# Cleanup Action Report

**View Ridge Plaza**

**220 Olympic Boulevard**

**Everett, Snohomish County, Washington**

**December 20, 2022**
Terracon Project No. 81207449

Cleanup Site ID: 12644
Facility Site ID: 20079
VCP Project ID: NW3244

**Prepared for:**
Catalyst Capital Holdings, LLC
Beverly Hills, California

**Prepared by:**
Terracon Consultants, Inc.
Mountlake Terrace, Washington

terracon.com

Terracon

Environmental ■ Facilities ■ Geotechnical ■ Materials

December 20, 2022

Attn: Mr. Steven Cody and Mr. Mike Cocco
Catalyst Capital Holdings, LLC
1554 North Beverly Drive
Beverly Hills, California 90210

and

Mr. Chris Maurer
Washington Department of Ecology
300 Desmond Drive
Olympia, Washington 98504

Re: **Cleanup Action Report**
View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington
Terracon Project No. 81207449
Cleanup Site ID: 12644
Facility Site ID: 20079
VCP Project ID: NW3244

Dear Mr. Cody, Mr. Cocco, and Mr. Maurer,

Terracon Consultants, Inc. (Terracon) is pleased to submit our Cleanup Action Report for the above referenced Site. This Cleanup Action Report documents the independent remedial action that was completed in accordance with the requirements of the Washington State Model Toxics Control Act and its implementing regulation Washington Administrative Code 173-340.

Based on the cleanup actions completed at the Site, Terracon respectfully requests Washington State Department of Ecology's review and opinion of this Cleanup Action Report. In pursuit of a No Further Action (NFA) designation, a Draft Environmental Covenant will be prepared for the Site and once finalized, it will be filed with the Snohomish County Recorder. However, Terracon respectfully requests that Ecology provide an initial draft of the Environmental Covenant for the Site.

The services described herein were performed in general accordance with our Proposal for Remedial Action Professional Services, dated October 2, 2020; our Supplemental Change Order, dated February 1, 2021; our Technical Memorandum, dated November 16, 2021; and our Revised Cleanup Action Plan Report (CAP), dated October 20, 2020, which was submitted to Ecology on October 20, 2020. In response to our October 2020 CAP, Ecology concurred with the proposed

cleanup and that the Site would likely receive an NFA upon completion of the proposed remedial actions outlined in their response e-mail, dated October 27, 2020.

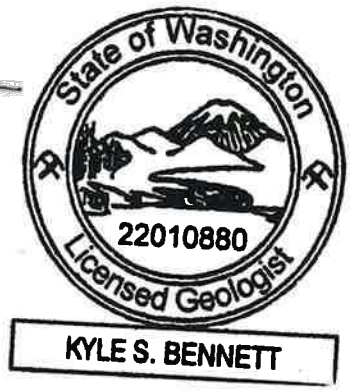
Terracon appreciates this opportunity to provide environmental services to Catalyst Capital Holdings, LLC. Should Ecology have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
**Terracon Consultants, Inc.**

Jeff Dobbins, L.G.
Staff Geologist

Matt Wheaton, L.G., P.E.
Senior Principal

Kyle Bennett, L.G.
Project Manager



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# Cleanup Action Report

**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Washington**

**Terracon Project No. 81207449**
**December 20, 2022**

## 1.0 INTRODUCTION

The View Ridge Plaza property is located at 220 Olympic Boulevard in Everett, Washington, and is comprised of one tax parcel encompassing approximately 1.89 acres of land (Snohomish County Parcel No. 00606200004102) formerly developed with the View Ridge Plaza building and associated paved parking, drive lanes, and landscaping. The former building was demolished in 2021 and the property has since been redeveloped with an approximate 29,000-square foot, slab on-grade, two-story medical facility building. A Site Location Map and a Site Diagram depicting pertinent site features are included as Exhibits 1 and 2 of Appendix A.

A site, as defined by the Washington State Model Toxics Control Act (MTCA), is the area where contamination has come to be located and can consist of a portion or all of one tax parcel or multiple tax parcels, including public right-of-ways (ROWs). With respect to this report, the site, as defined by MTCA, includes the portion of the Snohomish County Parcel No. 00606200004102 with documented chlorinated volatile organic compounds (cVOCs) impacts to soil and groundwater, herein referenced as the Site. As discussed further herein, cVOCs impacts have not been identified in the adjacent ROWs, and therefore ROWs are not included as part of the Site.

This Cleanup Action Report (CAR) summarizes the cleanup action activities completed from July 2020 to September 2022 under the supervision of Terracon Consultants, Inc. (Terracon). The CAR is intended to inform the Washington State Department of Ecology (Ecology) of recent soil, groundwater, indoor air, and soil vapor sampling results, and to seek concurrence that the completed cleanup action is sufficient. As discussed herein, an Environmental Covenant (Covenant) will be prepared and filed with the County Recorder as a part of the selected cleanup and in pursuit of a No Further Action (NFA) determination for the Site; however, Terracon respectfully requests that Ecology prepare the initial draft Covenant.

### 1.1 General Site Information

The Site is listed in Ecology's files as the following:

Site Name: View Ridge Plaza
Cleanup Site ID: 12644
Facility Site ID: 20079

VCP Project ID: NW3244

This CAR was prepared by Terracon at the request of our client, Catalyst Capital Holdings, LLC (Client). Site contact information is as follows:

| | |
|---|---|
| Property owner/<br>Property contact: | Catalyst Capital Holdings, LLC.<br>Mr. Steven Cody<br>Email: scody@catalystcap.com |
| Consultant:<br>Consultant contact: | Terracon Consultants, Inc.<br>Mr. Kyle Bennett, L.G.<br>21905 64th Avenue West, Suite 100<br>Mountlake Terrace, WA 98043<br>Phone: (425) 771-3304<br>Email: kyle.bennett@terracon.com |
| Terracon's client:<br>Terracon's client contact: | Catalyst Capital Holdings, LLC.<br>Mr. Steven Cody<br>1800 Avenue of the Stars, Suite 1475<br>Los Angeles, California 90067<br>Email: scody@catalystcap.com |

## 1.2 Background Information

The Site was first developed in 1959 and was occupied with various commercial retail businesses, including a drycleaner. The former drycleaner operated on the western portion of the Site in the southwest portion of the former View Ridge Plaza building. Various dry-cleaning operations have reportedly occupied the former drycleaner tenant space from the 1960s until February 2015, when the drycleaner ceased operations and vacated the building. Anecdotal information suggested a spill of tetrachloroethylene (PCE), commonly used as a dry-cleaning fluid, reportedly occurred at the drycleaner around 1978 and is the assumed PCE source. The former View Ridge Plaza building was demolished in 2021 and the Site has since been redeveloped with the existing medical facility building, which was completed in October 2022.

As detailed in Terracon's *Revised Remedial Investigation/Feasibility Study Report* (RIFS), dated October 31, 2019, and further discussed below, Terracon and other consultants conducted numerous subsurface soil and groundwater assessments at the Site between 2013 and 2022. Based on the investigations conducted at the Site, PCE-related impacts associated with the historical dry-cleaning operations have been identified in soil and groundwater in the immediate vicinity of the former drycleaner tenant space. Multiple chlorinated volatile organic compounds (cVOCs) were detected in the soil and groundwater at concentrations above the Washington State MTCA Method A and/or Method B Cleanup Levels (CULs); specifically, PCE and various PCE breakdown products, such as trichloroethene (TCE), cis-1,2-dicholorethene (cDCE), trans-1,2-

dicholorethene (tDCE), vinyl chloride (VC), and 1,1-dichloroethene (1,1-DCE) were identified as the Constituents of Concern (COCs). In general, PCE-related impacts have been identified within the immediate vicinity of the former drycleaner tenant space at depths ranging from approximately 0 to 22½ feet below the ground surface (bgs).

Based on historical investigations conducted by Terracon and others at the Site, the Site has been fully characterized with respect to the COCs-related impacts associated with the historical dry-cleaning operations, and the COCs and respective cleanup levels associated with the Site have been identified.

The selected MTCA CULs for soil and COCs are included below:

- PCE – Method A cleanup level: 0.05 milligrams per kilogram (mg/kg)
- TCE – Method A cleanup level: 0.03 mg/kg
- cDCE – Method B cleanup level: 160 mg/kg
- VC – Method B cleanup level: 0.67 mg/kg

The selected MTCA CULs for groundwater and COCs are included below:

- PCE – Method A cleanup level: 5 micrograms per liter (µg/l)
- TCE – Method A cleanup level: 5 µg/l
- cDCE – Method B cleanup level: 16 µg/l
- VC – Method A cleanup level: 0.2 µg/l

Ecology concurred with Terracon's RIFS in an email response dated November 15, 2019, a copy of which is provided in Appendix I.

Terracon prepared a *Draft Cleanup Action Plan* (CAP), dated March 18, 2020, that provided for the complete removal of impacted soils, backfill with a remedial amendment, and installation of injection wells for future in-situ treatment, as warranted. The Draft CAP was approved by Ecology with an email response dated June 11, 2020; however, due to the unanticipated high costs associated with the complete removal of impacted soil (due to shoring, dewatering, and costs associated with the disposal of soil impacted with high concentrations of the chlorinated solvents), the approved cleanup became disproportionately cost-prohibitive. Given the disproportionate cost compared to the overall project goal, and the logistical challenges associated with the selected remedial action, Terracon submitted a *Revised Cleanup Action Plan* to Ecology for review and comment on October 20, 2020. The Revised CAP included the following components:

- Focused source area remedial excavation and in-situ treatment of cVOC-impacted soil located within the unsaturated soil and vadose zone;
- Installation of a post-remedial excavation in-situ remedial system;
- Design and installation of a vapor intrusion mitigation system (VIMS);

- Preparation and implementation of an Environmental Covenant; and,
- Installation and long term (a minimum of five years) monitoring of on-Site groundwater monitoring wells.

On October 27, 2020, Terracon received an e-mail response from Ecology stating that Ecology concurred with the proposed revised cleanup and that the Site would likely receive an NFA upon completion of the proposed remedial actions. A copy of the Ecology's e-mail response is included in Appendix I. Since receipt of Ecology's response, the cleanup action activities completed at the Site under the supervision of Terracon include the following:

- Pre-remedial action groundwater sampling and soil assessment;
- In-situ treatment of cVOC-impacted soil;
- Remedial excavation of cVOC-impacted soil and confirmation soil sampling;
- Excavation backfill with remedial amendment and installation of horizontal remedial injection wells;
- Installation of replacement groundwater monitoring wells and four quarterly groundwater sampling events;
- Design and installation of a vapor intrusion mitigation system (VIMS); and
- Performance vapor monitoring that included indoor air and sub-slab soil gas sampling.

Terracon's CAP included installation of replacement groundwater monitoring wells and subsequent sampling; however, the well locations and construction details were dependent upon the efficacy of the cleanup as proposed in October 2020. Therefore, Terracon provided Ecology with a *Groundwater Monitoring Well Replacement Technical Memorandum* (Memo) in an effort to update Ecology regarding recent remedial actions completed at the Site and to seek concurrence from Ecology regarding the locations and well construction details of four replacement groundwater monitoring wells. Ecology concurred with the replacement well locations in an email response to Terracon, dated November 12, 2021. Copies of the Memo and Ecology's email response are included in Appendix I.

The following sections summarize the remedial action activities completed at the Site to date.

## 2.0 PRE-REMEDIAL ACTION GROUNDWATER SAMPLING

In an effort to further characterize the Site, Terracon completed pre-remedial action groundwater sampling prior to Site redevelopment and remedial excavation activities. In addition, Terracon conducted a limited aquifer assessment in an effort to further characterize the localized aquifer in the area of the planned remedial excavation and collect Site-specific aquifer parameters.

## 2.1 Groundwater Sampling

Prior to Site redevelopment and remedial excavation activities (discussed in Section 4.1), Terracon field representatives mobilized to the Site in July 2020 and April 2021 to collect groundwater samples from select monitoring wells. Specifically, a Terracon field representative mobilized to the Site on July 28, 2020, to collect groundwater samples from wells MW-1 through MW-6 and MW-8 through MW-10, and again on April 15, 2021, to collect groundwater samples from wells MW-1 and MW-2 prior to well decommissioning (described in Section 2.2). A Site Diagram depicting groundwater monitoring wells relative to pertinent Site features is included as Exhibit 2 of Appendix A.

Prior to sample collection, Terracon personnel opened all monitoring wells (MW-A through MW-C and MW-1 through MW-10) to expose them to surficial atmospheric conditions and measured static groundwater elevations from the well top of casing (TOC). Before use in each well, the water level probe was decontaminated using a non-phosphate soap wash and distilled water rinse.

Terracon personnel collected groundwater samples from select groundwater monitoring wells using a peristaltic pump and dedicated tubing. Water was not observed in well MW-7. Prior to sample collection, Terracon personnel purged the wells at a low flow rate of approximately 150 to 250 milliliters per minute (mL/min). During the purging process, groundwater quality parameters, including temperature, electrical conductivity (EC), pH, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP), were measured at regular intervals using a YSI water quality meter. Purging was considered complete when three consecutive readings for EC, pH, turbidity, DO, and ORP were observed within 10% of one another.

Terracon personnel collected one groundwater sample from each of the permanent monitoring wells using disposable tubing and a peristaltic pump maintaining the low flow rate. Sample tubing was placed within the screened interval of the well during sample collection.

The sample containers were labeled with the project number, date, time, and sample number and placed in a chilled cooler immediately after sampling. The sample containers were subsequently transported to ALS Environmental, a Washington state-certified laboratory, under standard chain-of-custody procedures for analysis of cVOCs by EPA Method 8260.

Terracon personnel compared reported groundwater concentrations with MTCA Method A CULs for unrestricted land use established under Chapter 70A.305 RCW and its implementing regulation, MTCA Chapter 173-340 WAC. Where a MTCA Method A CUL has not been established for a particular compound, the respective MTCA Method B CUL for cancer/non-cancer direct contact was used for comparison. Based upon our interpretation of quality control information provided by the laboratories, it is our opinion that the overall dataset is useable as qualified for the purposes of this report.

The laboratory analytical report and chain-of-custody record are attached in Appendix D.

### 2.1.1 Groundwater Analytical Results

During the July 2020 sampling event, the groundwater sample collected from groundwater monitoring well MW-1 was reported with a VC concentration of 0.25 µg/l, which is above the MTCA Method A CUL of 0.2 µg/l.

With the exception of the groundwater sample collected from monitoring well MW-1 during the July 2020 sampling event, groundwater samples collected during the July 2020 and April 2021 sampling events were not reported with concentrations of cVOCs above laboratory method reporting limits (MRLs) and/or MTCA CULs.

The analytical results from both sampling events are consistent with results from previous groundwater sampling events. The groundwater analytical results are summarized in Table 1 of Appendix B.

## 2.2 Well Decommissioning

A Terracon representative mobilized to the site on April 15, 2021, to decommission three groundwater monitoring wells (MW-1, MW-2, and MW-7) that could not be preserved during redevelopment activities. After collecting groundwater samples from the wells (described in Section 2.1), the Terracon representative decommissioned the wells in accordance with Chapter 173-160 *Standards for Decommissioning a Resource Protection Well*.

A Terracon representative mobilized to the site on November 24, 2021, to decommission monitoring well MW-9, which was damaged during redevelopment activities, in accordance with Chapter 173-160.

Monitoring well decommissioning reports are included in Appendix G.

# 3.0 PRE-REMEDIAL ACTION SOIL ASSESSMENT

Based on the previous environmental investigations completed at the Site, shallow soil and/or groundwater with elevated concentrations of cVOCs, specifically PCE, exceeding the Land Disposal Restrictions (LDRs) were localized to the immediate vicinity of the former drycleaner. In an effort to further characterize soils with elevated cVOCs concentrations for disposal purposes, to provide a more accurate volumetric estimate of those soils, and to refine the approximate remedial excavation limits around the former drycleaner and documented impacts, an additional 18 soil borings were advanced on-Site.

Prior to the remedial excavation activities, Terracon representatives mobilized to the Site on January 25 and April 15, 2021, to oversee the advancement of 18 soil borings, identified as TB1 through TB18. A Site Diagram depicting soil borings relative to pertinent Site features is included as Exhibit 2 of Appendix A.

The borings were advanced to depths ranging from 5 feet to 20 feet bgs by Holt Services, Inc., a Washington State-licensed driller, using a direct-push technology drill rig. Throughout the drilling operation, soil samples were obtained continuously (to the extent practical) from five-foot long pushes driven into the ground. The steel sampling tube was extracted from the hole and the liners were removed and split open. Non-disposable sampling equipment was cleaned using a non-phosphate soap wash and potable water rinse prior to the beginning of the project and before collecting each soil sample.

Terracon field-screened soil samples for organic vapors using a calibrated photoionization detector (PID). This device provides a direct reading in parts per million (ppm) isobutylene equivalents. Upon removal of the sampler from the borehole, Terracon placed a portion of each sample in a sealable plastic bag. After a stabilization period, Terracon screened the headspace above the soil using the PID.

A field log of each boring was maintained, including the thickness and depth of each soil unit encountered and the depth to the uppermost water table. Soil samples were observed to document soil lithology, color, and moisture content. The boring logs also include the field screening results for each soil boring. Soils were logged in general accordance with American Society for Testing and Materials (ASTM) Practice Designation D-2488, *Standard Practice for Description of Soils (Visual-Manual Procedure)*. Exploration logs are included in Appendix C.

Soil samples were extracted by hand using disposable gloves and placed directly into laboratory-supplied glassware. The borings and respective sample intervals requested for analysis are presented on Table 2 of Appendix B. Each sample container was labeled with the project number, date, time, boring number, and sample number. Sample containers were placed in a chilled cooler immediately after sampling, and subsequently transported to ALS Environmental under standard chain-of-custody procedures.

Select soil samples with the highest PID readings were analyzed for cVOCs by EPA Method 8260. Based upon our interpretation of quality control information provided by the laboratories, it is our opinion that the overall dataset is useable as qualified for the purposes of this report. The laboratory analytical report and chain-of-custody record are attached in Appendix D.

At the completion of field activities, the borings were decommissioned using bentonite chips and capped to approximately match the existing ground surface.

## 3.1 Soil Analytical Results

PCE, TCE, and VC were reported at concentrations above their respective CULs in soil samples collected from multiple borings (TB2, TB5, TB6, TB9, TB12 through TB15, TB17, and TB18) at depths ranging from the surface to 17 feet bgs. Soil samples with COCs above their respective CULs were reported with PCE concentrations ranging from 0.21 mg/kg to 130 mg/kg, TCE concentrations ranging from 0.032 mg/kg to 18 mg/kg, and VC concentrations ranging from 0.70 mg/kg to 3.9 mg/kg. The pre-remedial action soil analytical results are summarized in Table 2 of Appendix B and depicted on Exhibits 3 through 7 of Appendix A.

Based on the analytical results of the soil samples collected from TB1 through TB18 and the existing soil data, the areal extent of soil with elevated cVOCs concentrations exceeding waste disposal thresholds was characterized. In addition, the cVOC-impacted soil with concentrations exceeding MTCA Method A and/or B CULs, but complied with the LDRs and Contained-in Determination (CID) waste disposal criteria, were also characterized.

Analytical results of discrete soil sampling from numerous soil borings conducted during the remedial investigation and pre-remedial action soil profiling that adhered to the CID criteria were used to request a CID for the soil that was generated during the focused remedial excavation (described in Section 4.1) and disposed of as non-hazardous waste under Ecology's CID approval letter, dated June 1, 2021. Terracon's CID request and Ecology's approval letter are presented in Appendix F.

## 3.2 Nature and Extent of Impacts

Based on the results the soil assessment, prior subsurface investigations, and confirmation sampling during the remedial excavation (discussed in the following section), the migration and extent of cVOCs impacts has been characterized. Prior to site redevelopment, subsurface conditions consisted of approximately one to two feet of fill underlain by dense silt glacial deposits to maximum exploration depths. A water-bearing zone was observed at the interface of the fill and glacial deposits, with the latter acting as an aquitard. Based on the results of the limited aquifer assessment and observations during the excavation, recharge rates for the shallow aquifer were low and intermittent.

Groundwater migration at the Site was also influenced by backfill in existing utility trenches, which was less dense than the native glacial deposits and acted as pathways for groundwater. Specifically, an active sanitary sewer line was present at approximately 18 feet bgs below the western portion of the remedial excavation (described in the following section), and a subsurface culvert and manhole that redirected Dogwood Elm Creek was present southeast-adjacent to the remedial excavation.

The cVOCs impacts to groundwater and soil were limited to the general vicinity of the historical drycleaner due to the geologic and hydrologic conditions described above. Impacts to shallow groundwater migrated a short distance east along the top of the aquitard, but slow groundwater recharge rates led to impacts remaining in place on top of the aquitard and eventually infiltrating to greater depths. Backfill in trenches for the sewer line and the culvert appear to have provided additional pathways for groundwater impacts to migrate to greater depths.

# 4.0 REMEDIAL ACTION

This section summarizes the remedial action activities completed at the Site from May 2021 to July 2021.

## 4.1 Remedial Excavation Activities

The remedial excavation activities were conducted in accordance with Terracon's October 2020 CAP and Environmental Media Management Plan, dated February 16, 2021. The remedial excavation activities completed at the Site included:

- In-situ pre-treatment, focused remedial excavation, and off-Site disposal of cVOC-impacted soil exceeding waste disposal criteria and confirmation soil sampling.
- Remedial excavation and off-Site disposal of cVOC-impacted soil exceeding MTCA Method A and/or B CULs to the maximum extent practicable and confirmation soil sampling.
- Backfill the remedial excavation with the application of remedial amendment; and
- The installation of four horizontal remedial injection wells within the limits of the remedial excavation.

In an effort to predict groundwater infiltration rates into the excavation and to assess whether excavation dewatering would be required, Terracon conducted limited aquifer testing at the Site in July 2020. Based on the testing results, a low theoretical groundwater discharge rate of approximately 0.5 gallons per minute (gpm) into the excavation was calculated, and dewatering was not deemed necessary.

The following sections provide a summary of the completed remedial excavation activities.

### 4.1.1 Focused Remedial Excavation

Between May 18, 2021, and June 16, 2021, Terracon oversaw the completion of the remedial excavation of PCE-impacted soil within the vicinity of the former drycleaner tenant space as a part of the property redevelopment and remedial action. Prior to earthwork, Terracon estimated the remedial excavation limits to be approximately 70-feet wide by 80-feet long and extended to an

approximate depth of 15 feet bgs, with select areas extending deeper to 23 feet, which is depicted in Terracon's CID request included in Appendix F. Isolated and slow groundwater seeps were observed below the topsoil in the upper foot of the excavation and from the backfill around existing utility lines. Groundwater was not observed in other areas of the excavation. The limited groundwater seeps were consistent with low recharge rates calculated during the July 2020 limited aquifer assessment. The approximate location, details, and dimensions of the remedial excavation are depicted on Exhibits 2 and 3 of Appendix A, and remedial excavation cross-sections are included as Exhibits 4 through 7 of Appendix A.

Based on the findings of the Site characterization investigations conducted at the Site, the remedial excavation was completed in two phases, such that in-situ treatment and excavation of soil exceeding waste disposal thresholds was completed first, followed by the excavation of the remaining cVOC-impacted soil.

During the first excavation phase, soil with concentrations of cVOCs exceeding the waste disposal thresholds were treated prior to export and disposal. Specifically, prior to removal from the excavation, the soil was treated in-situ with approximately 8,800 lbs of Evoniks's Klozur SP and 4,500 lbs of hydrated NaOH solution in an effort to lower cVOC concentrations to meet landfill acceptance criteria. Following in-situ mixing, waste characterization soil samples were collected, and the treated soil was staged on plastic sheeting and covered with plastic sheeting. The analytical results of discrete soil sampling from the treated soil adhered to the CID criteria and were used to request a CID for the treated soil that was generated during the first phase of remedial excavation. Ecology issued a CID approval letter on June 20, 2021, and the treated soil was disposed of as non-hazardous waste. The CID request and Ecology's approval letter are presented in Appendix F.

During the second excavation phase, remaining soil with concentrations of cVOCs exceeding MTCA Method A and/or B CULs were removed to the maximum extent practicable. Following soil removal activities, confirmation soil samples were collected from the extents of the excavation, detailed below. As anticipated, cVOC-impacted soil in the western and southeastern portions of the excavation were left in-place due to access limitations and concerns that additional excavation would undermine active utilities, excavation slopes, sidewalks, and/or streets.

A total of approximately 2,650 tons of cVOC-impacted soil was excavated and transported for off-Site disposal at Roosevelt Regional Landfill, Washington. Waste disposal documentation is included as Appendix E.

### 4.1.2 Confirmation Soil Sampling

Following completion of the remedial excavation, confirmation soil samples were collected from the limits of the excavation. Terracon collected 32 confirmation soil samples total, with 28 of the samples remaining in-place from the base and sidewalls of the remedial excavation at depths

ranging from 5 feet bgs to 23 feet bgs. Excavation confirmation soil sample locations that were left in place are depicted on Exhibit 3 of Appendix A.

Terracon field-screened soil samples for organic vapors using a PID. Upon removal of the soil from the excavator bucket, Terracon placed a portion of each sample in a sealable plastic bag. After a stabilization period, Terracon screened the headspace above the soil using the PID. PID readings ranged from 3.9 ppm to 37.0 ppm in soils left in place collected from approximately 5 to 23 feet bgs of the excavation bottom and sidewall extents.

After soil screening was conducted, grab soil samples were collected from the excavator bucket. Samples were collected from the portions of soil that had not been disturbed or been in contact with the excavator bucket. Each sample container was labeled with the project number, date, time, and sample number. Sample containers were placed in a chilled cooler immediately after sampling, and subsequently transported to a Washington State-accredited laboratory, under standard chain-of-custody procedures. The soil samples were analyzed for cVOCs by EPA Method 8260.

#### 4.1.2.1 Soil Analytical Results

Six of the 28 in-place confirmation soil samples, identified as SW-N4, SW-W5, SW-W7, SW-W8, SW-E4, and BOT4, collected from soil left in place on the base and sidewalls of the remedial excavation contained PCE, TCE, and/or VC at concentrations exceeding their respective MTCA Method A or B CULs.

Of the impacted soil left in-place, five soil samples (SW-N4, SW-W5, SW-W7, SW-W8, and BOT4) were collected from 11 to 14 feet bgs on the west sidewall and at the bottom of the western portion of the final excavation, and one soil sample (SW-E4) was collected from approximately four feet bgs on the southeast sidewall. Impacted soil in the western portion of the excavation was not removed due to concerns that further excavating would undermine the structural integrity of the sidewall and adjacent sidewalk and road as well as the sanitary sewer at 18 feet bgs, and impacted soil on the southeast sidewall was not removed due to concerns that further excavating would undermine the manhole and the Dogwood Elm Creek Culvert. The confirmation soil sample analytical results are summarized in Table 2 of Appendix B and in Exhibits 3 through 7 of Appendix A.

### 4.1.3 Excavation Backfill Remedial Amendment Application

After confirmation soil sampling was completed, the excavation was backfilled with imported structural fill on June 18 and 21, 2021. The bottom five feet of backfill material was amended with approximately 10,000 lbs of Evonik's remedial amendment Daramend Reagent, using an excavator to blend and mix the remedial product. The remedial amendment was added to the

excavation backfill to provide for enhanced abiotic chemical reduction using zero valent iron (ZVI), coupled with anaerobic bioremediation to treat residual soil and groundwater impacts.

Throughout the backfilling process, a plate compactor attachment to an excavator was used to compact backfill in 12 to 18-inch lifts.

### 4.1.4 Installation of Horizontal Remedial Injection Wells

On June 22 and 23, 2021, after backfilling the excavation, four four-inch diameter, 40-foot-long slotted injection well pipes were installed in trenches dug in the backfill. The pipes were installed horizontally west to east extending 55 to 60 feet at 10 feet bgs, with approximately 10 feet of separation between pipes. The pipes were fitted with tee-couples at the middle of the pipes to a solid riser pipe and wrapped in filter fabric.

The four injection well solid riser pipes were completed with lockable plugs and surface flush monuments set within approximately two feet of concrete. The horizontal injection wells are depicted relative to Site features on Exhibit 3 of Appendix A.

## 4.2 Post-Excavation Soil Assessment

As anticipated, two areas of residual cVOC-impacted soil were left in-place along the western and southeastern portions of the excavation due to access limitations such as utilities, undermining of utilities, slope stability and/or sidewalks and streets. Specifically, the excavation was limited in the western portion of the excavation bottom to avoid undermining the west sidewall, adjacent sidewalk and road, and an active sanitary sewer line present at approximately 18 feet bgs. Excavation was limited in the southeast sidewall to avoid undermining a manhole vault and the Dogwood Elm Creek Culvert. The areas with impacts left in place are presented in Exhibits 3 through 7 of Appendix A.

Following the remedial excavation and backfilling activities, a Terracon field representative returned to the Site on July 1, 2021, to oversee the advancement of soil borings for further characterizing the extent of the soil impacts left in place. Ten soil borings, identified as TB19 through TB28, were advanced, and soil samples were collected in the vicinity of impacts where previously documented. Specifically, soil borings TB19 through TB24 and TB28 were advanced to bracket soil impacts in the western portion of the excavation (documented by confirmation samples SW-N4, SW-W5, SW-W7, SW-W8, and BOT4); and soil borings TB25 through TB27 were advanced to bracket soil impacts in the southeastern portion of the excavation (documented by confirmation sample SW-E4). Boring locations are presented on Exhibits 2 and 3 of Appendix A.

The borings were advanced to a maximum depth of 20 feet bgs, and soil samples were collected from beneath the backfill at depths ranging from 5 to 18 feet bgs. Drilling operations and sampling

procedures were completed using the same methodologies described in Section 3.0. The borings and respective sample intervals requested for analysis are presented on Table 2 of Appendix B. Exploration logs are included in Appendix C.

### 4.2.1 Soil Analytical Results

Concentrations of cVOCs were not detected above laboratory MRLs in the soil samples collected from soil borings TB19 through TB28. The soil analytical results are summarized in Table 2 of Appendix B and Exhibits 3 through 7 of Appendix A. The laboratory analytical report and chain-of-custody record are included as Appendix D.

## 4.3 Remedial Action Summary

Based on the analytical results of the soil samples collected from borings TB19 through B28, remedial excavation confirmation soil samples, and pre-remedial action soil data, the spatial extent of soil with COCs concentrations exceeding MTCA Method A CULs has been fully characterized. During cleanup activities, approximately 2,650 tons of impacted soil were excavated and exported for disposal.

Due to concerns about undermining the structural integrity of surrounding infrastructure, impacted soil was left in place in the western and southeastern portions of the excavation. In the western excavation, soils with impacts above CULs left in place had exceedances of PCE (ranging from 0.051 mg/kg to 160 mg/kg), TCE (0.044 mg/kg to 6.7 mg/kg), and VC (0.79 mg/kg and 3.9 mg/kg). Approximately 14 cubic yards of impacted soil were left in place in the western sidewall and excavation bottom (at depths of 11 to 17 feet under the existing site surface) to avoid undermining the structural integrity of the sewer line below the western portion of the excavation as well as the sidewall and adjacent sidewalk and ROW.

In the southeastern portion of the excavation, soils with impacts above CULs left in place had exceedances of PCE (0.19 mg/kg) and TCE (0.058 mg/kg). Approximately four cubic yards of impacted soil was left in place in the southeastern sidewall of the excavation (at depths of four to seven feet below the existing site surface) to avoid undermining the Dogwood Elm Creek culvert and manhole vault.

Soils with impacts left in place have been well constrained and are not present in the ROW sidewalk or road west of the Site. The approximate limits of the remedial excavation and locations of residual soil impacts exceeding MTCA CULs levels are presented in Exhibits 2 and 3 of Appendix A.

# 5.0 REPLACEMENT GROUNDWATER MONITORING WELLS AND QUARTERLY SAMPLING

Following the remedial excavation, Terracon personnel oversaw the installation of replacement groundwater monitoring wells at the Site in order to conduct quarterly groundwater monitoring as part of an effort to document the effectiveness of the remedial action and evaluate post-excavation groundwater quality. Specifically, Terracon personnel oversaw the installation of four groundwater monitoring wells within and in the vicinity of the excavation to further characterize in-place soils, groundwater flow direction, and obtain representative groundwater samples. The well installation and sampling activities were conducted in accordance with Terracon's 2020 CAP report and Technical Memo, dated November 16, 2021. Monitoring well locations relative to Site features are depicted on Exhibits 2 and 3 of Appendix A.

The following sections describe the groundwater sampling procedures and analytical results of the groundwater monitoring which occurred from September 2020 to October 2021.

## 5.1 Groundwater Monitoring Well Installation and Soil Sampling

A Terracon field representative mobilized to the Site on November 24, 2021, to oversee the drilling of four soil borings completed as permanent groundwater monitoring wells, identified as MW-11 through MW-14. Wells MW-11 and MW-12 replaced earlier wells (MW-1 and MW-2, respectively) northwest and southwest of the excavation that needed to be decommissioned due to property redevelopment activities. Well MW-13 was installed within the excavation in the vicinity of soil impacts left in place in the excavation bottom. Well MW-14 was installed southeast of the excavation in the vicinity of soil impacts left in place next to the manhole vault and the Dogwood Elm Creek Culvert.

The borings were advanced by Holt using a truck-mounted direct-push drill rig to depths ranging from 17½ to 20 feet bgs. Drilling operations, soil screening, field logging, soil sampling, and QA/QC review of analytical results were conducted using the methodology described in Section 3.0. PID readings of 226.4 ppm and 7.4 ppm were detected in soil samples collected from boring MW-13 at 12 and 16 feet bgs, respectively. PID readings were not detected above 0.0 ppm in soil samples collected from the remaining borings. Other field indications of impacts were not observed in soil samples collected from the borings. Soil samples were collected from beneath the backfill at depths ranging from 5 to 16 feet bgs. Samples were placed in a chilled cooler immediately after sampling, and subsequently transported to ALS Environmental for analysis of cVOCs by EPA Method 8260 under standard chain-of-custody procedures.

Soil borings MW-11 through MW-14 were converted to permanent groundwater monitoring wells. The groundwater monitoring wells were constructed with the following materials:

- Ten feet of 2-inch diameter, 0.010-inch machine slotted poly-vinyl chloride (PVC) well screen with a pre-sieved 10/20 grade silica sand prepack and a threaded bottom cap;
- A 2-inch diameter, threaded, flush-joint PVC riser pipe to surface;
- Hydrated bentonite chips and concrete above the well screen; and
- A lockable plug secured with a ground surface flush monument plate.

Due to ongoing property redevelopment activities and uncertainty about final grade elevations, approximately two to three feet of PVC riser pipe for each well was left sticking above the ground surface during well installation. Between July and September 2022, the Site was completed to final grade, the well stickups were cut to below surface grade, and the wells were completed with flush monuments.

A Terracon representative returned to the Site on November 30, 2021, to develop the wells by surging with a decontaminated electric down-hole submersible pump in an effort to remove turbid groundwater. Approximately two gallons of development water were removed from each of wells MW-11 and MW-14, and approximately five gallons of water were removed from each of wells MW-12 and MW-13.

In October 2022, after the well stickups were cut to below final surface grade, Alpha Subdivision Pro's Inc., a professional survey company, surveyed the well TOC elevations and coordinates of the four injection wells and the replacement groundwater monitoring wells in order to establish the groundwater gradient (described in Section 5.2.1). The TOC elevations were not surveyed prior to cutting the well stickups between July and September 2022.

### 5.1.1 Soil Analytical Results

cVOCs were not reported above laboratory MRLs and/or MTCA Method A cleanup levels in the soil samples collected and analyzed from borings MW-11 through MW-14. The soil analytical results are summarized in Table 2 of Appendix B. Exploration logs are included in Appendix C. The laboratory analytical report and chain-of-custody record are attached in Appendix D.

## 5.2 Quarterly Groundwater Monitoring and Sampling

Following installation of groundwater monitoring wells MW-11 through MW-14, Terracon conducted four quarterly groundwater monitoring events on December 3, 2021, and March 22, June 22, and September 20, 2022.

In December 2021, groundwater samples were collected from ten wells (MW-3 through MW-6, MW-8, and MW-10 through MW-14). In March, June, and September 2022, groundwater samples were collected from eight wells (MW-4 through MW-6 and MW-10 through MW-14). Samples were not collected from wells MW-3 and MW-8 during the final three monitoring events because samples collected from wells MW-12 and MW-14, which were installed closer to the remedial

excavation, were sufficient to delineate groundwater impacts. During the June 2022 sampling event, well MW-14 could not be sampled due to damages from property redevelopment activities. Following well repairs, Terracon returned to the Site on July 12, 2022, to sample MW-14.

For each sampling event, prior to sample collection, Terracon personnel measured static groundwater elevations from each well TOC. Groundwater monitoring and sampling procedures were completed using the same methodologies described in Section 2.0.

### 5.2.1 Hydrogeology

The replacement well TOC elevations were not surveyed prior to cutting the well stickups, which were left unfinished due to ongoing property redevelopment activities and uncertainty about final grade elevations, between July and September 2022. Therefore, groundwater gradients could not be established for the three sampling events conducted prior to September 2022.

During the September 2022 sampling event, static groundwater elevations were measured in eight wells (MW-4 through MW-6, and MW-10 through MW-14) prior to sample collection. Measured depth to water in the wells ranged from 3.61 feet below TOC at groundwater monitoring well MW-4 to 11.20 feet below TOC at groundwater monitoring well MW-6.

Based on depth to water measurements and well survey data, the groundwater elevations at the monitoring wells ranged from 297.05 feet above mean sea level (AMSL) at monitoring well MW-4 to 291.32 feet AMSL at monitoring well MW-6. Groundwater flow direction in the northwestern portion of the Site is generally to the east and southeast towards the Dogwood Elm Creek Culvert, which is consistent with observations made prior to cleanup activities at the Site. It should be noted that the groundwater gradient was altered immediately following the 2021 remedial excavation until reaching equilibrium. Groundwater elevation data is presented in Table 1 of Appendix B, and the September 2022 groundwater contour and flow map is presented as Exhibit 9 in Appendix A.

### 5.2.2 Groundwater Analytical Results

Groundwater samples were analyzed for cVOCs by EPA Method 8260. Groundwater samples collected from monitoring wells MW-11 and MW-13 were analyzed for a select geochemical suite. The well identification and samples requested for analysis are presented on Table 1 of Appendix B.

Terracon personnel compared reported groundwater concentrations with MTCA Method A CULs for unrestricted land use, as applicable, established under Chapter 70A.305 RCW and its implementing regulation, MTCA Chapter 173-340 WAC. Where a MTCA Method A CUL has not been established for a particular compound, the respective MTCA Method B CUL for cancer/non-cancer direct contact was used for comparison. Based upon our interpretation of quality control

information provided by the laboratories, it is our opinion that the overall dataset is useable as qualified for the purposes of this report.

The groundwater analytical results are summarized in Table 1 of Appendix B and Exhibit 8 of Appendix A. The laboratory analytical report and chain-of-custody record are attached in Appendix D.

#### 5.2.2.1 December 2021 Analytical Results

Vinyl Chloride and cDCE were detected in the groundwater sample collected from monitoring well MW-13 at concentrations of 16 µg/l and 73 µg/l, respectively, which exceeds their respective MTCA Method A CULs. Concentrations of other cVOCs were not detected above laboratory MRLs in the sample collected from MW-13.

Concentrations of cVOCs were not detected above laboratory MRLs in the remaining groundwater samples collected from the Site.

#### 5.2.2.2 March 2022 Analytical Results

Vinyl Chloride was detected in the groundwater sample collected from monitoring well MW-13 at a concentration of 2.9 µg/l, which exceeds the MTCA Method A CUL. Concentrations of other cVOCs were not detected above laboratory MRLs and/or MTCA CULs in the sample collected from MW-13.

Concentrations of cVOCs were not detected above laboratory MRLs in the remaining groundwater samples collected from the Site.

#### 5.2.2.3 June 2022 Analytical Results

Vinyl Chloride was detected in the groundwater sample collected from monitoring well MW-13 at a concentration of 4.2 µg/l, which exceeds the MTCA Method A CUL. Concentrations of other cVOCs were not detected above laboratory MRLs and/or MTCA CULs in the sample collected from MW-13.

Concentrations of cVOCs were not detected above laboratory MRLs in the remaining groundwater samples collected from the Site.

#### 5.2.2.4 September 2022 Analytical Results

Vinyl Chloride was detected in the groundwater sample collected from monitoring well MW-13 at a concentration of 2.7 µg/l, which exceeds the MTCA Method A CUL. Concentrations of other

cVOCs were not detected above laboratory MRLs and/or MTCA CULs in the sample collected from MW-13.

Concentrations of cVOCs were not detected above laboratory MRLs in the remaining groundwater samples collected from the Site.

### 5.3 Groundwater Summary

During groundwater sampling events conducted after remedial actions at the Site, COCs were detected in only one well (MW-13), which was installed within the excavation near soil impacts left in place. For the three most recent quarterly sampling events, VC has been reported above the MTCA Method A CUL, cDCE has been reported below the MTCA Method A CUL, and PCE and TCE have not been detected above laboratory MRLs. VC was reported above the MTCA Method A CUL during each of the four quarterly groundwater monitoring events; however, VC concentrations have been decreasing since the first sampling event in December 2021. cDCE concentrations have also been decreasing since a detection above the MTCA Method A CUL during the December 2021 sampling event to below the CUL during the following three monitoring events.

Groundwater samples collected from the remaining seven wells, which were located in the proximity of the excavation (MW4 through MW6, MW10 through MW12, and MW14), did not have COCs at concentrations above laboratory MRLs during the four quarterly sampling events.

Due to the remedial excavation of impacted soil, interaction of groundwater with the remedial amendment, and observed decreases in groundwater impacts, it can be inferred that VC concentrations in the middle of the excavation will continue to decrease to below MTCA Method A CULs. However, an Environmental Covenant (described in Section 7.0) will be implemented to restrict direct contact with groundwater and provide for periodic monitoring to confirm that impacts are either stable or shrinking.

## 6.0 VIMS AND PERFORMANCE VAPOR MONITORING

A vapor intrusion mitigation system (VIMS) was incorporated into the new site building's design to prevent potential contaminant vapors from migrating into the building. In accordance with Terracon's October 2020 CAP, performance vapor monitoring was completed at the Site in an effort to assess the efficacy of the VIMS. The following sections summarize the VIMS and the indoor air and soil gas monitoring activities conducted at the Site.

### 6.1 Vapor Intrusion Mitigation System

As a part of the planned redevelopment of the Site and in accordance with Terracon's 2020 CAP report, a Vapor Intrusion Mitigation System (VIMS) was incorporated into the new Site building's

design and extends beneath the entirety of the new site structure. In general, the VIMS consists of a permeable aggregate layer, a vapor collection and vent piping network, a 60-mil asphaltic membrane spray applied sub-slab vapor intrusion barrier system (Geo-Seal 100), and associated vent risers and passive ventilator roof turbines. The VIMS is sufficient at eliminating the vapor intrusion pathways by preventing contaminant vapors from migrating through the slab and into the building. A copy of the VIMS design is included in Appendix H.

At the issuance of this report, the VIMS installation has been completed for the new site structure. Terracon field representatives performed routine inspections throughout construction of the system to document construction of the VIMS to verify that the system was constructed as designed. In accordance with the manufacturer's system warranty requirements, field observations and documentation have been conducted by manufacturer-trained personnel. Terracon prepared summary memoranda for the VIMS under- and above-slab assemblies, which are included in Appendix H.

## 6.2 Indoor Air Sampling

Terracon personnel mobilized to the Site on August 18, 2022, to complete indoor air and background air sampling activities.

Terracon deployed two 8-hour Summa® canisters for indoor air samples, identified as IA-1 and IA-2, and one 8-hour Summa® canister for the background air sample, identified as BA-1. Specifically, sample IA-1 was located in Hall 8 in the northeastern portion of the building on the ground floor, sample IA-2 was located in the storage area in the southwestern portion of the building on the ground floor, and background sample BA-1 collected from a rooftop location near a fresh air intake for the building. The indoor air sample canister intakes were set at breathing height, approximately 5 feet above ground surface. Sample locations relative to Site features are depicted on Exhibits 10 and 11 of Appendix A.

The six-liter Summa® canisters were pre-tested and batch certified as free of COCs by the analytical laboratory. The canisters were equipped with laboratory-supplied 8-hour flow regulators allowing for sample collection at a low flowrate over the 8-hour period. An "in line" vacuum gauge was installed at the sample controller to verify initial vacuum levels within the canister and as an indicator of the final vacuum level at the end of the sampling period.

After the approximate 8-hour collection period, the Summa® canisters were closed (with at least six inches of mercury remaining within each canister), secured, and appropriately labeled with pertinent sample information. Canister pressures were recorded upon initiating sample collection, after sample collection, and after receipt at the laboratory. All air samples were labeled accordingly and submitted under standard chain-of-custody procedures to a Washington-certified laboratory. The air samples requested for analysis are presented on Table 3 of Appendix B.

## 6.3 Soil Gas Sampling

Following the indoor air sampling, soil gas was sampled from two of the soil-gas vapor monitoring points (VMP), which were installed during the construction of the building in the aggregate soils below the floor slab and VMS membrane. Vapor monitoring points VMP1 through VMP3 were installed inside the wall cavity of the building at each vent riser location and finished with lockable enclosures. The VMPs were accessed via panels that conceal and protect the locations of the ball valves with barbed hose fittings where the sampling equipment is connected. The VMP sample locations relative to Property features are presented in Exhibit 10 of Appendix A.

Two sub-slab soil gas samples were collected from the VMPs. Specifically, sample VMP-1 was collected from VMP1 in the northeastern portion of the building, and sample VMP-3 was collected from VMP3 located in the southwestern portion of the building, above the remedial excavation in the immediate vicinity of residual soil impacts.

Prior to the start of an equilibration period, approximately three air volumes were purged from the sampling tubing connected to the vacuum monitoring probe. Once three volumes were purged, the inline quick-connect valve was closed to begin the equilibration process. The completely assembled sampling train was leak tested by using the low flow purge pump [~250 milliliter per minute (mL/min)] to generate a vacuum on the system, then allowing the sealed sampling train to sit with an approximate 10 inches of mercury (in Hg) negative pressure vacuum during the 30-minute shut-in test period. Once the sampling train had been confirmed to be leak-free based on the vacuum test, and the one-hour equilibration time had passed, each soil gas sample was collected.

The one-liter Summa® canisters used for this assessment were pre-tested and batch-certified as free of COCs by the analytical laboratory. All canisters were equipped with laboratory-supplied flow regulators allowing for sample collection at a low-flow rate (i.e., <250 mL/min). The flow regulator valve was opened to begin sub-slab soil vapor collection which occurred over approximately five to ten minutes. Once the flow regulator indicated that respective Summa® canisters were nearly full (where pressure remaining equaled approximately 6mm Hg), the valve was closed, and the sampling assembly was then dismantled.

Upon completion of sample collection, the Summa canisters were closed with at least six in Hg remaining within the Summa canister, secured, and appropriately labeled with pertinent sample information. Canister pressures were recorded upon initiating sample collection, after sample collection, and after receipt at the laboratory. All soil gas samples were labeled accordingly and submitted to a Washington acredited laboratory under standard chain-of-custody procedures for chemical analysis. The soil gas samples requested for analysis are presented on Table 4 of Appendix B.

### 6.4 Analytical Results

Soil gas and indoor air samples were analyzed for cVOCs by EPA Method TO-15.

Reported concentrations were compared with the Ecology guidance document *March 2022 Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action*; and the *July 2021 updated CLARC screening levels.*

Data packages were checked for completeness immediately upon receipt from the laboratory to ensure that data and QA/QC information requested were present. Data quality was assessed by considering holding times, surrogate recovery, method blanks, matrix spike and matrix spike duplicate recovery, and detection limits. Based upon our interpretation of quality control information provided by the laboratories, it is our opinion that the overall dataset is useable as qualified for the purposes of this report.

The laboratory analytical report and chain-of-custody record are attached in Appendix D. The following sections describe the results of the testing.

#### 6.4.1 Indoor Air and Background Air Analytical Results

Concentrations of cVOCs were not reported above laboratory MRLs in the two indoor air samples and the background air sample collected from the Site.

Indoor air analytical results are summarized in Table 3 of Appendix B.

#### 6.4.2 Soil Gas Analytical Results

Concentrations of cVOCs were not reported above laboratory MRLs and/or MTCA Method B Screening Levels in the two soil gas samples collected from the Site.

Soil gas analytical results are summarized in Table 4 of Appendix B.

## 7.0 ENVIRONMENTAL COVENANT

For the selected cleanup action, given the presence of approximately 18 cubic yards of residual soil impacted with cVOCs (at depths of four to seven feet bgs and 11 feet to 17 feet bgs) and cVOC-impacted groundwater at well MW-13, a Covenant is required to be implemented for the residual cVOC-impacted soil and groundwater left in-place beneath the asphalt and concrete surfacing. The Covenant would include the entire area of the 2021 remedial excavation and the area in its immediate vicinity of the site, which is defined as the Restricted Area. Since impacts have never been identified in the City of Everett ROW, portions of the ROW are not included in the Restricted Area.

The purpose of the Covenant is to impose certain obligations on the activities and uses of the Site to protect human health and the environment and the integrity of remedial actions conducted at the Property. The Covenant for the Site will remain in force until concentrations of COCs decrease to levels less than the applicable MTCA Method A CULs.

The Covenant meets the requirements of the Washington Administrative Code (WAC) §173-340-440(8), (9), and (10), Chapter 64.70 of the Revised Code of Washington (Uniform Environmental Covenants Act), and the Toxics Cleanup Program's Procedure 440A (Establishing Environmental Covenants under the Model Toxics Control Act).

The Covenant institutional controls for the Site include the containment of residual impacted soils and groundwater beneath the asphaltic and concrete cap of the Restricted area, the inspections and maintenance of the cap, and long-term compliance groundwater monitoring to ensure the long-term effectiveness of the remedial action to protect human health and the environment. The existing asphalt and concrete surfacing of the Restricted Area are a physical barrier defined as the engineering control. The engineering controls have been incorporated to control exposure from remaining contamination during the use of the Site. The Covenant states that any activity on the Restricted Area of the Site that will compromise the integrity of the existing engineering controls (asphalt and concrete cap) as part of the existing development including, but not limited to: drilling; digging; piercing the cap with a sampling device, post, stake, or similar device; grading; excavation; installation of underground utilities; removal of the cap; and application of loads in excess of the cap load-bearing capacity is prohibited without prior written approval by Ecology.

Inspections and maintenance of the cap will be conducted as a part of the Covenant, using an Ecology-approved inspection checklist. Intrusive activities in the Restricted Area that involve worker contact with contaminated soil shall be conducted by individuals that have the appropriate training and certifications for working on hazardous waste sites and in conformance with a site-specific health and safety plan. The landowner shall report to Ecology the discovery of any damage to the cap. Unless an alternative plan has been approved by Ecology in writing, the landowner shall promptly repair the damage in accordance with the requirements of the Covenant and submit a report documenting the work to Ecology.

Long-term groundwater monitoring will also be conducted as a part of the Covenant. In general, groundwater monitoring wells MW-4 through MW-6, and MW-10 through MW-14 will be sampled during each event. Upon completion of each groundwater monitoring event, a report will be prepared and submitted to Ecology during the five-year periodic review. A monitoring and contingency plan will be prepared as a part of the Covenant and will detail the proposed long-term groundwater monitoring.

Terracon respectfully requests that Ecology prepares the initial draft Covenant for our review in pursuit of an NFA determination for the Site under MTCA. Following agreement between the two

parties and receipt of concurrence from Ecology regarding the Covenant, the Covenant will be filed with the Snohomish County Recorder and implemented at the Site, at that time Terracon will request an NFA determination for the Site.

# 8.0 SUMMARY AND CONCLUSIONS

In accordance with Terracon's October 2020 CAP, between July 2020 and October 2022, Terracon completed and oversaw the following cleanup action activities at the Site:

- Pre-remedial action groundwater sampling and soil assessment;
- In-situ treatment of cVOC-impacted soil;
- Remedial excavation of cVOC-impacted soil and confirmation soil sampling;
- Excavation backfill with remedial amendment and installation of horizontal remedial injection wells;
- Post-excavation soil assessment;
- Installation of replacement groundwater monitoring wells and four quarterly groundwater sampling events;
- Design and installation of a VIMS; and
- Performance vapor monitoring of indoor air and sub-slab soil gas.

Based on the results of the remedial actions and subsequent performance monitoring completed at the Site, soil, groundwater, and soil gas impacted with COCs have been remediated to concentrations below their respective MTCA CULs, with the exception of two localized areas with residual soil and groundwater impacts.

During cleanup activities, approximately 2,650 tons of impacted soil were excavated and exported for disposal. Approximately 14 cubic yards of impacted soil were left in place in the western sidewall and excavation bottom (at depths of 11 to 17 feet under the existing site surface) to avoid undermining the sewer line at 18 feet bgs as well as the sidewall and adjacent sidewalk and ROW. Approximately four cubic yards of impacted soil was left in place in the southeastern sidewall of the excavation (at depths of four to seven feet below the existing site surface) to avoid undermining the Dogwood Elm Creek culvert and manhole vault. Soils with impacts left in place have been well constrained and are not present in the ROW sidewalk or Elm Street west of the Site.

During groundwater sampling events conducted after remedial actions at the Site, COCs were detected in only one well, which was installed within the excavation near soil impacts left in place. Only VC has been reported above the MTCA Method A CUL during the three most recent quarterly sampling events, and VC concentrations have been decreasing since the first sampling event after remedial actions. Groundwater samples collected from the remaining wells did not have COCs above the laboratory MRLs. Due to the remedial excavation of impacted soil, interaction of groundwater with the remedial amendment, and observed decreases in

groundwater impacts, it can be inferred that VC concentrations in the middle of the excavation will continue to decrease to below MTCA Method A CULs.

Following installation of the VIMS and construction of the new on-Site building, the indoor air and soil gas samples collected did not contain cVOCs at concentrations above laboratory MRLs and/or MTCA Method B CULs and screening levels. Based on the indoor air and sub-slab soil gas analytical results, the remedial action activities completed at the Site have successfully eliminated the vapor intrusion pathway. Furthermore, the building was constructed with a complete VIMS that is sufficient at eliminating the vapor intrusion pathways by preventing contaminant vapors, if present, from migrating through the slab and into the building. Therefore, it is Terracon's opinion that the soil gas to indoor air pathway is incomplete and will likely remain incomplete for the life of the building, and that further soil gas and indoor air monitoring are not warranted.

Based on the results of the remedial actions completed at the Site, Terracon respectfully requests concurrence that the completed cleanup action is sufficient and that an NFA determination be approved for the Site following the implementation of an Environmental Covenant for residual soil and groundwater, discussed further in Section 7.0.

# 9.0 LIMITATIONS

## 9.1 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and were not restricted by ASTM E1903-11 *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*.

## 9.2 Additional Scope Limitations

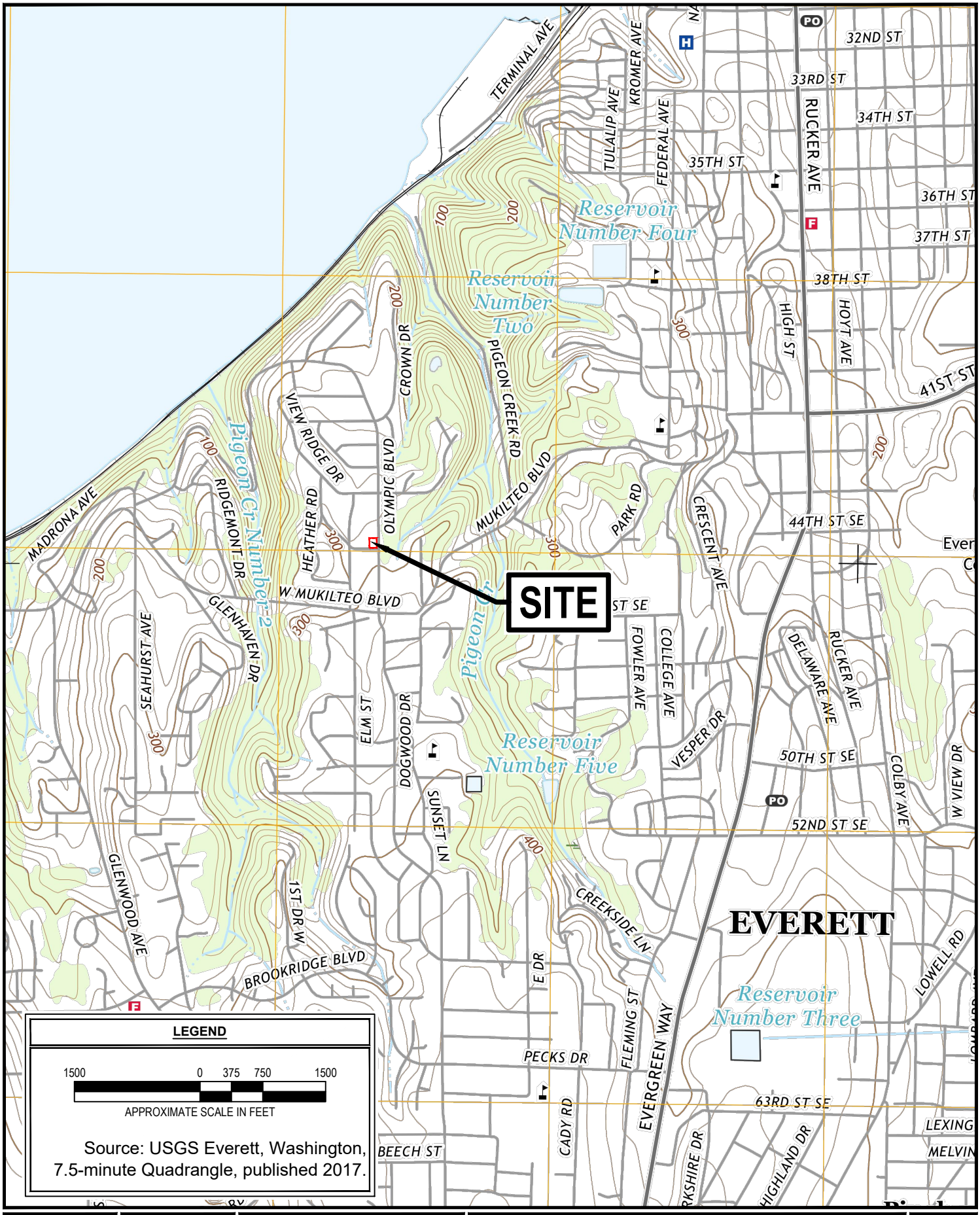
Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this report. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments,

investigations, or exploratory services. The interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

## 9.3 Reliance

This report has been prepared for the exclusive use of Catalyst Capital Holdings, LLC and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Catalyst Capital Holdings, LLC and Terracon. Any unauthorized distribution or reuse is at Catalyst Capital Holdings, LLC's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report, and Terracon's Agreement for Services. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Catalyst Capital Holdings, LLC and all relying parties unless otherwise agreed in writing.

# APPENDIX A – EXHIBITS




| | | | |
|---|---|---|---|
| Project Mngr: KSB | Project No. 81207449 | Terracon Consulting Engineers and Scientists | **SITE LOCATION MAP** |
| Drawn By: AMP | Scale: AS SHOWN | 21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043 | VIEW RIDGE PLAZA |
| Checked By: KSB | File No. EXHIBIT 1 | PH. (425) 771-3304 FAX. (425) 771-3549 | 220 OLYMPIC BOULEVARD |
| Approved By: MYW | Date: July 2019 | | EVERETT, SNOHOMISH COUNTY, WASHINGTON |

EXHIBIT 1

N

HOSPITAL BUILDING

76 GAS STATION

FUELING CANOPY

ELM STREET

OLYMPIC BOULEVARD

W MUKILTEO BOULEVARD

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 MW-11 MW-12 MW-13 MW-14 MW-A MW-B MW-C

B-1 B-2 B-3 B-4

DP-1 DP-2 DP-3

SB-1 SB-2 SB-3 SB-4 SB-5 SB-6 SB-7 SB-8

TB1 TB2 TB3 TB4 TB5 TB6 TB7 TB8 TB9 TB10 TB11 TB12 TB13 TB14 TB15 TB16 TB17 TB18 TB19 TB20 TB21 TB22 TB23 TB24 TB25 TB26 TB27 TB28

HA-1 HA-2 HA-3

**LEGEND:**

- APPROXIMATE SITE BOUNDARY
- CURRENT BUILDINGS
- APPROXIMATE LIMITS OF REMEDIAL EXCAVATION
- **MW-11** APPROXIMATE LOCATION AND NUMBER OF MONITORING WELL
- MW-2 APPROXIMATE LOCATION AND NUMBER OF DECOMMISSIONED MONITORING WELL
- **DP-1 SB-1 TB1** TERRACON BORING NUMBER AND APPROXIMATE LOCATION
- **SB-1** EPI BORING NUMBER AND APPROXIMATE LOCATION
- **HA-1** EPI HAND-AUGERED BORING NUMBER AND APPROXIMATE LOCATION
- **B-1** STRATUM GROUP BORING NUMBER AND APPROXIMATE LOCATION

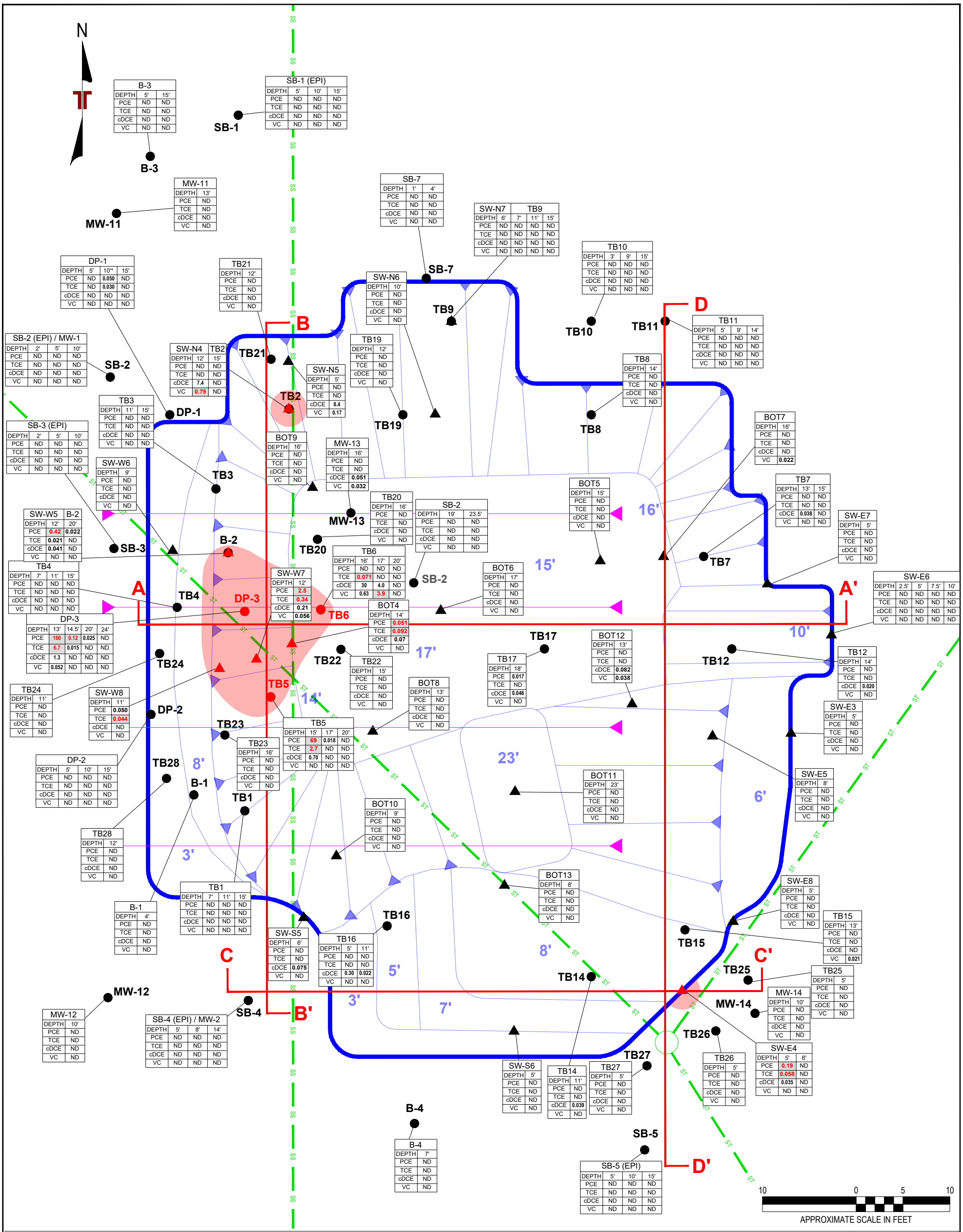
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|---|---|
| Project Mngr: | KSB |
| Drawn By: | JWD |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | AS SHOWN |
| File No. | EXHIBIT 2 |
| Date: | September 2021 |

Terracon
Consulting Engineers and Scientists
21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

# SITE DIAGRAM

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 2




## LEGEND

- APPROXIMATE LIMITS OF REMEDIAL EXCAVATION AND DEPTH IN FEET BGS
- SANITARY SEWER UTILITY LINE (APPROXIMATELY 18 TO 19 FEET BGS)
- STORM SEWER UTILITY LINE
- REMEDIAL INJECTION WELL
- CROSS-SECTION LINE (A – A')
- APPROXIMATE LOCATION OF SOIL IMPACTS ABOVE MTCA CLEANUP LEVELS LEFT IN PLACE
- APPROXIMATELY LOCATION OF SOIL CONFIRMATION SAMPLE (SHADED RED WHERE VALUES DETECTED ABOVE MTCA CLEANUP LEVELS)
- APPROXIMATE LOCATION OF SOIL BORING (SHADED RED WHERE VALUES DETECTED ABOVE MTCA CLEANUP LEVELS)

| SAMPLE NUMBER | SB-2 |
|---|---|
| DEPTH IN FEET | 1' |
| TETRACHLOROETHENE | 0.05 |
| TRICHLOROETHENE | 0.03 |
| CIS-1,2-DICHLOROETHENE | 160 |
| VINYL CHLORIDE | 0.67 |

ALL CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg).

VALUES DETECTED ARE IN **BOLD** TYPE.

VALUES DETECTED ABOVE MTCA CLEANUP LEVELS ARE IN **RED BOLD** TYPE AND SHADED.

MTCA - MODEL TOXIC CONTROL ACT.

ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.

SEE LABORATORY REPORT FOR FULL LIST OF ANALYSIS.

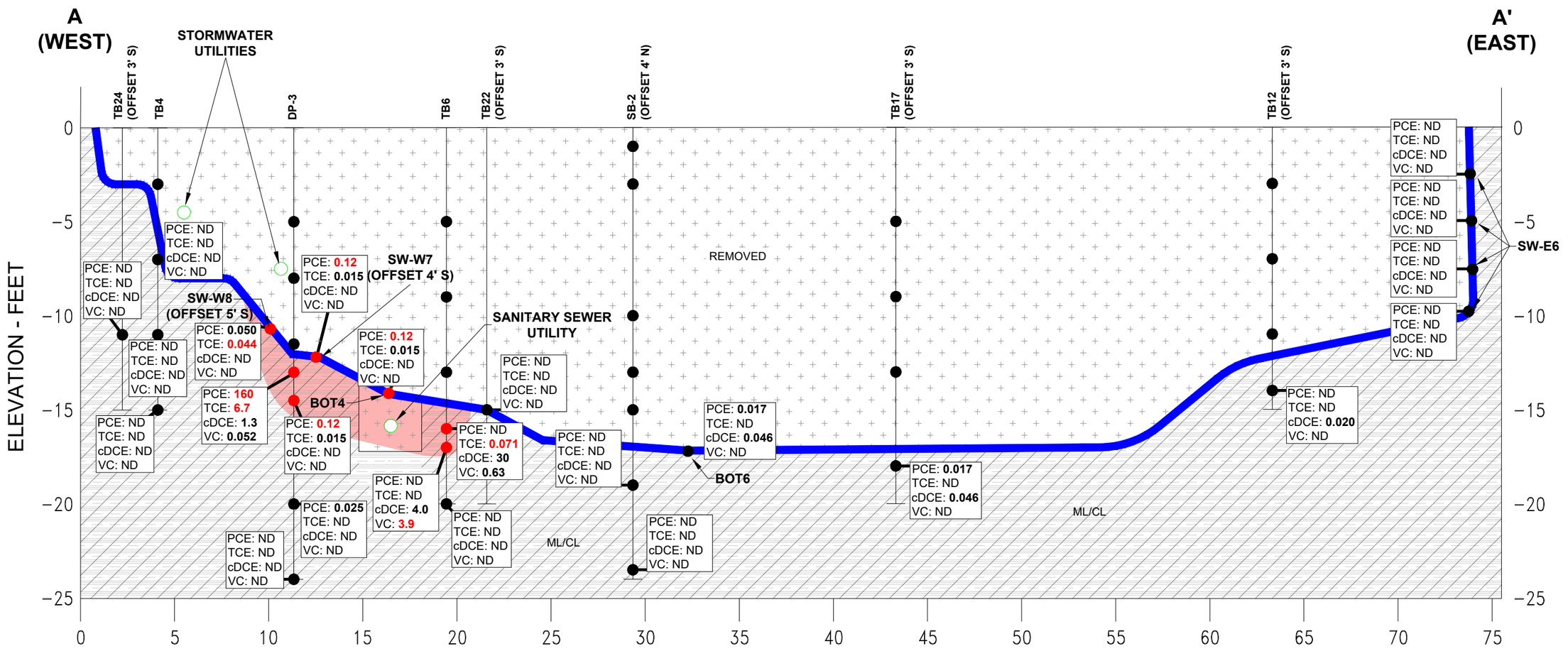
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|---|---|
| Project Mngr: | KSB |
| Drawn By: | JWD |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | AS SHOWN |
| File No. | EXHIBIT 3 |
| Date: | September 2021 |


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# EXCAVATION DIAGRAM WITH IN-PLACE SOIL SAMPLES

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 3




**LEGEND**

- SOIL BORING
- TB1 — BORING NUMBER
- OFFSET 8' E — APPROXIMATE DISTANCE AND DIRECTION OF BORING FROM BASELINE
- PCE: 30 TCE: 0.03 cDCE: 7 VC: 6 — NUMBER AND APPROXIMATE SOIL SAMPLE LOCATION WITH ANALYTICAL DATA (mg/kg)
- APPROXIMATE LIMIT OF REMEDIAL EXCAVATION
- APPROXIMATE LOCATION OF SOIL IMPACTS ABOVE MTCA CLEANUP LEVELS LEFT IN PLACE
- REMOVED: CLEAN BACKFILL
- ML/CL: SILT TO SILTY CLAY WITH MINOR AMOUNTS OF SAND AND/ OR GRAVEL
- UNDERGROUND UTILITY LINE
- SOIL SAMPLE WITH cVOC CONCENTRATIONS BELOW MTCA CULs AND/OR LABORATORY REPORTING LIMITS (ANALYTICAL RESULTS NOT DISPLAYED FOR REMOVED SAMPLES)
- SOIL SAMPLE WITH cVOC CONCENTRATIONS EXCEEDING MTCA CULs

| | |
|---|---|
| TETRACHLOROETHENE | PCE 0.05 |
| TRICHLOROETHENE | TCE 0.03 |
| CIS-1,2-DICHLOROETHENE | cDCE 160 |
| VINYL CHLORIDE | VC 0.67 |

ALL CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg).
VALUES DETECTED ARE IN **BOLD** TYPE.
VALUES DETECTED ABOVE MTCA CLEANUP LEVELS ARE IN **RED BOLD**
MTCA - MODEL TOXIC CONTROL ACT.
ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.
SEE LABORATORY REPORT FOR FULL LIST OF ANALYSIS.

NOTES:
- PLEASE REFER TO CROSS SECTION LINES ON EXHIBIT 3.

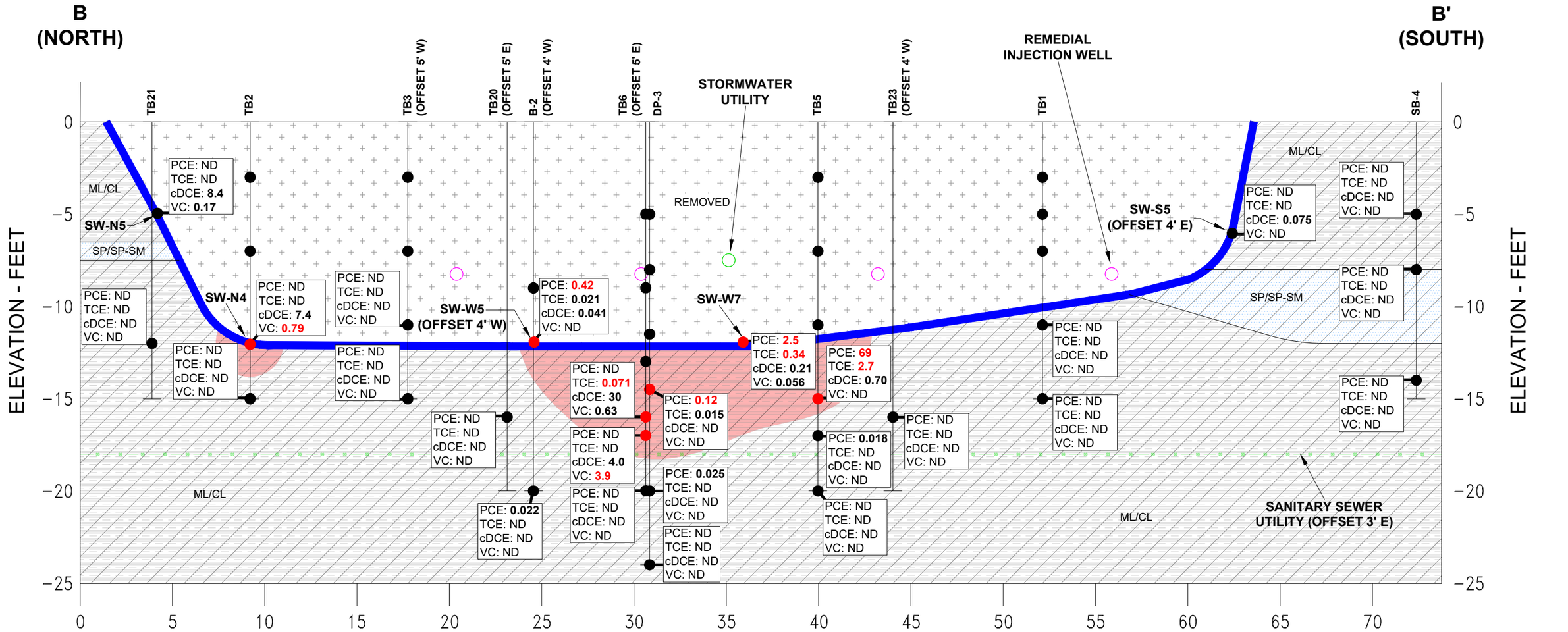
| | |
|---|---|
| Project Mngr: | KSB |
| Drawn By: | JWD |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 4 |
| Date: | September 2021 |

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Consulting Engineers and Scientists
21905 64th Avenue W, Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

# CROSS SECTION A-A'

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 4




DISTANCE ALONG BASELINE - FEET

**LEGEND**

- SOIL BORING
- TB1 — BORING NUMBER
- OFFSET 8' E — APPROXIMATE DISTANCE AND DIRECTION OF BORING FROM BASELINE
- PCE: 30 TCE: 0.03 cDCE: 7 VC: 6 — NUMBER AND APPROXIMATE SOIL SAMPLE LOCATION WITH ANALYTICAL DATA (mg/kg)
- APPROXIMATE LIMIT OF REMEDIAL EXCAVATION
- APPROXIMATE LOCATION OF SOIL IMPACTS ABOVE MTCA CLEANUP LEVELS LEFT IN PLACE
- REMOVED: CLEAN BACKFILL
- ML/CL: SILT TO SILTY CLAY WITH MINOR AMOUNTS OF SAND AND/ OR GRAVEL
- SP/SP-SM: SAND WITH VARYING AMOUNTS OF SILT AND GRAVEL
- SS — SANITARY SEWER UTILITY LINE
- REMEDIAL INJECTION WELL
- UNDERGROUND UTILITY LINE
- SOIL SAMPLE WITH cVOC CONCENTRATIONS BELOW MTCA CULs AND/OR LABORATORY REPORTING LIMITS (ANALYTICAL RESULTS NOT DISPLAYED FOR REMOVED SAMPLES)
- SOIL SAMPLE WITH cVOC CONCENTRATIONS EXCEEDING MTCA CULs

| | |
|---|---|
| TETRACHLOROETHENE | PCE 0.05 |
| TRICHLOROETHENE | TCE 0.03 |
| CIS-1,2-DICHLOROETHENE | cDCE 160 |
| VINYL CHLORIDE | VC 0.67 |

ALL CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg).
VALUES DETECTED ARE IN **BOLD** TYPE.
VALUES DETECTED ABOVE MTCA CLEANUP LEVELS ARE IN **RED BOLD**
MTCA - MODEL TOXIC CONTROL ACT.
ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.
SEE LABORATORY REPORT FOR FULL LIST OF ANALYSIS.

NOTES:
- PLEASE REFER TO CROSS SECTION LINES ON EXHIBIT 3.

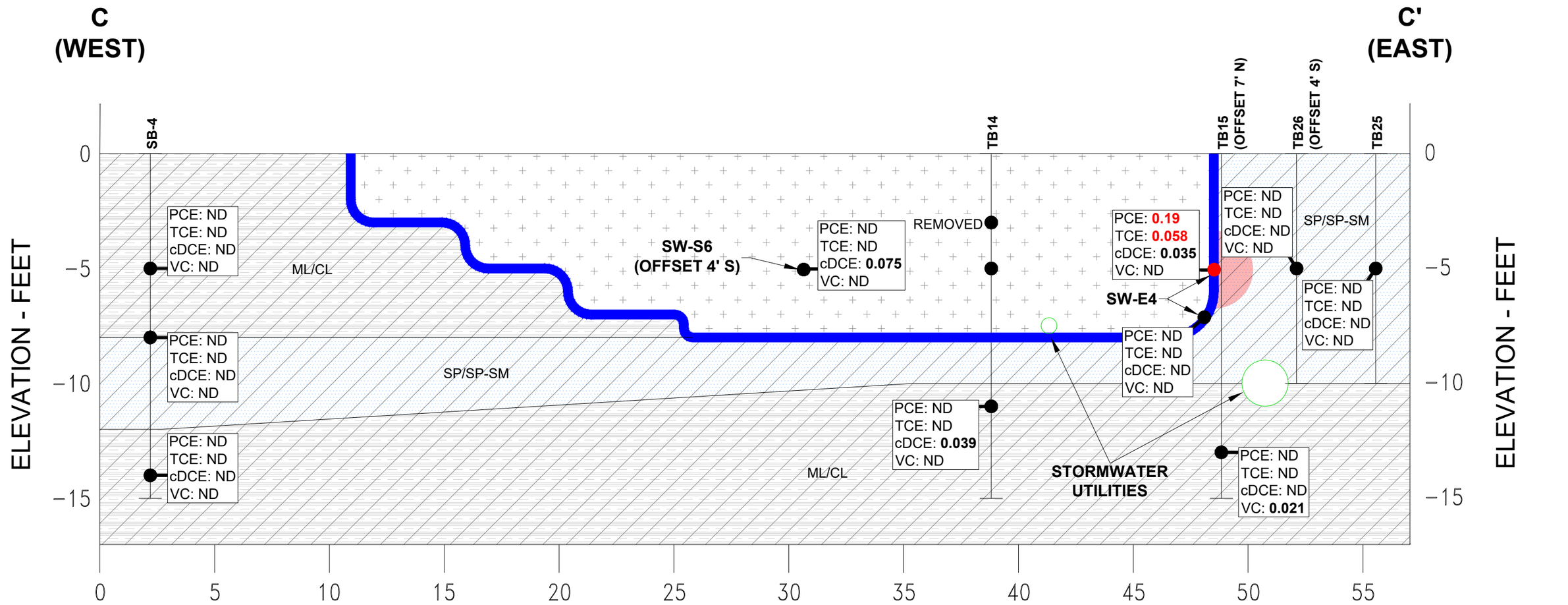
| | |
|---|---|
| Project Mngr: | KSB |
| Drawn By: | JWD |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 5 |
| Date: | September 2021 |

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# CROSS SECTION B-B'

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 5




DISTANCE ALONG BASELINE - FEET

**LEGEND**

- SOIL BORING
- TB1 — BORING NUMBER
- OFFSET 8' E — APPROXIMATE DISTANCE AND DIRECTION OF BORING FROM BASELINE
- PCE: 30 / TCE: 0.03 / cDCE: 7 / VC: 6 — NUMBER AND APPROXIMATE SOIL SAMPLE LOCATION WITH ANALYTICAL DATA (mg/kg)
- APPROXIMATE LIMIT OF REMEDIAL EXCAVATION
- APPROXIMATE LOCATION OF SOIL IMPACTS ABOVE MTCA CLEANUP LEVELS LEFT IN PLACE
- REMOVED: CLEAN BACKFILL
- ML/CL: SILT TO SILTY CLAY WITH MINOR AMOUNTS OF SAND AND/ OR GRAVEL
- SP/SP-SM: SAND WITH VARYING AMOUNTS OF SILT AND GRAVEL
- UNDERGROUND UTILITY LINE
- SOIL SAMPLE WITH cVOC CONCENTRATIONS BELOW MTCA CULs AND/OR LABORATORY REPORTING LIMITS (ANALYTICAL RESULTS NOT DISPLAYED FOR REMOVED SAMPLES)
- SOIL SAMPLE WITH cVOC CONCENTRATIONS EXCEEDING MTCA CULs

| | |
|---|---|
| TETRACHLOROETHENE | PCE 0.05 |
| TRICHLOROETHENE | TCE 0.03 |
| CIS-1,2-DICHLOROETHENE | cDCE 160 |
| VINYL CHLORIDE | VC 0.67 |

ALL CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg).
VALUES DETECTED ARE IN **BOLD** TYPE.
VALUES DETECTED ABOVE MTCA CLEANUP LEVELS ARE IN **RED BOLD**
MTCA - MODEL TOXIC CONTROL ACT.
ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.
SEE LABORATORY REPORT FOR FULL LIST OF ANALYSIS.

NOTES:
- PLEASE REFER TO CROSS SECTION LINES ON EXHIBIT 3.

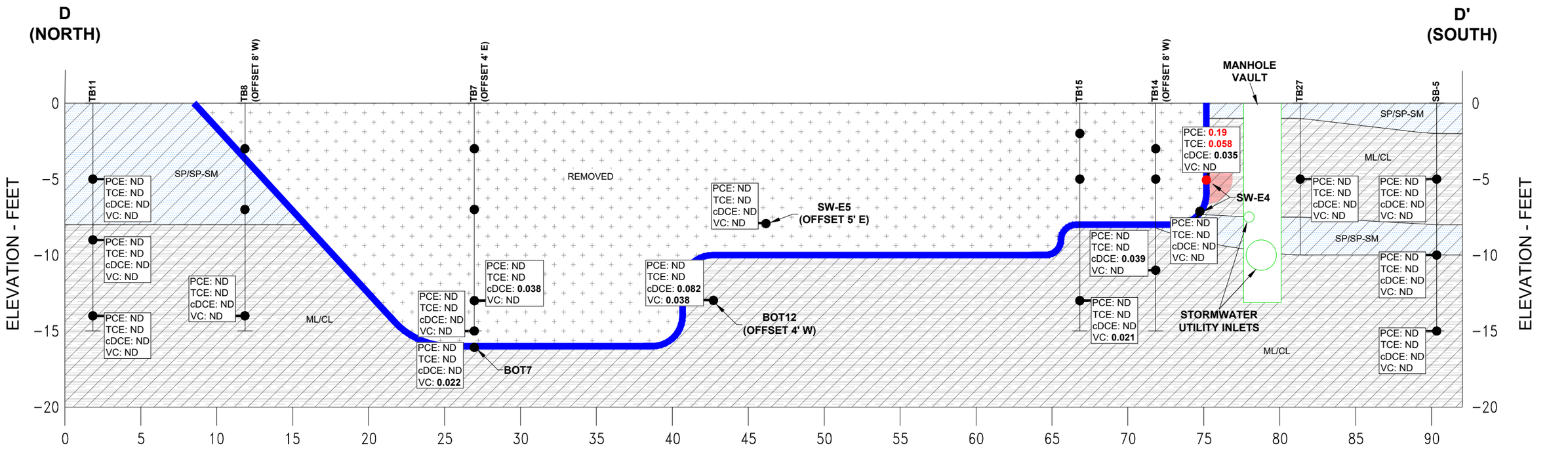
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|---|---|
| Project Mngr: | KSB |
| Drawn By: | JWD |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 6 |
| Date: | September 2021 |

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Consulting Engineers and Scientists
21905 64th Avenue W, Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

# CROSS SECTION C-C'

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 6




**LEGEND**

- SOIL BORING
- TB1 — BORING NUMBER
- OFFSET 8' E — APPROXIMATE DISTANCE AND DIRECTION OF BORING FROM BASELINE
- PCE: 30 / TCE: 0.03 / cDCE: 7 / VC: 6 — NUMBER AND APPROXIMATE SOIL SAMPLE LOCATION WITH ANALYTICAL DATA (mg/kg)
- APPROXIMATE LIMIT OF REMEDIAL EXCAVATION
- APPROXIMATE LOCATION OF SOIL IMPACTS ABOVE MTCA CLEANUP LEVELS LEFT IN PLACE
- REMOVED: CLEAN BACKFILL
- ML/CL: SILT TO SILTY CLAY WITH MINOR AMOUNTS OF SAND AND/ OR GRAVEL
- SP/SP-SM: SAND WITH VARYING AMOUNTS OF SILT AND GRAVEL
- MANHOLE VAULT
- SOIL SAMPLE WITH cVOC CONCENTRATIONS BELOW MTCA CULs AND/OR LABORATORY REPORTING LIMITS (ANALYTICAL RESULTS NOT DISPLAYED FOR REMOVED SAMPLES)
- SOIL SAMPLE WITH cVOC CONCENTRATIONS EXCEEDING MTCA CULs

NOTES:
- PLEASE REFER TO CROSS SECTION LINES ON EXHIBIT 2.

| | |
|---|---|
| TETRACHLOROETHENE | PCE 0.05 |
| TRICHLOROETHENE | TCE 0.03 |
| CIS-1,2-DICHLOROETHENE | cDCE 160 |
| VINYL CHLORIDE | VC 0.67 |

ALL CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg).
VALUES DETECTED ARE IN **BOLD** TYPE.
VALUES DETECTED ABOVE MTCA CLEANUP LEVELS ARE IN **RED BOLD**
MTCA - MODEL TOXIC CONTROL ACT.
ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.
SEE LABORATORY REPORT FOR FULL LIST OF ANALYSIS.

| | |
|---|---|
| Project Mngr: | KSB |
| Drawn By: | JWD |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 7 |
| Date: | September 2021 |

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Consulting Engineers and Scientists
21905 64th Avenue W, Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

# CROSS SECTION D-D'

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 7

N

HOSPITAL BUILDING

ELM STREET

| MW-4 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| 7/28/20 | ND | ND | ND | ND |
| 4/15/21 | NS | NS | NS | NS |
| 12/3/21 | ND | ND | ND | ND |
| 3/22/22 | ND | ND | ND | ND |
| 6/22/22 | ND | ND | ND | ND |
| 9/20/22 | ND | ND | ND | ND |

| MW-9 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| 7/28/20 | ND | ND | ND | ND |
| 4/15/21 | NS | NS | NS | NS |
| Decommissioned November 2021 | | | | |

| MW-11 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| Installed November 2021 | | | | |
| 12/3/21 | ND | ND | ND | ND |
| 3/22/22 | ND | ND | ND | ND |
| 6/22/22 | ND | ND | ND | ND |
| 9/20/22 | ND | ND | ND | ND |

| MW-1 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| 7/28/20 | ND | ND | **3.1** | **0.25** |
| 4/15/21 | ND | ND | **2.3** | ND |
| Decommissioned April 2021 | | | | |

| MW-13 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| Installed November 2021 | | | | |
| 12/3/21 | ND | ND | **73** | **16** |
| 3/22/22 | ND | ND | **6.8** | **2.9** |
| 6/22/22 | ND | ND | **9.4** | **4.2** |
| 9/20/22 | ND | ND | **2.9** | **2.7** |

| MW-5 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| 7/28/20 | ND | ND | ND | ND |
| 4/15/21 | NS | NS | NS | NS |
| 12/3/21 | ND | ND | ND | ND |
| 3/22/22 | ND | ND | ND | ND |
| 6/22/22 | ND | ND | ND | ND |
| 9/20/22 | ND | ND | ND | ND |

| MW-14 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| Installed November 2021 | | | | |
| 12/3/21 | ND | ND | ND | ND |
| 3/22/22 | ND | ND | ND | ND |
| 6/22/22 | ND | ND | ND | ND |
| 9/20/22 | ND | ND | ND | ND |

| MW-10 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| 7/28/20 | ND | ND | ND | ND |
| 4/15/21 | NS | NS | NS | NS |
| 12/3/21 | ND | ND | ND | ND |
| 3/22/22 | ND | ND | ND | ND |
| 6/22/22 | ND | ND | ND | ND |
| 9/20/22 | ND | ND | ND | ND |

| MW-6 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| 7/28/20 | ND | ND | ND | ND |
| 4/15/21 | NS | NS | NS | NS |
| 12/3/21 | ND | ND | ND | ND |
| 3/22/22 | ND | ND | ND | ND |
| 6/22/22 | ND | ND | ND | ND |
| 9/20/22 | ND | ND | ND | ND |

| MW-7 | |
|---|---|
| 7/28/20 | Dry |
| 4/15/21 | |
| Decommissioned April 2021 | |

| MW-12 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| Installed November 2021 | | | | |
| 12/3/21 | ND | ND | ND | ND |
| 3/22/22 | ND | ND | ND | ND |
| 6/22/22 | ND | ND | ND | ND |
| 9/20/22 | ND | ND | ND | ND |

| MW-2 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| 7/28/20 | ND | ND | ND | ND |
| 4/15/21 | ND | ND | ND | ND |
| Decommissioned April 2021 | | | | |

| MW-3 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| 7/28/20 | ND | ND | ND | ND |
| 4/15/21 | NS | NS | NS | NS |
| 12/3/21 | ND | ND | ND | ND |
| 3/22/22 | NS | NS | NS | NS |
| 6/22/22 | NS | NS | NS | NS |
| 9/20/22 | NS | NS | NS | NS |

| MW-8 | | | | |
|---|---|---|---|---|
| Date | PCE | TCE | cDCE | VC |
| 7/28/20 | ND | ND | ND | ND |
| 4/15/21 | NS | NS | NS | NS |
| 12/3/21 | ND | ND | ND | ND |
| 3/22/22 | NS | NS | NS | NS |
| 6/22/22 | NS | NS | NS | NS |
| 9/20/22 | NS | NS | NS | NS |

MW-A

MW-B

MW-C

76 GAS STATION

FUELING CANOPY

30 0 10 20 30

APPROXIMATE SCALE IN FEET

## LEGEND

APPROXIMATE SITE BOUNDARY

**MW-8** APPROXIMATE LOCATION AND NUMBER OF GROUNDWATER MONITORING WELL

MW-2 APPROXIMATE LOCATION AND NUMBER OF DECOMMISSIONED GROUNDWATER MONITORING WELL

SAMPLE NUMBER
TETRACHLOROETHENE
TRICHLOROETHENE
CIS-1,2-DICHLOROETHENE
VINYL CHLORIDE

| MW-2 | |
|---|---|
| PCE | **5** |
| TCE | **5** |
| cDCE | **16** |
| VC | **0.20** |

ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (ug/L).

VALUES DETECTED ARE IN **BOLD** TYPE.

VALUES DETECTED ABOVE MTCA CLEANUP LEVELS ARE IN **RED BOLD** TYPE AND SHADED.

MTCA - MODEL TOXIC CONTROL ACT.

ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.

NS - NOT SAMPLED.

SEE LABORATORY REPORT FOR FULL LIST OF ANALYSIS.

| | |
|---|---|
| Project Mngr: | KSB |
| Drawn By: | JWD |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | AS SHOWN |
| File No. | EXHIBIT 8 |
| Date: | October 2022 |

Terracon
Consulting Engineers and Scientists
21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

# GROUNDWATER ANALYTICAL CONCENTRATIONS MAP

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 8

N

MW-10
(294.99)

MW-9

HOSPITAL
BUILDING

297
296
295
294
293
292

MW-4
(297.05)

MW-11
(295.99)

MW-1

MW-13
(293.12)

MW-5
(296.14)

MW-6
(291.32)

MW-2

MW-12
(295.36)

MW-14
(291.91)

MW-7

ELM STREET

MW-C
(NM)

MW-3
(NM)

MW-8
(NM)

MW-B
(NM)

76 GAS
STATION

MW-A
(NM)

FUELING
CANOPY

30 0 10 20 30

APPROXIMATE SCALE IN FEET

**LEGEND**

| | |
|---|---|
| APPROXIMATE SITE BOUNDARY | MW-2 APPROXIMATE LOCATION AND NUMBER OF DECOMMISSIONED GROUNDWATER MONITORING WELL |
| GROUNDWATER FLOW DIRECTION | MW-12 (295.36) APPROXIMATE LOCATION AND NUMBER OF GROUNDWATER MONITORING WELL WITH GROUNDWATER ELEVATION (FEET) |
| 536 GROUNDWATER ELEVATION CONTOURS WITH GROUNDWATER ELEVATION (FEET) | NM - NOT MEASURED |

| | | | |
|---|---|---|---|
| Project Mngr: KSB | Project No. 81207449 | Terracon Consulting Engineers and Scientists | **GROUNDWATER CONTOUR AND FLOW MAP - SEPTEMBER 2022** |
| Drawn By: JWD | Scale: AS SHOWN | 21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043 | View Ridge Plaza |
| Checked By: KSB | File No. EXHIBIT 9 | PH. (425) 771-3304 FAX. (425) 771-3549 | 220 Olympic Boulevard |
| Approved By: MYW | Date: October 2022 | | Everett, Snohomish County, Washington |

EXHIBIT 9




LEGEND

- 3-INCH I.D. 0.125-INCH SLOTTED SCH 40 PVC VAPOR COLLECTION PIPING
- 3-INCH I.D. SOLID SCH 40 PVC BELOW SLAB CONVEYANCE PIPE
- SUB-SLAB VAPOR PROBE WITH ACCESS PANEL
- EXTENT OF VAPOR INTRUSION MITIGATION SYSTEM MEMBRANE
- PERIMETER INLET VENT
- VR1 — 4-INCH I.D. VENT RISER TO ROOF LOCATION
- IA — INDOOR AIR SAMPLE LOCATIONS
- (VMP) — VACUUM MONITORING PROBE SAMPLE LOCATIONS

N

8 0 2 4 8

APPROXIMATE SCALE IN FEET

| REV. | DATE | BY | DESCRIPTION |
|---|---|---|---|
| | | | |

INDOOR AIR AND VACUUM MONITORING PROBE SAMPLES

# VIEW RIDGE PLAZA

220 OLYMPIC BOULEVARD

EVERETT WASHINGTON

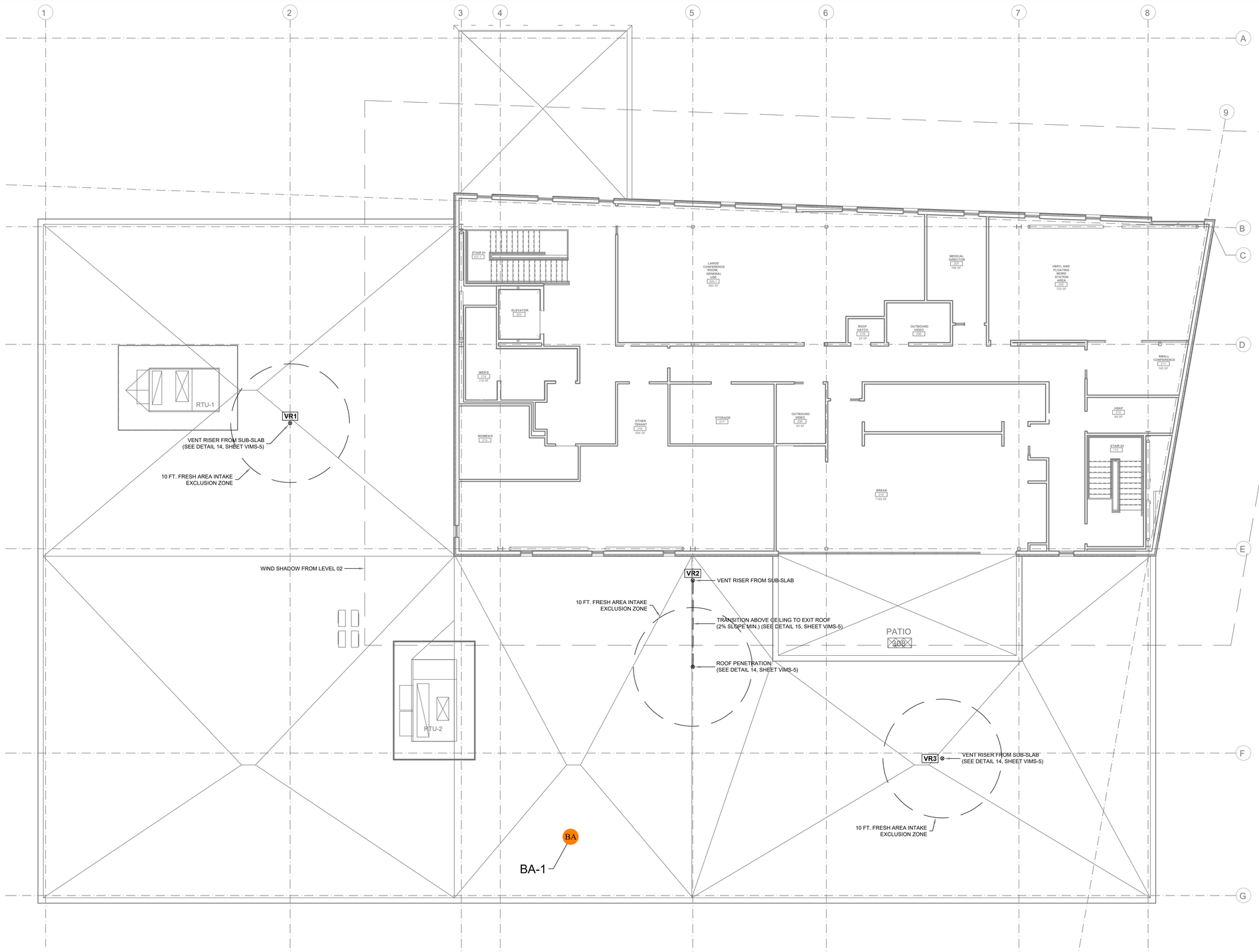

terracon Explore with us

21905 64TH AVENUE W. SUITE 100 MOUNTLAKE TERRACE, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549


NOT FOR CONSTRUCTION

Exhibit 10

| | |
|---|---|
| DESIGNED BY: | ZKB |
| DRAWN BY: | AMP |
| APPVD. BY: | KSB |
| SCALE: | AS SHOWN |
| DATE: | SEPT. 2022 |
| JOB NO. | 81207449 |
| SHEET NO.: | 1 OF 2 |




LEGEND

VR1 ⊗ VENT RISER FROM SUB-SLAB LOCATION

VENT RISER TRANSITION BELOW THE ROOF DECK

BA BACKGROUND AIR SAMPLE LOCATIONS

N

8 0 2 4 8

APPROXIMATE SCALE IN FEET

| REV. | DATE | BY | DESCRIPTION |
|---|---|---|---|
| | | | |

BACKGROUND AIR SAMPLE

# VIEW RIDGE PLAZA
## 220 OLYMPIC BOULEVARD
EVERETT WASHINGTON


Terracon
Explore with us
21905 64TH AVENUE W, SUITE 100 MOUNTLAKE TERRACE, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549


NOT FOR CONSTRUCTION

Exhibit 11

| | |
|---|---|
| DESIGNED BY: | ZKB |
| DRAWN BY: | AMP |
| APPVD. BY: | KSB |
| SCALE: | AS SHOWN |
| DATE: | SEPT. 2022 |
| JOB NO. | 81207449 |
| SHEET NO.: | 2 OF 2 |

# APPENDIX B – TABLES

**TABLE 1**

**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

All concentrations are in micrograms per liter (µg/L)

| Well ID (Top of Casing Elevation [feet]) | Sample Date | Depth to Water (feet) | Ground-water Elevation (feet) | VOCs[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethylene (cis-DCE) | Trans-1,2- Dichloroethylene (trans-DCE) | Vinyl Chrloride (VC) | 1,1- Dichloroethene (1,1-DCE) |
| **MTCA Method A Cleanup Level** | | | | **5** | **5** | **16*** | **160*** | **0.20** | **400*** |
| MW-1 (301.76) | 7/28/20 | 5.30 | 296.46 | ND (<2.0) | ND (<2.0) | **3.1** | ND (<2.0) | **0.25** | ND (<2.0) |
| | 4/15/21 | -- | -- | ND (<2.0) | ND (<2.0) | **2.3** | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | MW-1 Decommissioned April 2021 | | | | | | | | |
| MW-2 (301.75) | 7/28/20 | 5.25 | 296.50 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/15/21 | -- | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | MW-2 Decommissioned April 2021 | | | | | | | | |
| MW-3 (301.41) | 7/28/20 | 8.93 | 292.48 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/15/21 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/3/21 | 8.39 | 293.02 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 3/22/22 | 8.77 | 293.40 | -- | -- | -- | -- | -- | -- |
| | 6/22/22 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/20/22 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-4 (300.66) | 7/28/20 | 3.07 | 297.59 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/15/21 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/3/21 | 3.04 | 297.62 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 3/22/22 | 2.65 | 298.01 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/22/22 | 3.24 | 297.42 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/20/22 | 3.61 | 297.05 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-5 (300.74) | 7/28/20 | 4.19 | 296.55 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/15/21 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/3/21 | 2.90 | 297.84 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 3/22/22 | 2.28 | 298.46 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/22/22 | 2.67 | 298.07 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/20/22 | 4.60 | 296.14 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |

**TABLE 1**

**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

All concentrations are in micrograms per liter (µg/L)

| Well ID (Top of Casing Elevation [feet]) | Sample Date | Depth to Water (feet) | Ground-water Elevation (feet) | VOCs[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethylene (cis-DCE) | Trans-1,2- Dichloroethylene (trans-DCE) | Vinyl Chrloride (VC) | 1,1- Dichloroethene (1,1-DCE) |
| **MTCA Method A Cleanup Level** | | | | **5** | **5** | **16*** | **160*** | **0.20** | **400*** |
| MW-6 (302.18) | 7/28/20 | 9.31 | 292.87 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/15/21 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/3/21 | 6.67 | 295.51 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 3/22/22 | 8.59 | 293.59 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/22/22 | 8.48 | 293.70 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/20/22 | 11.20 | 291.32 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-7 | 7/28/20 | dry | -- | monitoring well dry, groundwater not observed | | | | | |
| | 4/15/21 | dry | -- | | | | | | |
| | MW-7 Decommissioned April 2021 | | | | | | | | |
| MW-8 (299.83) | 7/28/20 | 3.04 | 296.79 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/15/21 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/3/21 | 2.04 | 297.79 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 3/22/22 | 2.00 | 297.83 | -- | -- | -- | -- | -- | -- |
| | 6/22/22 | 2.29 | 297.54 | -- | -- | -- | -- | -- | -- |
| | 9/20/22 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-9 (301.69) | 7/28/20 | 5.26 | 296.43 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/15/21 | -- | -- | -- | -- | -- | -- | -- | -- |
| | MW-9 Decommissioned November 2021 | | | | | | | | |
| MW-10 (302.48) | 7/28/20 | 5.41 | 297.07 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/15/21 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/3/21 | 6.09 | 296.39 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 3/22/22 | 10.36 | 292.12 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/22/22 | 10.25 | 292.23 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/20/22 | 7.49 | 294.99 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-11 (302.09) | 12/3/21 | 6.80 | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 3/22/22 | 6.84 | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/22/22 | 7.08 | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/20/22 | 6.10 | 295.99 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |

**TABLE 1**

**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

All concentrations are in micrograms per liter (µg/L)

| Well ID (Top of Casing Elevation [feet]) | Sample Date | Depth to Water (feet) | Ground-water Elevation (feet) | VOCs[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethylene (cis-DCE) | Trans-1,2- Dichloroethylene (trans-DCE) | Vinyl Chrloride (VC) | 1,1- Dichloroethene (1,1-DCE) |
| **MTCA Method A Cleanup Level** | | | | **5** | **5** | **16*** | **160*** | **0.20** | **400*** |
| MW-12 (302.10) | 12/3/21 | 6.08 | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 3/22/22 | 6.77 | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/22/22 | 7.25 | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/20/22 | 6.74 | 295.36 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-13 (303.19) | 12/3/21 | 7.88 | -- | ND (<2.0) | ND (<2.0) | **73** | ND (<2.0) | **16** | ND (<2.0) |
| | 3/22/22 | 10.49 | -- | ND (<2.0) | ND (<2.0) | **6.8** | ND (<2.0) | **2.9** | ND (<2.0) |
| | 6/22/22 | 9.73 | -- | ND (<2.0) | ND (<2.0) | **9.4** | ND (<2.0) | **4.2** | ND (<2.0) |
| | 9/20/22 | 10.07 | 293.12 | ND (<2.0) | ND (<2.0) | **2.9** | ND (<2.0) | **2.7** | ND (<2.0) |
| MW-14 (302.92) | 12/3/21 | 11.62 | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 3/22/22 | 12.20 | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 7/12/22 | 9.28 | 293.64 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/20/22 | 11.01 | 291.91 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |

Note: Concentrations detected above laboratory reporting limits are in **BOLD** type.
Concentrations above MTCA cleanup levels are in **BOLD RED** type and a shaded cell.

VOCs - Volatile organic compounds
MTCA - Model Toxics Control Act
ND - Not detected above laboratory reporting limits.
-- - Not analyzed
* - MTCA Method B Cleanup Level
1 - See laboratory report for full list of analytes.

**TABLE 2**

**SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| Soil Borings | | | | | | | | |
| TB1 | TB1-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **2.4** | **0.16** |
| | TB1-5 | | 5 | Removed | ND (<0.010) | ND (<0.010) | **9.6** | **0.62** |
| | TB1-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB1-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB1-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB2 | TB2-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **0.41** | **0.012** |
| | TB2-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | **15** | **0.57** |
| | TB2-11 | | 11 | Removed | **4.4** | **0.065** | **0.068** | ND (<0.010) |
| | TB2-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB3 | TB3-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **0.48** | ND (<0.010) |
| | TB3-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB3-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB3-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB4 | TB4-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB4-7 | | 7 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB4-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB4-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB5 | TB5-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **1.2** | **0.18** |
| | TB5-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | **15** | **0.70** |
| | TB5-11 | | 11 | Removed | **3.0** | **0.083** | **0.069** | ND (<0.010) |
| | TB5-15 | | 15 | In Place | **69** | **2.7** | **0.70** | ND (<0.010) |
| | TB5-17 | | 17 | In Place | **0.018** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB5-20 | | 20 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB6 | TB6-5 | 1/25/2021 | 5 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB6-9 | | 9 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB6-13 | | 13 | Removed | ND (<0.010) | ND (<0.010) | **20** | **0.63** |
| | TB6-16 | | 16 | In Place | ND (<0.010) | **0.071** | **30** | **0.63** |
| | TB6-17 | | 17 | In Place | ND (<0.010) | ND (<0.010) | **4.0** | **3.9** |
| | TB6-20 | | 20 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |

**TABLE 2**

**SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| TB7 | TB7-3 | 4/15/2021 | 3 | Removed | ND (<0.010) | **0.014** | **0.73** | ND (<0.010) |
| | TB7-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | **0.46** | **0.037** |
| | TB7-13 | | 13 | In Place | ND (<0.010) | ND (<0.010) | **0.038** | ND (<0.010) |
| | TB7-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB8 | TB8-3 | 4/15/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **1.2** | **0.022** |
| | TB8-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | **0.45** | ND (<0.010) |
| | TB8-14 | | 14 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB9 | TB9-3 | 4/15/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **3.0** | **0.71** |
| | TB9-5 | | 5 | Removed | **0.27** | **0.032** | **0.17** | **0.015** |
| | TB9-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB9-13 | | 13 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB10 | TB10-3 | 4/15/2021 | 3 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB10-9 | | 9 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB10-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB11 | TB11-5 | 4/15/2021 | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB11-9 | | 9 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB11-14 | | 14 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB12 | TB12-3 | 4/15/2021 | 3 | Removed | **0.21** | **0.010** | **0.40** | **0.013** |
| | TB12-7 | | 7 | Removed | **0.23** | **0.022** | **0.30** | **0.11** |
| | TB12-11 | | 11 | Removed | **0.021** | ND (<0.010) | **0.020** | ND (<0.010) |
| | TB12-14 | | 14 | In Place | ND (<0.010) | ND (<0.010) | **0.020** | ND (<0.010) |
| TB14 | TB14-3 | 4/15/2021 | 3 | Removed | **0.70** | ND (<0.010) | **0.021** | ND (<0.010) |
| | TB14-5 | | 5 | Removed | **0.41** | **0.044** | **0.13** | ND (<0.010) |
| | TB14-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | **0.039** | ND (<0.010) |
| TB15 | TB15-2 | 4/15/2021 | 2 | Removed | ND (<0.010) | **0.021** | **0.41** | ND (<0.010) |
| | TB15-5 | | 5 | Removed | **4.8** | **1.7** | **1.1** | ND (<0.010) |
| | TB15-13 | | 13 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | **0.021** |
| TB16 | TB16-5 | 4/15/2021 | 5 | In Place | ND (<0.010) | ND (<0.010) | **0.30** | ND (<0.010) |
| | TB16-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | **0.022** | ND (<0.010) |
| TB17 | TB17-5 | 4/15/2021 | 5 | Removed | **1.9** | **0.033** | **84** | **0.61** |
| | TB17-9 | | 9 | Removed | **0.015** | **3.1** | **28** | **0.54** |
| | TB17-13 | | 13 | Removed | **0.022** | **0.029** | **11** | **0.026** |
| | TB17-18 | | 18 | In Place | **0.017** | ND (<0.010) | **0.046** | ND (<0.010) |

**TABLE 2**

**SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| TB19 | TB19-12 | 7/1/2021 | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB20 | TB20-16 | | 16 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB21 | TB21-12 | | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB22 | TB22-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB23 | TB23-16 | | 16 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB24 | TB24-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB25 | TB25-5 | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB26 | TB26-5 | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB27 | TB27-5 | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB28 | TB28-12 | | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-4 | MW4-6 | 4/26/2019 | 6 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-5 | MW5-6.5 | | 6.5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-6 | MW6-6 | 4/25/2019 | 6 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-7 | MW7-12 | | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-8 | MW-8-4 | 6/5/2019 | 4 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-9 | MW-9-10 | | 10 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-10 | MW-10-12 | | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-11 | MW11-13 | 11/24/2021 | 13 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-12 | MW12-10 | | 10 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-13 | MW13-16 | | 16 | In Place | ND (<0.010) | ND (<0.010) | **0.051** | **0.032** |
| MW-14 | MW14-5 | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| DP-1 | DP1-5' | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.072) | ND (<0.010) |
| DP-1A | DP1A-10' | | 10 | In Place | **0.050** | **0.030** | ND (<0.066) | ND (<0.010) |
| DP-1 | DP1-15' | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.060) | ND (<0.010) |
| DP-2 | DP2-5' | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.069) | ND (<0.010) |
| | DP2-10' | | 10 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.069) | ND (<0.010) |
| | DP2-15' | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.067) | ND (<0.010) |

**TABLE 2**

**SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| DP-3 | DP3-5' | 9/16/2015 | 5 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.063) | **0.16** |
| | DP3-8' | | 8 | Removed | **25** | **1.3** | **1.7** | **0.080** |
| | DP3-11.5' | | 11.5 | Removed | **140** | **4.4** | **1.4** | **0.073** |
| | DP3-13' | | 13 | In Place | **160** | **6.7** | **1.3** | **0.052** |
| | DP3-14.5' | | 14.5 | In Place | **0.12** | **0.015** | ND (<0.067) | ND (<0.010) |
| | DP3-20' | | 20 | In Place | **0.025** | ND (<0.010) | ND (<0.067) | ND (<0.010) |
| | DP3-24' | | 24 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.076) | ND (<0.010) |
| SB-2 | SB-2 S-1@1-1.5' | 9/16/2015 | 1 | Removed | **3.3** | **0.22** | **0.38** | ND (<0.010) |
| | SB-2 S-2@3-3.5' | | 3 | Removed | **2.1** | **0.63** | **0.25** | **0.11** |
| | SB-2 S-4@10-10.5' | | 10 | Removed | **1.2** | **0.10** | **0.15** | ND (<0.010) |
| | SB-2 S-5@13-13.5' | | 13 | Removed | **130** | **9.4** | **22** | **0.022** |
| | SB-2 S-6@15-15.5' | | 15 | Removed | **1.1** | **6.1** | **26** | **0.96** |
| | SB-2 S-8@19-19.5' | | 19 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.068) | ND (<0.010) |
| | SB-2 S-9@23.5-24' | | 23.5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.064) | ND (<0.010) |
| SB-7 | SB-7 S-1@1-2' | 9/17/2015 | 1 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | SB-7 S-2@4-5' | | 4 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| B1 | B1-4 | 10/23/2013 | 4 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| B2 | B2-9 | | 9 | Removed | **0.630** | **0.014** | **0.014** | ND (<0.01) |
| | B2-20 | | 20 | In Place | **0.022** | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| B3 | B3-5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | B3-13 | | 13 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| B4 | B4-7 | | 7 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-1 | SB-1:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-1:10 | | 10 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-1:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-2 | SB-2:2 | | 2 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-2:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-2:10 | | 10 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-3 | SB-3:2 | | 2 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-3:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-3:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |

**TABLE 2**

**SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| SB-4 | SB-4:5 | 10/15/2014 | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-4:8 | | 8 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-4:14 | | 14 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-5 | SB-5:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-5:10 | | 10 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-5:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-6 | SB-6:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-6:13 | | 13 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-7 | SB-7:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-7:8 | | 8 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-7:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-8 | SB-8:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-8:9 | | 9 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-8:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| Dangerous Waste Confirmation Samples | | | | | | | | |
| SW-N | SW-N1-10 | 5/20/2021 | 10 | Removed | **1.6** | **0.15** | **1.5** | **0.23** |
| | SW-N2-10 | | 10 | Removed | ND (<0.025) | ND (<0.02) | **0.31** | ND (<0.05) |
| | SW-N3-10 | 5/21/2021 | 10 | Removed | ND (<0.025) | ND (<0.02) | **0.80** | ND (<0.05) |
| SW-E | SW-E1-4 | 5/18/2021 | 4 | Removed | **0.030** | ND (<0.02) | **12** | **0.23** |
| | SW-E2-4 | 5/19/2021 | 4 | Removed | ND (<0.025) | ND (<0.02) | **1.2** | ND (<0.05) |
| SW-S | SW-S1-4 | 5/19/2021 | 4 | Removed | ND (<0.025) | ND (<0.02) | **1.4** | ND (<0.05) |
| | SW-S2-12 | | 12 | Removed | **0.12** | **0.22** | **1.4** | ND (<0.05) |
| | SW-S3-4 | 5/21/2021 | 4 | Removed | ND (<0.025) | ND (<0.02) | **4.1** | **0.050** |
| | SW-S3-10 | | 10 | Removed | **0.042** | **0.26** | **3.9** | **0.097** |
| SW-W | SW-W1-4 | 5/18/2021 | 4 | Removed | **2.1** | **6.0** | **5.3** | **0.75** |
| | SW-W3-4 | 5/19/2021 | 4 | Removed | **0.14** | **0.70** | **7.5** | ND (<0.05) |
| | SW-W4-11 | | 11 | Removed | **2.3** | **0.28** | **0.35** | ND (<0.05) |
| BOT | BOT1-7.5 | 5/18/2021 | 7.5 | Removed | ND (<0.025) | **0.035** | **0.10** | ND (<0.05) |
| | BOT2-7.5 | | 7.5 | Removed | **0.058** | ND (<0.02) | **0.068** | ND (<0.05) |
| | BOT3-7.5 | 5/19/2021 | 7.5 | Removed | ND (<0.025) | ND (<0.02) | **1.7** | **0.16** |
| | BOT4-14 | | 14 | Removed | **0.051** | **0.092** | **0.070** | ND (<0.05) |
| | BOT5-15 | | 15 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |

**TABLE 2**

**SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
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**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| Final Excavation Confirmation Samples | | | | | | | | |
| SW-N | SW-N4-12 | 6/10/2021 | 12 | Removed | ND (<0.03) | ND (<0.02) | **7.4** | **0.79** |
| | SW-N5-5 | | 5 | In Place | ND (<0.03) | ND (<0.02) | **8.4** | **0.17** |
| | SW-N6-8 | | 8 | Removed | **0.048** | **0.052** | **0.039** | ND (<0.02) |
| | SW-N6-10 | 6/14/2021 | 10 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | SW-N7-6 | 6/10/2021 | 6 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| SW-E | SW-E3-5 | 6/15/2021 | 5 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | SW-E4-5 | | 5 | In Place | **0.19** | **0.058** | **0.035** | ND (<0.02) |
| | SW-E4-8 | 6/16/2021 | 8 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E5-8 | | 8 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E6-2.5 | | 2.5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E6-5 | | 5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E6-7.5 | | 7.5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E6-10 | | 10 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E7-5 | | 5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E8-5 | | 5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| SW-S | SW-S4-6 | 6/14/2021 | 6 | Removed | **1.1** | **0.34** | **0.12** | **0.052** |
| | SW-S5-6 | 6/15/2021 | 6 | In Place | ND (<0.03) | ND (<0.02) | **0.075** | ND (<0.02) |
| | SW-S6-5 | | 5 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| SW-W | SW-W5-12 | 6/11/2021 | 12 | In Place | **0.42** | **0.021** | **0.041** | ND (<0.02) |
| | SW-W6-9 | | 9 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | SW-W7-12 | | 12 | In Place | **2.5** | **0.34** | **0.21** | **0.056** |
| | SW-W8-11 | | 11 | In Place | **0.050** | **0.044** | ND (<0.03) | ND (<0.02) |

**TABLE 2**

**SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| BOT | BOT6-16 | 6/11/2021 | 16 | Removed | ND (<0.03) | **0.14** | **8.0** | **1.1** |
| | BOT6-17 | 6/14/2021 | 17 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT7-16 | 6/11/2021 | 16 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | **0.022** |
| | BOT8-13 | 6/14/2021 | 13 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT9-16 | 6/14/2021 | 16 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT10-9 | 6/15/2021 | 9 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT11-23 | | 23 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT12-13 | | 13 | In Place | ND (<0.03) | ND (<0.02) | **0.082** | **0.038** |
| | BOT13-8 | | 8 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |

Note: Values detected above laboratory method reporting limits (MRLs) are in **BOLD** type.
Values detected above MTCA cleanup levels are in **RED BOLD** type and in a shaded cell.
Compounds for which no cleanup level has been established are not included in this table.

VOCs - Volatile organic compounds
TCLP - Toxcity Leachate Characteristic Procedure
MTCA - Model Toxics Control Act
ND - Not detected above laboratory reporting limit.
* - MTCA Method B Cleanup Level
^ - Toxicity characteristics list maximum allowable levels
-- - Not analyzed
1 - See laboratory report for full list of analytes.
F3 - Analyte results biased high due to coeluting compound

**TABLE 3**

**SUMMARY OF INDOOR AIR ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in micrograms per cubic meter (µg/m3)

| Sample Location | Sample Name | Sample Date | VOCs[1] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Trans-1,2- Dichloroethene (trans-DCE) | Vinyl Chrloride (VC) | 1,1- Dichloroethene (1,1-DCE) | 1,1,1-Trichloroethane (TCA) |
| **Indoor Air MTCA Method B Cleanup Level** | | | **9.6** | **0.33** | **NE** | **18** | **0.28** | **91** | **2,300** |
| Background Air - Rooftop | BA-1 | 8/18/2022 | ND (<6.8) | ND (<0.11) | ND (<0.4) | ND (<0.4) | ND (<0.26) | ND (<0.4) | ND (<0.55) |
| Hall 8 | IA-1 | | ND (<6.8) | ND (<0.11) | ND (<0.4) | ND (<0.4) | ND (<0.26) | ND (<0.4) | ND (<0.55) |
| Alcove Storage | IA-2 | | ND (<6.8) | ND (<0.11) | ND (<0.4) | ND (<0.4) | ND (<0.26) | ND (<0.4) | ND (<0.55) |

Note: Indoor Air Cleanup Level established per Ecology's CLARC July 2022 data tables
CLARC - Cleanup Levels and Risk Calculation
VOCs - Volatile organic compounds
MTCA - Model Toxics Control Act
NE - Not established per the CLARC July 2022 data tables
ND - Not detected above laboratory reporting limit
1 - Refer to the analytical report for a complete list of analytes.

**TABLE 4**

**SUMMARY OF SOIL GAS ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in micrograms per cubic meter (µg/m3)

| Sample Location | Sample Name | Sample Date | VOCs[1] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Trans-1,2- Dichloroethene (trans-DCE) | Vinyl Chrloride (VC) | 1,1- Dichloroethene (1,1-DCE) | 1,1,1-Trichloroethane (TCA) |
| **Sub-Slab Soil Gas Screening Level** | | | **320** | **11** | **NE** | **610** | **9.5** | **3,000** | **76,000** |
| VR1 | VMP-1 | 8/18/2022 | ND (<130) | ND (<2) | ND (<7.5) | ND (<7.5) | ND (<4.9) | ND (<7.5) | ND (<10) |
| VR3 | VMP-2 | | ND (<63) | **1.1** | ND (<3.7) | ND (<3.7) | ND (<2.4) | ND (<3.7) | ND (<5.1) |

Note: Values detected above laboratory method reporting limits (MRLs) are in **BOLD** type.

CLARC - Cleanup Levels and Risk Calculation

VOCs - Volatile organic compounds

NE - Not established per the CLARC July 2022 data tables

ND - Not detected above laboratory reporting limit

1 - Refer to the analytical report for a complete list of analytes.

# APPENDIX C – SOIL BORING LOGS

# BORING LOG NO. TB1



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **SILTY SAND (SM)**, brown, with gravels | | | | 0.1 | |
| 1.5 | **SILT (ML)**, blue gray, trace sands, organics | | | | | |
| | | | | | 2.8 | TB1-3 |
| | | 5 | | | 19.2 | TB1-5 |
| 7.0 | | | | | 0.1 | |
| 8.0 | **SAND (SP)**, gray, medium coarse grained sands, wet | | | | | |
| | **SILT (ML)**, gray, trace sands | | | | 0.1 | |
| | brown | | | | | |
| | gray | 10 | | | | |
| | | | | | 0.1 | TB1-11 |
| | | | | | 0.1 | |
| 15.0 | | 15 | | | 0.1 | TB1-15 |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 01-25-2021 | Boring Completed: 01-25-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-1

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB2



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | | LOCATION See Exhibit 2 | | | | | |
| | | **SILTY SAND (SM)**, brown/tan, with gravels | | | | 0.7 | |
| | | decrease sand content | | | | | |
| | | | | | | 3.7 | TB2-3 |
| | | wet | | | | | |
| | | | 5 | | | 3.4 | |
| | | 3" of coarse sands | | | | | |
| | 7.0 | | | | | | |
| | | **SILT (ML)**, brown, trace sands | | | | 13.4 | TB2-7 |
| | | gray | | | | 5.2 | |
| | | | 10 | | | | |
| | | wet | | | | 0.6 | TB2-11 |
| | | brown, dry | | | | | |
| | | gray | | | | 0.3 | |
| | 15.0 | | | | | | |
| | | ***Boring Terminated at 15 Feet*** | 15 | | | 0.4 | TB2-15 |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 01-25-2021 | Boring Completed: 01-25-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-2

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB3



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | | LOCATION See Exhibit 2 | | | | | |
| | | **SILTY SAND (SM)**, brown/tan, with gravels | | | | | |
| | 1.5 | | | | | 0.3 | |
| | | **SILT (ML)**, gray/brown, trace sands | | | | | |
| | | sand lens | | | | 0.9 | TB3-3 |
| | | brown, wet | 5 | | | 0.2 | TB3-5 |
| | | | | | | 0.6 | |
| | | | | | | 0.3 | |
| | | | 10 | | | | |
| | | gray | | | | 0.3 | TB3-11 |
| | | | | | | 0.3 | |
| | 15.0 | | | | | 0.2 | TB3-15 |
| | | ***Boring Terminated at 15 Feet*** | 15 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 01-25-2021 | Boring Completed: 01-25-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-3

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB4



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **SILTY SAND (SM)**, brown, with gravels | | | | | |
| 1.0 | **SILT (ML)**, brown, trace sands | | | | 0.3 | |
| | gray | | | | 0.4 | TB4-3 |
| | 3" silty sand | 5 | | | 0.2 | |
| | 3" gray | | | | | |
| | sandy | | | | 0.2 | TB4-7 |
| | brown/gray, mottled | | | | | |
| | gray | | | | 0.2 | |
| | | 10 | | | | |
| | | | | | 0.2 | TB4-11 |
| | | | | | 0.2 | |
| 15.0 | | 15 | | | 0.2 | TB4-15 |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 01-25-2021 | Boring Completed: 01-25-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-4

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB5



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|
| | **SAND (SP)**, gray/brown | | |
| 1.0 | **SILT (ML)**, brown/gray, decreasing sand | 4.8 | |
| | | 13.3 | TB5-3 |
| | 3" gravel | 12.5 | |
| | gray | 53.9 | TB5-7 |
| | brown, mottling | 33.1 | |
| | | 19.2 | TB5-11 |
| | gray | 31.2 | |
| | | 234.3 | TB5-15 |
| | | 32.8 | |
| | | 0.5 | TB5-17 |
| | | 0.3 | |
| 20.0 | | 0.2 | TB5-20 |
| | ***Boring Terminated at 20 Feet*** | | |

DEPTH (ft): 5, 10, 15, 20

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 01-25-2021 | Boring Completed: 01-25-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-5

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB6



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **SILTY SAND (SM)**, brown/tan, with gravels | | | | | |
| 1.0 | **SILT (ML)**, brown/gray, trace sands | | | | 0.3 | |
| | | | | | 0.6 | |
| | gray | 5 | | | | |
| | | | | | 0.4 | TB6-5 |
| | coarse gray sand lens<br>wet | | | | | |
| | | | | | 0.4 | |
| | | | | | 0.4 | TB6-9 |
| | | 10 | | | | |
| | | | | | 4.1 | |
| | 2" sandy lens | | | | | |
| | gray, dry | | | | 6.7 | TB6-13 |
| | | 15 | | | | |
| | | | | | 10.3 | |
| | | | | | 39.1 | TB6-16 |
| | | | | | 4.0 | TB6-17 |
| | | | | | 0.4 | |
| 20.0 | | | | | 0.5 | TB6-20 |
| | ***Boring Terminated at 20 Feet*** | 20 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 01-25-2021 | Boring Completed: 01-25-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-6

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB7



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **SILTY SAND (SM)**, brown, with gravels | | | | | |
| | gray | | | | 1.2 | |
| | | | | | 6.4 | TB7-3 |
| 5.5 | | 5 | | | 10.1 | |
| | **SILT (ML)**, brown/gray, trace organics | | | | | |
| 7.5 | | | | | 13.2 | TB7-7 |
| 8.0 | **SILTY SAND (SM)**, gray, wet | | | | | |
| | **SILT (ML)**, gray | | | | 8.2 | |
| | tan with orange and gray mottling | 10 | | | 7.3 | |
| | no mottling | | | | 1.7 | TB7-13 |
| 15.0 | gray | 15 | | | 0.6 | TB7-15 |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-7

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB8



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **POORLY GRADED SAND (SP)**, brown, some silt and gravel | | | | | |
| 1.0 | **SILTY SAND (SM)**, gray | | | | 1.6 | |
| | 3" increased sand content | | | | | |
| | | | | | 74.4 | TB8-3 |
| 5.0 | **SILT (ML)**, gray | 5 | | | 118.0 | |
| | | | | | 27.0 | TB8-7 |
| | tan | | | | | |
| 8.5 | | | | | | |
| 9.0 | **SILTY SAND (SM)**, gray, wet | | | | | |
| | **SILT (ML)**, tan | | | | 11.9 | |
| | wet | 10 | | | | |
| | | | | | 7.1 | |
| | gray | | | | | |
| | | | | | 6.5 | |
| | | | | | 4.6 | TB8-14 |
| 15.0 | | 15 | | | | |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-8

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB9



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0.5 | **POORLY GRADED SAND (SP)**, brown | | | | | |
| | **SILTY SAND (SM)**, gray, with gravels | | | | 1.6 | |
| | brown | | | | | |
| | | | | | 12.7 | TB9-3 |
| 5.0 | | 5 | | | | |
| | **SANDY SILT (ML)**, gray | | | | 9.2 | TB9-5 |
| | | | | | 1.8 | |
| | | | | | 1.2 | |
| 10.0 | | 10 | | | | |
| | **SILT (ML)**, tan | | | | | |
| | gray | | | | 1.1 | TB9-11 |
| | | | | | 0.8 | TB9-13 |
| 15.0 | | 15 | | | | |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-9

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB10



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0.5 | **POORLY GRADED SAND (SP)**, brown, with gravel | | | | | |
| | **SILTY SAND (SM)**, gray | | | | 0.7 | |
| | brown | | | | | |
| | gray | | | | 3.0 | TB10-3 |
| 5.0 | | 5 | | | | |
| | **SILT (ML)**, gray | | | | 0.6 | |
| | tan | | | | 0.7 | |
| | wet | | | | 0.6 | TB10-9 |
| | moist | 10 | | | | |
| | gray | | | | 0.7 | |
| | | | | | 0.5 | |
| 15.0 | | 15 | | | 0.6 | TB10-15 |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-10

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB11



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0.5 | **POORLY GRADED SAND (SP)**, brown | | | | | |
| | **SILTY SAND (SM)**, gray | | | | 1.2 | |
| | black | | | | | |
| | woody organics | | | | 2.2 | |
| | | 5 | | | | |
| | | | | | 1.8 | TB11-5 |
| | tan, interlayered wet and moist lenses to 8' | | | | 0.9 | |
| 8.0 | | | | | | |
| | **SILT (ML)**, tan | | | | 1.0 | TB11-9 |
| | | 10 | | | | |
| | | | | | 0.7 | |
| | gray | | | | | |
| | | | | | 0.8 | |
| | | | | | 1.3 | TB11-14 |
| 15.0 | | 15 | | | | |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-11

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB12



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|
| 0.5 | **POORLY GRADED SAND (SP)**, brown | | |
| | **SILTY SAND (SM)**, gray brown and gray | 3.3 | |
| | | 4.6 | TB12-3 |
| 5.5 | | 4.2 | |
| | **SILT (ML)**, brown | 4.2 | TB12-7 |
| | mottled tan and gray | 2.6 | TB12-11 |
| | | 1.1 | |
| 15.0 | | 1.2 | TB12-14 |
| | ***Boring Terminated at 15 Feet*** | | |

DEPTH (ft): 5, 10, 15

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-12

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB13



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **POORLY GRADED SAND (SP)**, brown, with gravel | | | | | |
| 1.0 | | | | | | |
| 1.5 | **SANDY SILT (ML)**, tan | | | | 388.6 | |
| 2.3 | **SILT (ML)**, gray | | | | | |
| 2.8 | **SILTY SAND (SP)**, 6" of brown silty sand with organics | | | | | |
| | **SILT (ML)**, gray | | | | 422.1 | TB13-3 |
| 5.0 | | 5 | | | | |
| | ***Boring Terminated at 5 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-13

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB14



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0.5 | **POORLY GRADED SAND (SP)**, brown | | | | | |
| 1.0 | **SILT (ML)**, gray | | | | | |
| | **SILTY SAND (SM)**, tan, orange mottling | | | | 1.0 | |
| | | | | | 1.4 | TB14-3 |
| | | 5 | | | 7.7 | TB14-5 |
| | gray | | | | | |
| 10.0 | | | | | | |
| | **SILT (ML)**, gray, orange mottling | 10 | | | | |
| | | | | | 0.7 | TB14-11 |
| | no mottling | | | | | |
| | | | | | 0.8 | |
| 15.0 | | 15 | | | | |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-14

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB15



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **POORLY GRADED SAND (SP)**, brown, with gravel | | | | | |
| | tan | | | | 1.6 | |
| | gray | | | | 3.5 | TB15-2 |
| 5.0 | | 5 | | | | |
| | **SILTY SAND (SM)**, brown | | | | 16.7 | TB15-5 |
| 6.5 | wood organics | | | | 6.4 | |
| | gray sand | | | | | |
| | **SILT (ML)**, gray | 10 | | | 15.3 | |
| | | | | | 1.0 | TB15-13 |
| 15.0 | | 15 | | | | |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-15

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB16



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **SILTY SAND (SM)**, interlayered brown and gray | | | | | |
| | | | | | 0.6 | |
| | organics | | | | 0.9 | |
| | | 5 | | | | |
| | | | | | 1.1 | TB16-5 |
| | 1" layer of wood organics | | | | | |
| 7.0 | | | | | | |
| | **POORLY GRADED SAND (SP)**, gray | | | | 1.3 | |
| 10.0 | | 10 | | | | |
| | **SILT (ML)**, gray | | | | 0.7 | TB16-11 |
| | | | | | 0.8 | |
| 15.0 | | 15 | | | | |
| | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-16

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB17



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|
| 0.5 | **POORLY GRADED SAND (SP)**, brown | | |
| | **SILTY SAND (SM)**, brown, interlayered gray and brown | 112.1 | |
| | | 729.0 | |
| | brown | 931.8 | TB17-5 |
| 6.5 | **SILT (ML)**, gray | 576.2 | |
| | | 733.5 | TB17-9 |
| | | 661.5 | |
| | | 49.2 | TB17-13 |
| | | 44.3 | |
| | | 3.0 | TB17-18 |
| 20.0 | ***Boring Terminated at 20 Feet*** | | |

DEPTH (ft): 5, 10, 15, 20

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-17

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB18



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **POORLY GRADED SAND (SP)**, brown | | | | | |
| | interlayered gray and brown | | | | 4408 | TB18-1 |
| | | | | | 1337 | |
| | | 5 | | | 659.3 | |
| | | | | | 136.4 | TB18-7 |
| 10.0 | | | | | | |
| | **SILT (ML)**, tan | 10 | | | | |
| | | | | | 31.9 | |
| | gray | | | | 22.8 | TB18-13 |
| | | 15 | | | | |
| | | | | | 60.3 | |
| | | | | | 22.5 | TB18-18 |
| 20.0 | | | | | | |
| | ***Boring Terminated at 20 Feet*** | 20 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 04-15-2021 | Boring Completed: 04-15-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-18

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB19



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | | LOCATION See Exhibit 2 | | | | | |
| | | **FILL - POORLY GRADED SAND (SP)**, tan, some gravel | | | | | |
| | | white powder from rememdial ammendement, odor | 5 | | | | |
| | 9.0 | **SILT (ML)**, gray | | | | | |
| | | | 10 | | | 0.7 | TB19-12 |
| | | | | | | 0.8 | |
| | 15.0 | ***Boring Terminated at 15 Feet*** | 15 | | | 0.6 | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

| | |
|---|---|
| Boring Started: 07-01-2021 | Boring Completed: 07-01-2021 |
| Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc. |
| Project No.: 81207449 | Exhibit: B-19 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB20



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | | LOCATION See Exhibit 2 | | | | | |
| | | **FILL - POORLY GRADED SAND (SP)**, tan, some gravel | 5 | | | | |
| | 11.5 | wet | 10 | | | | |
| | | **SILT (ML)**, gray, moist | 15 | | | | |
| | | | | | | 2.7 | TB20-16 |
| | | | | | | 1.3 | |
| | 20.0 | | | | | 1.0 | |
| | | ***Boring Terminated at 20 Feet*** | 20 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 07-01-2021 | Boring Completed: 07-01-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-20

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB21



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | | **FILL - POORLY GRADED SAND (SP)**, tan, some gravel | | | | | |
| | 5.0 | **SILT (ML)**, gray | 5 | | | | |
| | 6.5 | **SILTY SAND (SM)**, tan, wet | | | | | |
| | 7.5 | **SILT (ML)**, tan, moist | | | | | |
| | | gray | 10 | | | 0.9 | TB21-12 |
| | | | | | | 0.9 | |
| | | | | | | 0.9 | |
| | 15.0 | ***Boring Terminated at 15 Feet*** | 15 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 07-01-2021 | Boring Completed: 07-01-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-21

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB22



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **POORLY GRADED SAND (SP)**, tan, some gravel | | | | | |
| 12.0 | **SILT (ML)**, gray | 5 | | | | |
| | | 10 | | | | |
| | | 15 | | | 1.3 | TB22-15 |
| | | | | | 1.0 | |
| 20.0 | | 20 | | | 0.6 | |
| | ***Boring Terminated at 20 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 07-01-2021 | Boring Completed: 07-01-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-22

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB23



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| | **FILL - POORLY GRADED SAND (SP)**, tan, some gravel | | | | | |
| 10.5 | wet<br>gray<br>**SILT (ML)**, gray, moist | 5<br>10 | | | 64.4 | |
| | | 15 | | | 1.0 | TB23-16 |
| 20.0 | ***Boring Terminated at 20 Feet*** | 20 | | | 0.8 | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 07-01-2021 | Boring Completed: 07-01-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-23

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB24



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | | **FILL - POORLY GRADED SAND (SP)**, tan, some gravel | | | | | |
| | 5.0 | | 5 | | | | |
| | | **SILTY SAND (SM)**, gray, wet | | | | | |
| | 6.5 | tan | | | | | |
| | | **SILT (ML)**, tan, moist | | | | | |
| | | | 10 | | | | |
| | | | | | | 0.7 | TB24-11 |
| | | gray | | | | 0.8 | |
| | 15.0 | | 15 | | | 0.6 | |
| | | ***Boring Terminated at 15 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 07-01-2021 | Boring Completed: 07-01-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-24

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB25



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | | **POORLY GRADED SAND (SP)**, tan, some gravel | | | | | |
| | 2.0 | **SILTY SAND (SM)**, tan | | | | | |
| | 5.0 | | 5 | | | | |
| | 5.5 | **SILT (ML)**, gray | | | | 2.2 | TB25-5 |
| | | **SILTY SAND (SM)**, tan | | | | | |
| | | gray, wet | | | | 1.0 | |
| | 10.0 | | 10 | | | | |
| | | ***Boring Terminated at 10 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 07-01-2021 | Boring Completed: 07-01-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-25

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB26



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | | **POORLY GRADED SAND (SP)**, tan, some gravel | | | | | |
| | 1.0 | **SANDY SILT (ML)**, tan | | | | | |
| | | brown | 5 | | | 0.8 | TB26-5 |
| | | some gravel | | | | | |
| | | wet | | | | 0.5 | |
| | 10.0 | | 10 | | | | |
| | | ***Boring Terminated at 10 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 07-01-2021 | Boring Completed: 07-01-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-26

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB27



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | 0.3 | **ASPHALT** | | | | | |
| | 1.0 | **POORLY GRADED SAND (SP)**, brown, with gravel | | | | | |
| | | **SANDY SILT (ML)**, tan and gray | | | | | |
| | | | 5 | | | | |
| | | | | | | 0.8 | TB27-5 |
| | | orange | | | | | |
| | 7.5 | | | | | | |
| | | **POORLY GRADED SAND (SP)**, gray, wood organics | | | | | |
| | | | | | | 0.8 | |
| | 10.0 | | 10 | | | | |
| | | ***Boring Terminated at 10 Feet*** | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 07-01-2021 | Boring Completed: 07-01-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-27

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# BORING LOG NO. TB28



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| | | **POORLY GRADED SAND (SP)**, tan, some gravel | | | | | |
| | 1.5 | **SANDY SILT (ML)**, gray | 5 | | | | |
| | 7.0 | **SILT (ML)**, tan | 10 | | | | |
| | | gray | | | | 1.0 | TB28-12 |
| | | | | | | 0.6 | |
| | 15.0 | ***Boring Terminated at 15 Feet*** | 15 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Boring Started: 07-01-2021 | Boring Completed: 07-01-2021

Drill Rig: Geoprobe 7800 | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: B-28

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS.GPJ TERRACON_DATATEMPLATE.GDT 10/4/21

# WELL LOG NO. MW-11



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION | INSTALLATION DETAILS (Well Completion: Monument) |
|---|---|---|
| 0.3 | **ASPHALT** | Well monument |
| | **SANDY SILT (ML)**, gray and tan, poor recovery | Blank 2" PVC pipe with bentonite seal |
| | tan | Slotted 2" PVC pipe with sand filter prepack |
| 12.0 | | |
| 13.0 | **SAND (SP)**, gray, wet | |
| | **SILT (ML)**, gray, moist | |
| | no recovery | Bentonite |
| 20.0 | ***Boring Terminated at 20 Feet*** | |

| DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|
| 5 | | | | |
| 10 | ▽ | | 0.0 | |
| 15 | | | 0.0 | MW11-13 |
| 20 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

▽ *water-bearing soil*

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Well Started: 11-24-2021
Well Completed: 11-24-2021
Drill Rig: Geoprobe 7822DT
Driller: Holt Services, Inc.
Project No.: 81207449
Exhibit: MW-1

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS MW11-MW14.GPJ TERRACON_DATATEMPLATE.GDT 10/25/22

# WELL LOG NO. MW-12



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

LOCATION See Exhibit 2

| DEPTH | MATERIAL DESCRIPTION |
|---|---|
| 0.5 | **SANDY GRAVEL (GW)**, brown |
| | **SANDY SILT (ML)**, gray and brown |
| 6.5 | **SAND (SP)**, gray, wet |
| 8.0 | **SILT (ML)**, gray, moist |
| | hard |
| 20.0 | ***Boring Terminated at 20 Feet*** |

INSTALLATION DETAILS

Well Completion: Monument

Well monument

Blank 2" PVC pipe with bentonite seal

Slotted 2" PVC pipe with sand filter prepack

Bentonite

| DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|
| 5 | ▽ | | 0.0 | |
| | | | 0.0 | |
| 10 | | | 0.0 | |
| | | | 0.0 | MW12-10 |
| 15 | | | | |
| | | | 0.0 | |
| 20 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

▽ *water-bearing soil*

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Well Started: 11-24-2021

Well Completed: 11-24-2021

Drill Rig: Geoprobe 7822DT

Driller: Holt Services, Inc.

Project No.: 81207449

Exhibit: MW-2

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS MW11-MW14.GPJ TERRACON_DATATEMPLATE.GDT 10/25/22

# WELL LOG NO. MW-13



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

| GRAPHIC LOG | DEPTH | MATERIAL DESCRIPTION | INSTALLATION DETAILS | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|
| LOCATION See Exhibit 2 | | | Well Completion: Monument | | | | | |
| | 0 | | Well monument | | | | | |
| | 0.5 | **FILL - SILTY SAND WITH GRAVEL (SM)**, brown | | | | | | |
| | | **FILL - SAND (SP)**, tan | Blank 2" PVC pipe with bentonite seal | 5 | | | | |
| | | wet, increasing gravel | | 10 | ▽ | | | |
| | 11.5 | moist | | | | | | |
| | | **SILT (ML)**, gray, moist | Slotted 2" PVC pipe with sand filter prepack | | | | 226.4 | |
| | | | | 15 | | | | |
| | | | | | | | 7.4 | MW13-16 |
| | 17.5 | ***Boring Terminated at 17.5 Feet*** | | | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

▽ *water-bearing soil*

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

Well Started: 11-24-2021 | Well Completed: 11-24-2021

Drill Rig: Geoprobe 7822DT | Driller: Holt Services, Inc.

Project No.: 81207449 | Exhibit: MW-3

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS MW11-MW14.GPJ TERRACON_DATATEMPLATE.GDT 10/25/22

# WELL LOG NO. MW-14



**PROJECT:** View Ridge Plaza

**CLIENT:** Catalyst Capitol
Washington, D.C.

**SITE:** 220 Olympic Blvd
Everett, WA

| DEPTH | MATERIAL DESCRIPTION | INSTALLATION DETAILS (Well Completion: Monument) | DEPTH (ft) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | OVA/PID (ppm) | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|
| LOCATION See Exhibit 2 | | | | | | | |
| 0.3 | **ASPHALT** | Well monument | | | | | |
| 0.8 | **AGGREGATE BASE COURSE** | Blank 2" PVC pipe with bentonite seal | | | | 0.0 | |
| | **SANDY SILT (SM)**, tan | | 5 | | | | |
| | | | | | | 0.0 | MW14-5 |
| | | Slotted 2" PVC pipe with sand filter prepack | | | | | |
| 10.0 | **SILT (ML)**, tan | | 10 | | | | |
| | gray, hard | | | | | | |
| | | Bentonite | 15 | | | | |
| 20.0 | ***Boring Terminated at 20 Feet*** | | 20 | | | | |

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct push

Abandonment Method:

Notes:

**WATER LEVEL OBSERVATIONS**

*Groundwater not encountered*

Terracon
21905 64th Ave W, Ste 100
Mountlake Terrace, WA

| | |
|---|---|
| Well Started: 11-24-2021 | Well Completed: 11-24-2021 |
| Drill Rig: Geoprobe 7822DT | Driller: Holt Services, Inc. |
| Project No.: 81207449 | Exhibit: MW-4 |

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 81207449 SOIL BORING LOGS MW11-MW14.GPJ TERRACON_DATATEMPLATE.GDT 10/25/22

# APPENDIX D – ANALYTICAL REPORTS

August 4, 2020

Mr. Matt Wheaton
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Wheaton,

On July 28th, 9 samples were received by our laboratory and assigned our laboratory project number EV20070113. The project was identified as your 81197152. 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



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-01 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 2:50:00 PM |
| CLIENT SAMPLE ID | MW1 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | **0.25** | 0.20 | 1 | UG/L | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **3.1** | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-01 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 2:50:00 PM |
| CLIENT SAMPLE ID | MW1 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **99.7** | 07/31/2020 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **97.0** | 07/31/2020 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 1:35:00 PM |
| CLIENT SAMPLE ID | MW2 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |



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## CERTIFICATE OF ANALYSIS

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-02 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 1:35:00 PM |
| CLIENT SAMPLE ID | MW2 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **100** | 07/31/2020 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **97.8** | 07/31/2020 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-03 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 1:00:00 PM |
| CLIENT SAMPLE ID | MW3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-03 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 1:00:00 PM |
| CLIENT SAMPLE ID | MW3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 07/31/2020 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **99.4** | 07/31/2020 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-04 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 11:25:00 AM |
| CLIENT SAMPLE ID | MW4 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |



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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-04 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 11:25:00 AM |
| CLIENT SAMPLE ID | MW4 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **100** | 07/31/2020 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **96.8** | 07/31/2020 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-05 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 11:55:00 AM |
| CLIENT SAMPLE ID | MW5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-05 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 11:55:00 AM |
| CLIENT SAMPLE ID | MW5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 07/31/2020 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **98.9** | 07/31/2020 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-06 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 10:00:00 AM |
| CLIENT SAMPLE ID | MW6 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-06 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 10:00:00 AM |
| CLIENT SAMPLE ID | MW6 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 07/31/2020 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **98.9** | 07/31/2020 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-07 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 12:20:00 PM |
| CLIENT SAMPLE ID | MW8 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-07 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 12:20:00 PM |
| CLIENT SAMPLE ID | MW8 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 07/31/2020 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **99.1** | 07/31/2020 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-08 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 10:50:00 AM |
| CLIENT SAMPLE ID | MW9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-08 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 10:50:00 AM |
| CLIENT SAMPLE ID | MW9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 07/31/2020 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **97.4** | 07/31/2020 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-09 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 9:25:00 AM |
| CLIENT SAMPLE ID | MW10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 8/4/2020<br>EV20070113<br>EV20070113-09 |
| CLIENT CONTACT: | Matt Wheaton | DATE RECEIVED: | 07/28/2020 |
| CLIENT PROJECT: | 81197152 | COLLECTION DATE: | 7/28/2020 9:25:00 AM |
| CLIENT SAMPLE ID | MW10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/31/2020 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 07/31/2020 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **98.2** | 07/31/2020 | DLC |

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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Matt Wheaton
CLIENT PROJECT: 81197152

DATE: 8/4/2020
ALS SDG#: EV20070113
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-073120W - Batch 156003 - Water by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Chloromethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Vinyl Chloride | EPA-8260 | U | UG/L | 0.20 | 07/31/2020 | DLC |
| Bromomethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Chloroethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Methylene Chloride | EPA-8260 | U | UG/L | 5.0 | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Bromochloromethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Chloroform | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Trichloroethene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Dibromomethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Bromodichloromethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Toluene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Tetrachloroethylene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Dibromochloromethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | UG/L | 0.010 | 07/31/2020 | DLC |
| Chlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Bromoform | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Bromobenzene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 8/4/2020 |
| | | ALS SDG#: | EV20070113 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Matt Wheaton | | |
| CLIENT PROJECT: | 81197152 | | |

## LABORATORY BLANK RESULTS

### MB-073120W - Batch 156003 - Water by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | UG/L | 10 | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/31/2020 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043
CLIENT CONTACT: Matt Wheaton
CLIENT PROJECT: 81197152

DATE: 8/4/2020
ALS SDG#: EV20070113
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 156003 - Water by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **127** | | | 50 | 150 | 07/31/2020 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **121** | **5** | | 50 | 150 | 07/31/2020 | DLC |
| Chloromethane - BS | EPA-8260 | **113** | | | 50 | 150 | 07/31/2020 | DLC |
| Chloromethane - BSD | EPA-8260 | **116** | **3** | | 50 | 150 | 07/31/2020 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **112** | | | 50 | 150 | 07/31/2020 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **107** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Bromomethane - BS | EPA-8260 | **58.4** | | | 50 | 150 | 07/31/2020 | DLC |
| Bromomethane - BSD | EPA-8260 | **60.8** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Chloroethane - BS | EPA-8260 | **111** | | | 50 | 150 | 07/31/2020 | DLC |
| Chloroethane - BSD | EPA-8260 | **107** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **113** | | | 50 | 150 | 07/31/2020 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **109** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **123** | | | 50 | 150 | 07/31/2020 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **118** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **107** | | | 72.5 | 136 | 07/31/2020 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **103** | **4** | | 72.5 | 136 | 07/31/2020 | DLC |
| Methylene Chloride - BS | EPA-8260 | **91.8** | | | 50 | 150 | 07/31/2020 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **89.2** | **3** | | 50 | 150 | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **110** | | | 50 | 150 | 07/31/2020 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **105** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **108** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **104** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **107** | | | 50 | 150 | 07/31/2020 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **103** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **115** | | | 50 | 150 | 07/31/2020 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **109** | **5** | | 50 | 150 | 07/31/2020 | DLC |
| Bromochloromethane - BS | EPA-8260 | **100** | | | 50 | 150 | 07/31/2020 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **97.2** | **3** | | 50 | 150 | 07/31/2020 | DLC |
| Chloroform - BS | EPA-8260 | **108** | | | 50 | 150 | 07/31/2020 | DLC |
| Chloroform - BSD | EPA-8260 | **104** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **111** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **106** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **113** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **108** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **97.5** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **94.4** | **3** | | 50 | 150 | 07/31/2020 | DLC |
| Trichloroethene - BS | EPA-8260 | **104** | | | 74.4 | 141 | 07/31/2020 | DLC |
| Trichloroethene - BSD | EPA-8260 | **99.9** | **4** | | 74.4 | 141 | 07/31/2020 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/31/2020 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Matt Wheaton
CLIENT PROJECT: 81197152

DATE: 8/4/2020
ALS SDG#: EV20070113
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane - BSD | EPA-8260 | **102** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Dibromomethane - BS | EPA-8260 | **104** | | | 50 | 150 | 07/31/2020 | DLC |
| Dibromomethane - BSD | EPA-8260 | **101** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **104** | | | 50 | 150 | 07/31/2020 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **100** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **110** | | | 50 | 150 | 07/31/2020 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **106** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Toluene - BS | EPA-8260 | **109** | | | 71.7 | 139 | 07/31/2020 | DLC |
| Toluene - BSD | EPA-8260 | **105** | **4** | | 71.7 | 139 | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **107** | | | 50 | 150 | 07/31/2020 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **103** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **102** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **102** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **104** | | | 50 | 150 | 07/31/2020 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **107** | **3** | | 50 | 150 | 07/31/2020 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **108** | | | 50 | 150 | 07/31/2020 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **104** | **3** | | 50 | 150 | 07/31/2020 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **102** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **97.8** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Chlorobenzene - BS | EPA-8260 | **109** | | | 73 | 131 | 07/31/2020 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **105** | **4** | | 73 | 131 | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **102** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Bromoform - BS | EPA-8260 | **104** | | | 50 | 150 | 07/31/2020 | DLC |
| Bromoform - BSD | EPA-8260 | **101** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **96.4** | **9** | | 50 | 150 | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **99.3** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **93.0** | **7** | | 50 | 150 | 07/31/2020 | DLC |
| Bromobenzene - BS | EPA-8260 | **106** | | | 50 | 150 | 07/31/2020 | DLC |
| Bromobenzene - BSD | EPA-8260 | **99.9** | **6** | | 50 | 150 | 07/31/2020 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **108** | | | 50 | 150 | 07/31/2020 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **100** | **7** | | 50 | 150 | 07/31/2020 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **109** | | | 50 | 150 | 07/31/2020 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **101** | **7** | | 50 | 150 | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **109** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **102** | **6** | | 50 | 150 | 07/31/2020 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **109** | | | 50 | 150 | 07/31/2020 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 8/4/2020 |
| | | ALS SDG#: | EV20070113 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Matt Wheaton | | |
| CLIENT PROJECT: | 81197152 | | |

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **103** | **6** | | 50 | 150 | 07/31/2020 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **108** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **102** | **6** | | 50 | 150 | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **102** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **96.3** | **6** | | 50 | 150 | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **107** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **102** | **4** | | 50 | 150 | 07/31/2020 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **112** | | | 50 | 150 | 07/31/2020 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **105** | **6** | | 50 | 150 | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **105** | | | 50 | 150 | 07/31/2020 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **101** | **4** | | 50 | 150 | 07/31/2020 | DLC |

APPROVED BY

Laboratory Director



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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV20070113

Date 7/28/2020 Page 1 Of 1

PROJECT ID: 81197152
REPORT TO COMPANY: Terracon
PROJECT MANAGER: Matt Wheaton
ADDRESS: 21905 64th Ave W, Ste 100 Mountlake Terrace, WA 98043
PHONE: 425-771-3304 P.O. #:
E-MAIL: matt.wheaton@terracon.com
INVOICE TO COMPANY: SAME
ATTENTION:
ADDRESS:

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify) | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. MW1 | 7/28/2020 | 1450 | GW | 1 | | | | | | X | | | | | | | | | | | 3 | |
| 2. MW2 | | 1335 | | 2 | | | | | | X | | | | | | | | | | | 3 | |
| 3. MW3 | | 1300 | | 3 | | | | | | X | | | | | | | | | | | 3 | |
| 4. MW4 | | 1125 | | 4 | | | | | | X | | | | | | | | | | | 3 | |
| 5. MW5 | | 1155 | | 5 | | | | | | X | | | | | | | | | | | 3 | |
| 6. MW6 | | 1000 | | 6 | | | | | | X | | | | | | | | | | | 3 | |
| 7. MW8 | | 1220 | | 7 | | | | | | X | | | | | | | | | | | 3 | |
| 8. MW9 | | 1050 | | 8 | | | | | | X | | | | | | | | | | | 3 | |
| 9. MW10 | | 0925 | | 9 | | | | | | X | | | | | | | | | | | 3 | |
| 10. | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS cc: jeff.dobbins@terracon.com

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Jeff Dobbins, Terracon, 7/28/2020 1530
   Received By: [signature] ALS 7/28/20 15:30
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

February 8, 2021

Mr. Kyle Bennett
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett,

On January 26th, 54 samples were received by our laboratory and assigned our laboratory project number EV21010186. The project was identified as your 81207449. 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



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 9:45:00 AM |
| CLIENT SAMPLE ID | TB1-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.16** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **2.4** | 0.027 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 9:45:00 AM |
| CLIENT SAMPLE ID | TB1-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **102** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **104** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **99.4** | 01/27/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 9:45:00 AM |
| CLIENT SAMPLE ID | TB1-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.62** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.010** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **9.6** | 0.26 | 10 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 2/8/2021<br>EV21010186<br>EV21010186-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 9:45:00 AM |
| CLIENT SAMPLE ID | TB1-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **107** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **104** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **105** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **101** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **100** | 01/28/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 9:50:00 AM |
| CLIENT SAMPLE ID | TB1-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 9:50:00 AM |
| CLIENT SAMPLE ID | TB1-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **117** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **105** | 01/27/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-06 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 10:00:00 AM |
| CLIENT SAMPLE ID | TB1-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-06 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 10:00:00 AM |
| CLIENT SAMPLE ID | TB1-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **114** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **118** | 01/27/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-08 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 10:00:00 AM |
| CLIENT SAMPLE ID | TB1-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-08 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 10:00:00 AM |
| CLIENT SAMPLE ID | TB1-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **116** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **118** | 01/27/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-10 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 10:40:00 AM |
| CLIENT SAMPLE ID | TB2-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.012** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.011** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.41** | 0.024 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-10 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 10:40:00 AM |
| CLIENT SAMPLE ID | TB2-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **108** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **108** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **112** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **98.5** | 01/28/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-12 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 10:45:00 AM |
| CLIENT SAMPLE ID | TB2-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.57** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **15** | 0.25 | 10 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-12 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 10:45:00 AM |
| CLIENT SAMPLE ID | TB2-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **95.9** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **98.2** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **102** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **105** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **97.2** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **97.5** | 01/28/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-14 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:50:00 PM |
| CLIENT SAMPLE ID | TB2-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.068** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.065** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **4.4** | 0.035 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-14 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:50:00 PM |
| CLIENT SAMPLE ID | TB2-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **95.4** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **110** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **116** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **97.8** | 01/28/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-16 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:50:00 PM |
| CLIENT SAMPLE ID | TB2-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-16 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:50:00 PM |
| CLIENT SAMPLE ID | TB2-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **105** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **110** | 01/27/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-18 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 11:25:00 AM |
| CLIENT SAMPLE ID | TB3-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.48** | 0.025 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-18 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 11:25:00 AM |
| CLIENT SAMPLE ID | TB3-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **102** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **107** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **105** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **101** | 01/28/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-20 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 11:30:00 AM |
| CLIENT SAMPLE ID | TB3-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-20 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 11:30:00 AM |
| CLIENT SAMPLE ID | TB3-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **107** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **103** | 01/27/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-22 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 11:40:00 AM |
| CLIENT SAMPLE ID | TB3-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-22 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 11:40:00 AM |
| CLIENT SAMPLE ID | TB3-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **108** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **115** | 01/27/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-24 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 11:45:00 AM |
| CLIENT SAMPLE ID | TB3-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-24 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 11:45:00 AM |
| CLIENT SAMPLE ID | TB3-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **111** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **108** | 01/27/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-26 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 12:30:00 PM |
| CLIENT SAMPLE ID | TB4-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-26 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 12:30:00 PM |
| CLIENT SAMPLE ID | TB4-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **108** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **119** | 01/27/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-28 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 12:35:00 PM |
| CLIENT SAMPLE ID | TB4-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-28 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 12:35:00 PM |
| CLIENT SAMPLE ID | TB4-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **111** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 01/27/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-30 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 12:40:00 PM |
| CLIENT SAMPLE ID | TB4-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-30 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 12:40:00 PM |
| CLIENT SAMPLE ID | TB4-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **115** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **105** | 01/27/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-32 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 12:40:00 PM |
| CLIENT SAMPLE ID | TB4-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-32 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 12:40:00 PM |
| CLIENT SAMPLE ID | TB4-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **109** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **123 SQ2** | 01/27/2021 | DLC |

SQ2 - Spike outside of control limits due to matrix effect.
U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-34 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 1:40:00 PM |
| CLIENT SAMPLE ID | TB5-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.18** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **1.2** | 0.030 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-34 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 1:40:00 PM |
| CLIENT SAMPLE ID | TB5-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **93.9** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **112** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **90.8** | 01/28/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-36 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 1:45:00 PM |
| CLIENT SAMPLE ID | TB5-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.70** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | **0.010** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.027** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **15** | 0.28 | 10 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 2/8/2021<br>EV21010186<br>EV21010186-36 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 1:45:00 PM |
| CLIENT SAMPLE ID | TB5-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **99.2** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.2** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **104** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **108** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **94.1** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **96.6** | 01/28/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-38 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 1:50:00 PM |
| CLIENT SAMPLE ID | TB5-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.069** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.083** | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **3.0** | 0.056 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/27/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-38 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 1:50:00 PM |
| CLIENT SAMPLE ID | TB5-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/27/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **102** | 01/27/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **109** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **102** | 01/27/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **97.8** | 01/28/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-40 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 1:50:00 PM |
| CLIENT SAMPLE ID | TB5-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.70** | 0.031 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | **2.7** | 0.029 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **69** | 3.4 | 100 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 2/8/2021<br>EV21010186<br>EV21010186-40 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 1:50:00 PM |
| CLIENT SAMPLE ID | TB5-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene (ZHE) | EPA-8260/1311 | **0.23** | 0.0050 | 1 | MG/L | 02/04/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **98.7** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 100X Dilution | EPA-8260 | **114** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **93.8** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **90.6** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene 100X Dilution | EPA-8260 | **101** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260/1311 | **95.5** | 02/04/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-42 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 2:15:00 PM |
| CLIENT SAMPLE ID | TB5-17 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.018** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-42 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 2:15:00 PM |
| CLIENT SAMPLE ID | TB5-17 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **105** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **103** | 01/28/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-43 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 2:15:00 PM |
| CLIENT SAMPLE ID | TB5-20 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-43 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 2:15:00 PM |
| CLIENT SAMPLE ID | TB5-20 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **109** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **127 SQ2** | 01/28/2021 | DLC |

SQ2 - Spike outside of control limits due to matrix effect.
U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-46 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:35:00 PM |
| CLIENT SAMPLE ID | TB6-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-46 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:35:00 PM |
| CLIENT SAMPLE ID | TB6-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **107** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **120** | 01/28/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-48 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:35:00 PM |
| CLIENT SAMPLE ID | TB6-9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-48 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:35:00 PM |
| CLIENT SAMPLE ID | TB6-9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **106** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **116** | 01/28/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-51 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:25:00 PM |
| CLIENT SAMPLE ID | TB6-16 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.63** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | **0.019** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.038** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **30** | 0.28 | 10 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.071** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 2/8/2021<br>EV21010186<br>EV21010186-51 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:25:00 PM |
| CLIENT SAMPLE ID | TB6-16 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **95.1** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.1** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **106** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **123** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **94.0** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **100** | 01/28/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-52 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:25:00 PM |
| CLIENT SAMPLE ID | TB6-17 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **3.9** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **4.0** | 0.033 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-52 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:25:00 PM |
| CLIENT SAMPLE ID | TB6-17 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride (ZHE) | EPA-8260/1311 | **0.021** | 0.0050 | 1 | MG/L | 02/04/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **96.3** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **98.8** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **115** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **98.0** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260/1311 | **86.5** | 02/04/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-53 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:25:00 PM |
| CLIENT SAMPLE ID | TB6-20 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-53 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:25:00 PM |
| CLIENT SAMPLE ID | TB6-20 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **108** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **129 SQ2** | 01/28/2021 | DLC |

SQ2 - Spike outside of control limits due to matrix effect.
U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS JOB#: | EV21010186 |
| | | ALS SAMPLE#: | EV21010186-54 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:15:00 PM |
| CLIENT SAMPLE ID | TB6-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.63** | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **20** | 0.33 | 10 | MG/KG | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 2/8/2021<br>EV21010186<br>EV21010186-54 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 01/26/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 1/25/2021 3:15:00 PM |
| CLIENT SAMPLE ID | TB6-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 01/28/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **95.3** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 01/28/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **107** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **107** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **96.5** | 01/28/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **98.8** | 01/28/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 2/8/2021
ALS SDG#: EV21010186
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-012621S - Batch 162071 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 01/26/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Toluene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 01/26/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 2/8/2021
ALS SDG#: EV21010186
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-012621S - Batch 162071 - Soil by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 01/26/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/26/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MB-012721S - Batch 162078 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Toluene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
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Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 2/8/2021
ALS SDG#: EV21010186
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-012721S - Batch 162078 - Soil by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/27/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MB-012721S2 - Batch 162106 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS SDG#: | EV21010186 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Kyle Bennett | | |
| CLIENT PROJECT: | 81207449 | | |

## LABORATORY BLANK RESULTS

### MB-012721S2 - Batch 162106 - Soil by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Toluene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 01/28/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 01/28/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R377728 - Batch R377728 - TCLP Extract by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Vinyl Chloride (ZHE) | EPA-8260/1311 | U | MG/L | 0.0050 | 02/04/2021 | DLC |
| 1,1-Dichloroethene (ZHE) | EPA-8260/1311 | U | MG/L | 0.0050 | 02/04/2021 | DLC |
| Tetrachloroethylene (ZHE) | EPA-8260/1311 | U | MG/L | 0.0050 | 02/04/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 2/8/2021
ALS SDG#: EV21010186
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 162071 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **88.3** | | | 50 | 150 | 01/26/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **82.3** | **7** | | 50 | 150 | 01/26/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **101** | | | 50 | 150 | 01/26/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **97.8** | **3** | | 50 | 150 | 01/26/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **100** | | | 50 | 150 | 01/26/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **97.3** | **3** | | 50 | 150 | 01/26/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **124** | | | 50 | 150 | 01/26/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **121** | **2** | | 50 | 150 | 01/26/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **111** | | | 50 | 150 | 01/26/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **111** | **1** | | 50 | 150 | 01/26/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **105** | | | 50 | 150 | 01/26/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **101** | **4** | | 50 | 150 | 01/26/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **107** | | | 50 | 150 | 01/26/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **102** | **4** | | 50 | 150 | 01/26/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **102** | | | 70 | 130 | 01/26/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **96.4** | **6** | | 70 | 130 | 01/26/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **114** | | | 50 | 150 | 01/26/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **107** | **7** | | 50 | 150 | 01/26/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **102** | | | 50 | 150 | 01/26/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **99.3** | **3** | | 50 | 150 | 01/26/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **101** | **2** | | 50 | 150 | 01/26/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **108** | | | 50 | 150 | 01/26/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **99.2** | **9** | | 50 | 150 | 01/26/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **101** | | | 50 | 150 | 01/26/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **96.7** | **4** | | 50 | 150 | 01/26/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **102** | | | 50 | 150 | 01/26/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **100** | **2** | | 50 | 150 | 01/26/2021 | DLC |
| Chloroform - BS | EPA-8260 | **111** | | | 50 | 150 | 01/26/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **105** | **5** | | 50 | 150 | 01/26/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **99.3** | **4** | | 50 | 150 | 01/26/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **104** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **99.2** | **5** | | 50 | 150 | 01/26/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **101** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **99.8** | **1** | | 50 | 150 | 01/26/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **99.3** | | | 75 | 136 | 01/26/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **95.8** | **4** | | 75 | 136 | 01/26/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **98.5** | | | 50 | 150 | 01/26/2021 | DLC |



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CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 2/8/2021
ALS SDG#: EV21010186
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane - BSD | EPA-8260 | **96.7** | **2** | | 50 | 150 | 01/26/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **106** | | | 50 | 150 | 01/26/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **102** | **4** | | 50 | 150 | 01/26/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **104** | | | 50 | 150 | 01/26/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **102** | **1** | | 50 | 150 | 01/26/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **101** | | | 50 | 150 | 01/26/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **94.8** | **6** | | 50 | 150 | 01/26/2021 | DLC |
| Toluene - BS | EPA-8260 | **104** | | | 71.6 | 122.1 | 01/26/2021 | DLC |
| Toluene - BSD | EPA-8260 | **103** | **1** | | 71.6 | 122.1 | 01/26/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **96.8** | | | 50 | 150 | 01/26/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **95.8** | **1** | | 50 | 150 | 01/26/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **112** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **111** | **1** | | 50 | 150 | 01/26/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **107** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **106** | **1** | | 50 | 150 | 01/26/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **106** | | | 50 | 150 | 01/26/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **105** | **0** | | 50 | 150 | 01/26/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **103** | | | 50 | 150 | 01/26/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **96.8** | **6** | | 50 | 150 | 01/26/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **104** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **103** | **2** | | 50 | 150 | 01/26/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **105** | | | 79 | 128 | 01/26/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **104** | **1** | | 79 | 128 | 01/26/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **107** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **105** | **3** | | 50 | 150 | 01/26/2021 | DLC |
| Bromoform - BS | EPA-8260 | **117** | | | 50 | 150 | 01/26/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **113** | **4** | | 50 | 150 | 01/26/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **100** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **98.4** | **2** | | 50 | 150 | 01/26/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **99.1** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **102** | **3** | | 50 | 150 | 01/26/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **101** | | | 50 | 150 | 01/26/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **97.9** | **4** | | 50 | 150 | 01/26/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **99.1** | | | 50 | 150 | 01/26/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **96.6** | **3** | | 50 | 150 | 01/26/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **100** | | | 50 | 150 | 01/26/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **98.3** | **2** | | 50 | 150 | 01/26/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **101** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **99.2** | **2** | | 50 | 150 | 01/26/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **98.1** | | | 50 | 150 | 01/26/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 2/8/2021
ALS SDG#: EV21010186
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **94.6** | **4** | | 50 | 150 | 01/26/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **106** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **104** | **2** | | 50 | 150 | 01/26/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **102** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **94.0** | **8** | | 50 | 150 | 01/26/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **100** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **101** | **0** | | 50 | 150 | 01/26/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **95.3** | | | 50 | 150 | 01/26/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **89.5** | **6** | | 50 | 150 | 01/26/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **101** | | | 50 | 150 | 01/26/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **103** | **2** | | 50 | 150 | 01/26/2021 | DLC |

### ALS Test Batch ID: 162078 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **89.7** | | | 50 | 150 | 01/27/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **86.9** | **3** | | 50 | 150 | 01/27/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **104** | | | 50 | 150 | 01/27/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **99.9** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **106** | | | 50 | 150 | 01/27/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **101** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **114** | | | 50 | 150 | 01/27/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **110** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **114** | | | 50 | 150 | 01/27/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **107** | **7** | | 50 | 150 | 01/27/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **105** | | | 50 | 150 | 01/27/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **101** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **108** | | | 50 | 150 | 01/27/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **104** | **3** | | 50 | 150 | 01/27/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **97.5** | | | 70 | 130 | 01/27/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **96.1** | **1** | | 70 | 130 | 01/27/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **104** | | | 50 | 150 | 01/27/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **110** | **5** | | 50 | 150 | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **100** | | | 50 | 150 | 01/27/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **96.7** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **98.7** | **5** | | 50 | 150 | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **103** | | | 50 | 150 | 01/27/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **100** | **3** | | 50 | 150 | 01/27/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **112** | | | 50 | 150 | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 2/8/2021
ALS SDG#: EV21010186
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 2,2-Dichloropropane - BSD | EPA-8260 | **107** | **5** | | 50 | 150 | 01/27/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **106** | | | 50 | 150 | 01/27/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **101** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| Chloroform - BS | EPA-8260 | **107** | | | 50 | 150 | 01/27/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **103** | **5** | | 50 | 150 | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **99.3** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **105** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **97.2** | **8** | | 50 | 150 | 01/27/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **98.7** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **96.2** | **3** | | 50 | 150 | 01/27/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **95.3** | | | 75 | 136 | 01/27/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **94.8** | **0** | | 75 | 136 | 01/27/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **97.9** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,2-Dichloropropane - BSD | EPA-8260 | **96.1** | **2** | | 50 | 150 | 01/27/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **98.4** | | | 50 | 150 | 01/27/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **97.8** | **1** | | 50 | 150 | 01/27/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **100** | | | 50 | 150 | 01/27/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **98.2** | **2** | | 50 | 150 | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **97.0** | | | 50 | 150 | 01/27/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **95.8** | **1** | | 50 | 150 | 01/27/2021 | DLC |
| Toluene - BS | EPA-8260 | **100** | | | 71.6 | 122.1 | 01/27/2021 | DLC |
| Toluene - BSD | EPA-8260 | **98.7** | **1** | | 71.6 | 122.1 | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **95.6** | | | 50 | 150 | 01/27/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **95.2** | **0** | | 50 | 150 | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **101** | **2** | | 50 | 150 | 01/27/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **101** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **97.8** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **101** | | | 50 | 150 | 01/27/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **96.9** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **93.1** | | | 50 | 150 | 01/27/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **90.1** | **3** | | 50 | 150 | 01/27/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **97.2** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **96.1** | **1** | | 50 | 150 | 01/27/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **98.6** | | | 79 | 128 | 01/27/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **97.2** | **1** | | 79 | 128 | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **102** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **100** | **2** | | 50 | 150 | 01/27/2021 | DLC |
| Bromoform - BS | EPA-8260 | **102** | | | 50 | 150 | 01/27/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 2/8/2021
ALS SDG#: EV21010186
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Bromoform - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **92.9** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **92.3** | **1** | | 50 | 150 | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **90.4** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **97.2** | **7** | | 50 | 150 | 01/27/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **94.3** | | | 50 | 150 | 01/27/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **95.8** | **2** | | 50 | 150 | 01/27/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **96.3** | | | 50 | 150 | 01/27/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **96.2** | **0** | | 50 | 150 | 01/27/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **97.9** | | | 50 | 150 | 01/27/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **97.0** | **1** | | 50 | 150 | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **97.6** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **98.7** | **1** | | 50 | 150 | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **92.1** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **94.6** | **3** | | 50 | 150 | 01/27/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **101** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **101** | **0** | | 50 | 150 | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **88.9** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **92.9** | **4** | | 50 | 150 | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **101** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **100** | **0** | | 50 | 150 | 01/27/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **94.0** | | | 50 | 150 | 01/27/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **94.2** | **0** | | 50 | 150 | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **98.2** | | | 50 | 150 | 01/27/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **100** | **2** | | 50 | 150 | 01/27/2021 | DLC |

### ALS Test Batch ID: 162106 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **91.5** | | | 50 | 150 | 01/28/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **90.5** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **106** | | | 50 | 150 | 01/28/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **107** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **108** | | | 50 | 150 | 01/28/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **106** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **113** | | | 50 | 150 | 01/28/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **116** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **118** | | | 50 | 150 | 01/28/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **112** | **5** | | 50 | 150 | 01/28/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **107** | | | 50 | 150 | 01/28/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 2/8/2021
ALS SDG#: EV21010186
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Carbon Tetrachloride - BSD | EPA-8260 | **105** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **111** | | | 50 | 150 | 01/28/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **107** | **3** | | 50 | 150 | 01/28/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **99.3** | | | 70 | 130 | 01/28/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **99.3** | **0** | | 70 | 130 | 01/28/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **133** | | | 50 | 150 | 01/28/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **136** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **102** | | | 50 | 150 | 01/28/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **102** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **106** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **105** | | | 50 | 150 | 01/28/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **105** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **95.7** | | | 50 | 150 | 01/28/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **94.8** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **110** | | | 50 | 150 | 01/28/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **107** | **3** | | 50 | 150 | 01/28/2021 | DLC |
| Chloroform - BS | EPA-8260 | **112** | | | 50 | 150 | 01/28/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **112** | **0** | | 50 | 150 | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **103** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **104** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **98.1** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **98.0** | **0** | | 50 | 150 | 01/28/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **97.1** | | | 75 | 136 | 01/28/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **95.7** | **1** | | 75 | 136 | 01/28/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **99.5** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,2-Dichloropropane - BSD | EPA-8260 | **96.6** | **3** | | 50 | 150 | 01/28/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **98.8** | | | 50 | 150 | 01/28/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **103** | **4** | | 50 | 150 | 01/28/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **98.8** | | | 50 | 150 | 01/28/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **99.5** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **90.5** | | | 50 | 150 | 01/28/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **92.5** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| Toluene - BS | EPA-8260 | **98.7** | | | 71.6 | 122.1 | 01/28/2021 | DLC |
| Toluene - BSD | EPA-8260 | **98.2** | **0** | | 71.6 | 122.1 | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **92.6** | | | 50 | 150 | 01/28/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **91.3** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **106** | | | 50 | 150 | 01/28/2021 | DLC |



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WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **107** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **101** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **104** | **3** | | 50 | 150 | 01/28/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **98.8** | | | 50 | 150 | 01/28/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **97.8** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **92.2** | | | 50 | 150 | 01/28/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **92.8** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **96.7** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **98.2** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **96.1** | | | 79 | 128 | 01/28/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **98.2** | **2** | | 79 | 128 | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **98.4** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **101** | **3** | | 50 | 150 | 01/28/2021 | DLC |
| Bromoform - BS | EPA-8260 | **102** | | | 50 | 150 | 01/28/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **104** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **96.1** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **95.9** | **0** | | 50 | 150 | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **95.8** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **101** | **5** | | 50 | 150 | 01/28/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **92.9** | | | 50 | 150 | 01/28/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **94.9** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **94.4** | | | 50 | 150 | 01/28/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **94.7** | **0** | | 50 | 150 | 01/28/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **93.9** | | | 50 | 150 | 01/28/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **93.8** | **0** | | 50 | 150 | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **94.6** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **94.0** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **90.3** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **91.9** | **2** | | 50 | 150 | 01/28/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **99.4** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **100** | **1** | | 50 | 150 | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **91.8** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **96.2** | **5** | | 50 | 150 | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **91.3** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **94.5** | **4** | | 50 | 150 | 01/28/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **92.3** | | | 50 | 150 | 01/28/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **89.0** | **4** | | 50 | 150 | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **94.1** | | | 50 | 150 | 01/28/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **95.7** | **2** | | 50 | 150 | 01/28/2021 | DLC |



ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

Environmental www.alsglobal.com
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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 2/8/2021 |
| | | ALS SDG#: | EV21010186 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Kyle Bennett | | |
| CLIENT PROJECT: | 81207449 | | |

## LABORATORY CONTROL SAMPLE RESULTS

**ALS Test Batch ID: R377728 - TCLP Extract by EPA-8260**

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride (ZHE) - BS | EPA-8260/1311 | **89.5** | | | 80 | 120 | 02/04/2021 | DLC |
| Vinyl Chloride (ZHE) - BSD | EPA-8260/1311 | **85.2** | **5** | | 80 | 120 | 02/04/2021 | DLC |
| Tetrachloroethylene (ZHE) - BS | EPA-8260/1311 | **100** | | | 80 | 120 | 02/04/2021 | DLC |
| Tetrachloroethylene (ZHE) - BSD | EPA-8260/1311 | **98.0** | **2** | | 80 | 120 | 02/04/2021 | DLC |

APPROVED BY

Laboratory Director



ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

EV2101086

Date 1/25/21 Page 1 Of 6

PROJECT ID: 81207449
REPORT TO COMPANY: Terracon Consultants
PROJECT MANAGER: Kyle Bennett
ADDRESS: 21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043
PHONE: 425-771-3304 P.O. #:
E-MAIL: kyle.bennett@terracon.com
INVOICE TO COMPANY:
ATTENTION: See above
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify) HOLD | OTHER (Specify) 8260 | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB1-1 | 1/25/21 | 945 | SOIL | 1 | | | | | | | | | | | | | | | X | | 4 | |
| 2. TB1-3 | | 945 | | 2 | | | | | | X | | | | | | | | | | X | 4 | |
| 3. TB1-5 | | 945 | | 3 | | | | | | X | | | | | | | | | | X | 4 | |
| 4. TB1-7 | | 950 | | 4 | | | | | | | | | | | | | | | | X | 4 | |
| 5. TB1-9 | | 955 | | 5 | | | | | | | | | | | | | | | X | | 4 | |
| 6. TB1-11 | | 1000 | | 6 | | | | | | | | | | | | | | | | X | 4 | |
| 7. TB1-13 | | 1000 | | 7 | | | | | | | | | | | | | | | X | | 4 | |
| 8. TB1-15 | | 1000 | | 8 | | | | | | | | | | | | | | | | X | 4 | |
| 9. TB2-1 | | 1040 | | 9 | | | | | | | | | | | | | | | X | | 4 | |
| 10. TB2-3 | | 1040 | | 10 | | | | | | | | | | | | | | | | X | 4 | |

SPECIAL INSTRUCTIONS ~~RUSH 24 hr~~. TCLP contigency PCE = 14 mg/kg; TCE = 10 mg/kg VC = 4 mg/kg 1,1 DLE = 10 mg/kg.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Madeline Mar Terracon 1/25/21 1345
   Received By: [signature] ALS 1-26-21 1425
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: ~~RUSH 24 hr~~

*Turnaround request less than standard may incur Rush Charges

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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV21010186

Date 1/25/21 Page 2 Of 6

PROJECT ID: 81207449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: see page 1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION:
ADDRESS: see page 1.

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB2-5 | 1/25/21 | 1045 | SOIL | 11 | | | | | | | | | | | | | | | |
| 2. TB2-7 | | 1045 | | 12 | | | | | | | | | | | | | | | |
| 3. TB2-9 | | 1050 | | 13 | | | | | | | | | | | | | | | |
| 4. TB2-11 | | 1550 | | 14 | | | | | | | | | | | | | | | |
| 5. TB2-13 | | 1550 | | 15 | | | | | | | | | | | | | | | |
| 6. TB2-15 | | 1550 | | 16 | | | | | | | | | | | | | | | |
| 7. TB3-1 | | 1125 | | 17 | | | | | | | | | | | | | | | |
| 8. TB3-3 | | 1125 | | 18 | | | | | | | | | | | | | | | |
| 9. TB3-5 | | 1130 | | 19 | | | | | | | | | | | | | | | |
| 10. TB3-7 | | 1130 | | 20 | | | | | | | | | | | | | | | |

OTHER (Specify)

| HOLD | cVOC 8260 | | | | | | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|
| X | | | | | | | 4 | |
| | X | | | | | | 4 | |
| X | | | | | | | 4 | |
| | X | | | | | | 4 | |
| X | | | | | | | 4 | |
| | X | | | | | | 4 | |
| X | | | | | | | 4 | |
| | X | | | | | | 4 | |
| X | | | | | | | 4 | |
| | X | | | | | | 4 | |

SPECIAL INSTRUCTIONS ~~[illegible]~~ 5 day TAT TCLP contingency PCE = 14 mg/kg, TCE = 10 mg/kg VC = 4 mg/kg 1,1 DLE = 10 mg/kg

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Madelin Tuer Terracon 1/26/21 1345
   Received By: ~~[illegible]~~ ALS 1-26-21 1425
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: ~~[illegible]~~

*Turnaround request less than standard may incur Rush Charges

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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2101086

Date 1/25/21 Page 3 Of 6

PROJECT ID: 812074401
REPORT TO COMPANY:
PROJECT MANAGER: see page 1
ADDRESS:
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: see page 1
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify) HOLD | OTHER (Specify) CVOC 8260 | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB3-9 | 1/25/21 | 1135 | SOIL | 21 | | | | | | | | | | | | | | | | X | | 4 | |
| 2. TB3-11 | | 1140 | | 22 | | | | | | | | | | | | | | | | | X | 4 | |
| 3. TB3-13 | | 1140 | | 23 | | | | | | | | | | | | | | | | X | | 4 | |
| 4. TB3-15 | | 1145 | | 24 | | | | | | | | | | | | | | | | | X | 4 | |
| 5. TB4-1 | | 1230 | | 25 | | | | | | | | | | | | | | | | X | | 4 | |
| 6. TB4-3 | | 1230 | | 26 | | | | | | | | | | | | | | | | | X | 4 | |
| 7. TB4-5 | | 1235 | | 27 | | | | | | | | | | | | | | | | X | | 4 | |
| 8. TB4-7 | | 1235 | | 28 | | | | | | | | | | | | | | | | | X | 4 | |
| 9. TB4-9 | | 1235 | | 29 | | | | | | | | | | | | | | | | X | | 4 | |
| 10. TB4-11 | | 1240 | | 30 | | | | | | | | | | | | | | | | | X | 4 | |

SPECIAL INSTRUCTIONS 5 day TAT TCLP contingency PCE = 14 mg/kg TCE = 10 mg/kg VC = 4 mg/kg, 1,1 DCE = 10 mg/kg.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Madeline Thurman Terracon 1/25/21 1345
   Received By: BRobbs ACS 1-26-21 1425
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

**ALS Environmental**
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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2101086

Date 1/25/21 Page 4 Of 6

PROJECT ID: 8120744
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: see page 7
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: see page 7
ADDRESS:

ANALYSIS REQUESTED

OTHER (Specify)

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8260 ☐ BTEX by EPA 8021 ☐ | MTBE by EPA 8260 ☐ MTBE by EPA 8021 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | HOLD | CVOC 8260 | | 8260 TCLP (PCE only) | | | | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB4-13 | 1/25/21 | 1240 | SOIL | 31 | | | | | | | | | | | | | | | | X | | | | | | | 4 | |
| 2. TB4-15 | | 1240 | | 32 | | | | | | | | | | | | | | | | | X | | | | | | 4 | |
| 3. TB5-1 | | 1340 | | 33 | | | | | | | | | | | | | | | | X | | | | | | | 4 | |
| 4. TB5-3 | | 1340 | | 34 | | | | | | | | | | | | | | | | | X | | | | | | 4 | |
| 5. TB5-5 | | 1345 | | 35 | | | | | | | | | | | | | | | | X | | | | | | | 4 | |
| 6. TB5-7 | | 1345 | | 36 | | | | | | | | | | | | | | | | | X | | | | | | 4 | |
| 7. TB5-9 | | 1345 | | 37 | | | | | | | | | | | | | | | | X | | | | | | | 4 | |
| 8. TB5-11 | | 1350 | | 38 | | | | | | | | | | | | | | | | | X | | | | | | 4 | |
| 9. TB5-13 | | 1350 | | 39 | | | | | | | | | | | | | | | | X | | | | | | | 4 | |
| 10. TB5-15 | | 1350 | | 40 | | | | | | | | | | | | | | | | | X | | X | | | | 4 | |

SPECIAL INSTRUCTIONS 5 day TAT TCLP contingency PCE 4 mg/kg, TCE = 0.4 mg/kg, VC = 4 mg/kg, 1,1 DCE = 10 mg/kg

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Madeleine Thurner Terracon 1/25/21 1345
   Received By: ALS 1-26-21 1425
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: (X) Kyle added 2/2/21 on std 5-day TAT. Sn

*Turnaround request less than standard may incur Rush Charges

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Everett, WA 98208
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Fax (425) 356-2626
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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV21010186

Date 1/25/21 Page 5 Of 6

PROJECT ID: 81207449
REPORT TO COMPANY:
PROJECT MANAGER: see page 1
ADDRESS:
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: see page 1
ADDRESS:

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify): HOLD | OTHER (Specify): cVOC 8260 | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB5-16 | 1/25/21 | 1415 | SOIL | 41 | | | | | | | | | | | | | | | | X | | 4 | |
| 2. TB5-17 | ↓ | 1415 | ↓ | 42 | | | | | | | | | | | | | | | | | X | 4 | |
| 3. TB5-20 | | 1415 | | 43 | | | | | | | | | | | | | | | | | X | 4 | |
| 4. TB6-1 | | 1540 | | 44 | | | | | | | | | | | | | | | | X | | 4 | |
| 5. TB6-3 | | 1540 | | 45 | | | | | | | | | | | | | | | | X | | 4 | |
| 6. TB6-5 | | 1535 | | 46 | | | | | | | | | | | | | | | | | X | 4 | |
| 7. TB6-7 | | 1535 | | 47 | | | | | | | | | | | | | | | | X | | 4 | |
| 8. TB6-9 | | 1535 | | 48 | | | | | | | | | | | | | | | | | X | 4 | |
| 9. TB6-11 | | 1515 | | 49 | | | | | | | | | | | | | | | | X | | 4 | |
| 10. TB6-15 | ↓ | 1510 | ↓ | 50 | | | | | | | | | | | | | | | | X | | 4 | |

SPECIAL INSTRUCTIONS 5 day TAT TCLP contingency PCE=14mg/kg, TCE=10 mg/kg, VC=4mg/kg, 1,1DCE = 10mg/kg.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Madeleine Turney Terracon 1/26/21 1345
   Received By: ALS 1-26-21 1425
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

**ALS Environmental**
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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): EV2101086

Date 1/25/21 Page 6 Of 6

PROJECT ID: 872074449
REPORT TO COMPANY:
PROJECT MANAGER: see page 1
ADDRESS:
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: see page 1
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# |
|---|---|---|---|---|
| 1. TB6-16 | 1/25/21 | 1525 | SOIL | 51 |
| 2. TB6-17 | | 1525 | | 52 |
| 3. TB6-20 | | 1525 | | 53 |
| 4. TB6-13 | | 1515 | | 54 |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |

| NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

OTHER (Specify)

| HOLD | CVOC 8260 | | 8260 TCLP (vinyl chloride only) | | | | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|
| | X | | | | | | 4 | |
| | X | | X | | | | 4 | |
| | X | | | | | | 4 | |
| | X | | | | | | 4 | |

M.H.

SPECIAL INSTRUCTIONS 5 day TAT. TCLP contingency if PEC = 14 mk/kg, TCE = 10 mg/k, VC = 4 mk/kg, 1,1 DCE = 10 mg/kg

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Madeline Turner Terracon 1/26/21 1345
   Received By: ALS 1-26-21 1425
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: ⓧ Kyle added 2/2/21 on std 5-day TAT. SM

*Turnaround request less than standard may incur Rush Charges

May 3, 2021

Mr. Kyle Bennett
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett,

On April 16th, 84 samples were received by our laboratory and assigned our laboratory project number EV21040085. The project was identified as your 81207449. 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



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 5/3/2021<br>EV21040085<br>EV21040085-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:10:00 AM |
| CLIENT SAMPLE ID | TB7-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.73** | 0.028 | 1 | MG/KG | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.014** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:10:00 AM |
| CLIENT SAMPLE ID | TB7-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **91.6** | 04/17/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.2** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **123 SQ2** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **107** | 04/17/2021 | DLC |

SQ2 - Spike outside of control limits due to matrix effect.
U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:15:00 AM |
| CLIENT SAMPLE ID | TB7-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.037** | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/16/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.46** | 0.031 | 1 | MG/KG | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/16/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:15:00 AM |
| CLIENT SAMPLE ID | TB7-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/16/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **90.1** | 04/16/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.4** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **116** | 04/16/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **104** | 04/17/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:20:00 AM |
| CLIENT SAMPLE ID | TB7-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.038** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:20:00 AM |
| CLIENT SAMPLE ID | TB7-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **95.7** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **96.1** | 04/17/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-08 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:20:00 AM |
| CLIENT SAMPLE ID | TB7-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-08 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:20:00 AM |
| CLIENT SAMPLE ID | TB7-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **97.5** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **111** | 04/17/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-10 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:40:00 AM |
| CLIENT SAMPLE ID | TB8-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.022** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.040** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **1.2** | 0.022 | 1 | MG/KG | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-10 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:40:00 AM |
| CLIENT SAMPLE ID | TB8-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **90.0** | 04/17/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **90.3** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **122** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **103** | 04/17/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-12 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:45:00 AM |
| CLIENT SAMPLE ID | TB8-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.011** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.45** | 0.028 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-12 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:45:00 AM |
| CLIENT SAMPLE ID | TB8-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **88.6** | 04/17/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **93.4** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **104** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **98.5** | 04/18/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-16 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:50:00 AM |
| CLIENT SAMPLE ID | TB8-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-16 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:50:00 AM |
| CLIENT SAMPLE ID | TB8-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **102** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **103** | 04/17/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-18 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:20:00 AM |
| CLIENT SAMPLE ID | TB9-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.71** | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **3.0** | 0.026 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-18 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:20:00 AM |
| CLIENT SAMPLE ID | TB9-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **90.4** | 04/17/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **88.3** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **101** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **100** | 04/18/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-19 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:25:00 AM |
| CLIENT SAMPLE ID | TB9-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.015** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.17** | 0.029 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.032** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.27** | 0.032 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-19 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:25:00 AM |
| CLIENT SAMPLE ID | TB9-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **87.8** | 04/17/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **99.4** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **96.4** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **99.3** | 04/18/2021 | DLC |

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| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-22 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:30:00 AM |
| CLIENT SAMPLE ID | TB9-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-22 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:30:00 AM |
| CLIENT SAMPLE ID | TB9-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.1** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **113** | 04/17/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-23 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:30:00 AM |
| CLIENT SAMPLE ID | TB9-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/18/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-23 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:30:00 AM |
| CLIENT SAMPLE ID | TB9-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **102** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 04/18/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-25 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:50:00 AM |
| CLIENT SAMPLE ID | TB10-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-25 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:50:00 AM |
| CLIENT SAMPLE ID | TB10-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **133 SQ2** | 04/17/2021 | DLC |

SQ2 - Spike outside of control limits due to matrix effect.
U - Analyte analyzed for but not detected at level above reporting limit.



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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-28 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:50:00 AM |
| CLIENT SAMPLE ID | TB10-9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/18/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-28 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:50:00 AM |
| CLIENT SAMPLE ID | TB10-9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **99.8** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **99.1** | 04/18/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-31 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:00:00 AM |
| CLIENT SAMPLE ID | TB10-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/18/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-31 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:00:00 AM |
| CLIENT SAMPLE ID | TB10-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **123 SQ2** | 04/18/2021 | DLC |

SQ2 - Spike outside of control limits due to matrix effect.
U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-34 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:20:00 AM |
| CLIENT SAMPLE ID | TB11-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-34 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:20:00 AM |
| CLIENT SAMPLE ID | TB11-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **96.6** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **102** | 04/17/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-36 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:20:00 AM |
| CLIENT SAMPLE ID | TB11-9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/18/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-36 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:20:00 AM |
| CLIENT SAMPLE ID | TB11-9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **90.7** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **100** | 04/18/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-39 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:30:00 AM |
| CLIENT SAMPLE ID | TB11-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/18/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-39 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:30:00 AM |
| CLIENT SAMPLE ID | TB11-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **99.1** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **114** | 04/18/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-41 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:55:00 AM |
| CLIENT SAMPLE ID | TB12-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.013** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.40** | 0.023 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.010** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.21** | 0.025 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-41 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:55:00 AM |
| CLIENT SAMPLE ID | TB12-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **114** | 04/17/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.5** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **102** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **104** | 04/18/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-43 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:55:00 AM |
| CLIENT SAMPLE ID | TB12-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.11** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.30** | 0.028 | 1 | MG/KG | 04/19/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.022** | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.23** | 0.031 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/18/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-43 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 11:55:00 AM |
| CLIENT SAMPLE ID | TB12-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **87.0** | 04/18/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **100** | 04/19/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **141 SQ2** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **108** | 04/19/2021 | DLC |

SQ2 - Spike outside of control limits due to matrix effect.
U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-44 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 12:05:00 PM |
| CLIENT SAMPLE ID | TB12-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.020** | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.021** | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/18/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-44 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 12:05:00 PM |
| CLIENT SAMPLE ID | TB12-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/18/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **92.4** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **97.3** | 04/18/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-46 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 12:05:00 PM |
| CLIENT SAMPLE ID | TB12-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.020** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/19/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-46 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 12:05:00 PM |
| CLIENT SAMPLE ID | TB12-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **97.8** | 04/19/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **98.8** | 04/19/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-48 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:00:00 PM |
| CLIENT SAMPLE ID | TB13-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.048** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **8.2** | 0.35 | 10 | MG/KG | 04/23/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichloroethene | EPA-8260 | **18** | 0.33 | 10 | MG/KG | 04/23/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **130** | 3.9 | 100 | MG/KG | 04/23/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/20/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-48 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:00:00 PM |
| CLIENT SAMPLE ID | TB13-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichloroethene (ZHE) | EPA-8260/1311 | U | 0.0050 | 1 | MG/L | 04/29/2021 | DLC |
| Tetrachloroethylene (ZHE) | EPA-8260/1311 | U | 0.0050 | 1 | MG/L | 04/29/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.8** | 04/20/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **102** | 04/23/2021 | DLC |
| 1,2-Dichloroethane-d4 100X Dilution | EPA-8260 | **103** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **109** | 04/20/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **105** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene 100X Dilution | EPA-8260 | **108** | 04/23/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260/1311 | **98.0** | 04/29/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260/1311 | **94.0** | 04/29/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-50 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:30:00 PM |
| CLIENT SAMPLE ID | TB14-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.021** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.70** | 0.024 | 1 | MG/KG | 04/23/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/19/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-50 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:30:00 PM |
| CLIENT SAMPLE ID | TB14-3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **100** | 04/19/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.2** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **102** | 04/19/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **110** | 04/23/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-51 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:35:00 PM |
| CLIENT SAMPLE ID | TB14-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.13** | 0.023 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.044** | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.41** | 0.025 | 1 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-51 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:35:00 PM |
| CLIENT SAMPLE ID | TB14-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **89.7** | 04/17/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **98.7** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **94.0** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **103** | 04/18/2021 | DLC |

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| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-52 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:40:00 PM |
| CLIENT SAMPLE ID | TB14-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.039** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/19/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-52 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:40:00 PM |
| CLIENT SAMPLE ID | TB14-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **97.2** | 04/19/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **101** | 04/19/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-55 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:55:00 PM |
| CLIENT SAMPLE ID | TB15-2 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.41** | 0.020 | 1 | MG/KG | 04/23/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.021** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/19/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-55 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 1:55:00 PM |
| CLIENT SAMPLE ID | TB15-2 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **97.9** | 04/19/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **99.8** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **104** | 04/19/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **105** | 04/23/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-56 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:00:00 PM |
| CLIENT SAMPLE ID | TB15-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **1.1** | 0.026 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | **1.7** | 0.025 | 1 | MG/KG | 04/18/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **4.8** | 0.29 | 10 | MG/KG | 04/18/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 5/3/2021<br>EV21040085<br>EV21040085-56 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:00:00 PM |
| CLIENT SAMPLE ID | TB15-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **93.5** | 04/17/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.3** | 04/18/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **98.2** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **98.2** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **95.5** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **98.5** | 04/18/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-59 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:05:00 PM |
| CLIENT SAMPLE ID | TB15-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.021** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroethane | EPA-8260 | **0.018** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/19/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-59 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:05:00 PM |
| CLIENT SAMPLE ID | TB15-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **96.3** | 04/19/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **122** | 04/19/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-62 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:30:00 PM |
| CLIENT SAMPLE ID | TB16-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.30** | 0.022 | 1 | MG/KG | 04/18/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-62 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:30:00 PM |
| CLIENT SAMPLE ID | TB16-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/17/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.7** | 04/17/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **95.3** | 04/18/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 04/17/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **101** | 04/18/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-64 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:35:00 PM |
| CLIENT SAMPLE ID | TB16-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.022** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/19/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-64 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:35:00 PM |
| CLIENT SAMPLE ID | TB16-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **93.1** | 04/19/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **110** | 04/19/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-68 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:55:00 PM |
| CLIENT SAMPLE ID | TB17-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.61** | 0.010 | 1 | MG/KG | 04/23/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | **0.14** | 0.052 | 1 | MG/KG | 04/23/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **2.3** | 0.049 | 1 | MG/KG | 04/23/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **84** | 3.1 | 100 | MG/KG | 04/23/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.033** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **1.9** | 0.034 | 1 | MG/KG | 04/23/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/20/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 5/3/2021<br>EV21040085<br>EV21040085-68 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:55:00 PM |
| CLIENT SAMPLE ID | TB17-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **89.0** | 04/20/2021 | DLC |
| 1,2-Dichloroethane-d4 100X Dilution | EPA-8260 | **100** | 04/23/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **130 SQ2** | 04/20/2021 | DLC |
| 4-Bromofluorobenzene 100X Dilution | EPA-8260 | **109** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **109** | 04/23/2021 | DLC |

SQ2 - Spike outside of control limits due to matrix effect.
U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-70 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:55:00 PM |
| CLIENT SAMPLE ID | TB17-9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.54** | 0.010 | 1 | MG/KG | 04/23/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | **0.011** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.53** | 0.034 | 1 | MG/KG | 04/23/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **28** | 2.2 | 100 | MG/KG | 04/23/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichloroethene | EPA-8260 | **3.1** | 0.020 | 1 | MG/KG | 04/23/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.015** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/20/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 5/3/2021<br>EV21040085<br>EV21040085-70 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 2:55:00 PM |
| CLIENT SAMPLE ID | TB17-9 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **90.8** | 04/20/2021 | DLC |
| 1,2-Dichloroethane-d4 100X Dilution | EPA-8260 | **99.4** | 04/23/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **102** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **101** | 04/20/2021 | DLC |
| 4-Bromofluorobenzene 100X Dilution | EPA-8260 | **107** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **113** | 04/23/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-72 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:00:00 PM |
| CLIENT SAMPLE ID | TB17-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.026** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.015** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **11** | 0.24 | 10 | MG/KG | 04/23/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.029** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.022** | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/19/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-72 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:00:00 PM |
| CLIENT SAMPLE ID | TB17-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/19/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **96.3** | 04/19/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **98.8** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **102** | 04/19/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **108** | 04/23/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-74 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:20:00 PM |
| CLIENT SAMPLE ID | TB17-18 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.046** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.017** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/20/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-74 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:20:00 PM |
| CLIENT SAMPLE ID | TB17-18 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **91.9** | 04/20/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **112** | 04/20/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-75 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:40:00 PM |
| CLIENT SAMPLE ID | TB18-1 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.023** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **7.0** | 2.1 | 100 | MG/KG | 04/23/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichloroethene | EPA-8260 | **10** | 2.0 | 100 | MG/KG | 04/23/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **130** | 4.7 | 200 | MG/KG | 04/23/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/20/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 5/3/2021<br>EV21040085<br>EV21040085-75 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:40:00 PM |
| CLIENT SAMPLE ID | TB18-1 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Tetrachloroethylene (ZHE) | EPA-8260/1311 | U | 0.0050 | 1 | MG/L | 04/29/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **92.6** | 04/20/2021 | DLC |
| 1,2-Dichloroethane-d4 100X Dilution | EPA-8260 | **103** | 04/23/2021 | DLC |
| 1,2-Dichloroethane-d4 200X Dilution | EPA-8260 | **102** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **107** | 04/20/2021 | DLC |
| 4-Bromofluorobenzene 100X Dilution | EPA-8260 | **108** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene 200X Dilution | EPA-8260 | **108** | 04/23/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260/1311 | **98.0** | 04/29/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260/1311 | **94.0** | 04/29/2021 | DLC |

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| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-78 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:45:00 PM |
| CLIENT SAMPLE ID | TB18-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.12** | 0.010 | 1 | MG/KG | 04/23/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | **0.012** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | **0.047** | 0.031 | 1 | MG/KG | 04/23/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **4.6** | 0.19 | 10 | MG/KG | 04/23/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichloroethene | EPA-8260 | **0.012** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.34** | 0.021 | 1 | MG/KG | 04/23/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/20/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 5/3/2021<br>EV21040085<br>EV21040085-78 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:45:00 PM |
| CLIENT SAMPLE ID | TB18-7 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **91.5** | 04/20/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **98.0** | 04/23/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **103** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **111** | 04/20/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **110** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **106** | 04/23/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-80 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:50:00 PM |
| CLIENT SAMPLE ID | TB18-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **1.5** | 0.010 | 1 | MG/KG | 04/23/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.034** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/20/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 5/3/2021<br>EV21040085<br>EV21040085-80 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:50:00 PM |
| CLIENT SAMPLE ID | TB18-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **95.8** | 04/20/2021 | DLC |
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 04/23/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **103** | 04/20/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **112** | 04/23/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-82 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:55:00 PM |
| CLIENT SAMPLE ID | TB18-18 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.010** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | **0.022** | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 04/20/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-82 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 3:55:00 PM |
| CLIENT SAMPLE ID | TB18-18 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 04/20/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **93.6** | 04/20/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **122** | 04/20/2021 | DLC |

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| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-83 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:00:00 AM |
| CLIENT SAMPLE ID | MW-1 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 04/21/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 04/21/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **2.3** | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 04/21/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-83 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 10:00:00 AM |
| CLIENT SAMPLE ID | MW-1 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **100** | 04/21/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **99.0** | 04/21/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-84 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:20:00 AM |
| CLIENT SAMPLE ID | MW-2 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 04/21/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 04/21/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 04/21/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 5/3/2021 |
| | | ALS JOB#: | EV21040085 |
| | | ALS SAMPLE#: | EV21040085-84 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 04/16/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 4/15/2021 9:20:00 AM |
| CLIENT SAMPLE ID | MW-2 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 04/21/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 04/21/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **99.8** | 04/21/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-041621S2 - Batch 164788 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 04/16/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 04/16/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-041621S2 - Batch 164788 - Soil by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 04/16/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/16/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MB-041721S - Batch 164797 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 04/17/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-041721S - Batch 164797 - Soil by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/17/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MB-041921S - Batch 164962 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 04/19/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-041921S - Batch 164962 - Soil by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 04/19/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 04/19/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MB-042121W - Batch 164961 - Water by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Chloromethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | UG/L | 0.20 | 04/21/2021 | DLC |
| Bromomethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Chloroethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | UG/L | 5.0 | 04/21/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Chloroform | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-042121W - Batch 164961 - Water by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Trichloroethene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Dibromomethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | UG/L | 0.010 | 04/21/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Bromoform | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Bromobenzene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | UG/L | 10 | 04/21/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 04/21/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R382868 - Batch R382868 - TCLP Extract by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Trichloroethene (ZHE) | EPA-8260/1311 | U | MG/L | 0.0050 | 04/29/2021 | DLC |
| Tetrachloroethylene (ZHE) | EPA-8260/1311 | U | MG/L | 0.0050 | 04/29/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 164788 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **53.9** | | | 50 | 150 | 04/16/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **88.7** | | | 50 | 150 | 04/16/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **90.5** | | | 50 | 150 | 04/16/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **103** | | | 50 | 150 | 04/16/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **106** | | | 50 | 150 | 04/16/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **105** | | | 50 | 150 | 04/16/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **111** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **110** | | | 70 | 130 | 04/16/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **125** | | | 50 | 150 | 04/16/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **114** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **112** | | | 50 | 150 | 04/16/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **109** | | | 50 | 150 | 04/16/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **98.9** | | | 50 | 150 | 04/16/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **108** | | | 50 | 150 | 04/16/2021 | DLC |
| Chloroform - BS | EPA-8260 | **116** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **114** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **103** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **114** | | | 50 | 150 | 04/16/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **117** | | | 75 | 136 | 04/16/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **114** | | | 50 | 150 | 04/16/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **108** | | | 50 | 150 | 04/16/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **113** | | | 50 | 150 | 04/16/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **99.2** | | | 50 | 150 | 04/16/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **99.9** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **109** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **109** | | | 50 | 150 | 04/16/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **135** | | | 50 | 150 | 04/16/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **101** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **110** | | | 50 | 150 | 04/16/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **101** | | | 79 | 128 | 04/16/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **106** | | | 50 | 150 | 04/16/2021 | DLC |
| Bromoform - BS | EPA-8260 | **99.5** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **102** | | | 50 | 150 | 04/16/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **101** | | | 50 | 150 | 04/16/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **105** | | | 50 | 150 | 04/16/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **100** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **99.4** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **91.7** | | | 50 | 150 | 04/16/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene - BS | EPA-8260 | **103** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **111** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **96.0** | | | 50 | 150 | 04/16/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **102** | | | 50 | 150 | 04/16/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **99.9** | | | 50 | 150 | 04/16/2021 | DLC |

### ALS Test Batch ID: 164797 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **84.2** | | | 50 | 150 | 04/17/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **79.8** | **5** | | 50 | 150 | 04/17/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **96.5** | | | 50 | 150 | 04/17/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **90.1** | **7** | | 50 | 150 | 04/17/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **93.6** | | | 50 | 150 | 04/17/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **89.3** | **5** | | 50 | 150 | 04/17/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **101** | | | 50 | 150 | 04/17/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **93.4** | **8** | | 50 | 150 | 04/17/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **95.3** | | | 50 | 150 | 04/17/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **88.6** | **7** | | 50 | 150 | 04/17/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **98.8** | | | 50 | 150 | 04/17/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **94.1** | **5** | | 50 | 150 | 04/17/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **101** | | | 50 | 150 | 04/17/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **95.0** | **6** | | 50 | 150 | 04/17/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **89.2** | | | 70 | 130 | 04/17/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **81.8** | **9** | | 70 | 130 | 04/17/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **92.9** | | | 50 | 150 | 04/17/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **84.3** | **10** | | 50 | 150 | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **93.7** | | | 50 | 150 | 04/17/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **85.7** | **9** | | 50 | 150 | 04/17/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **102** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **95.8** | **6** | | 50 | 150 | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **97.1** | | | 50 | 150 | 04/17/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **90.4** | **7** | | 50 | 150 | 04/17/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **96.8** | | | 50 | 150 | 04/17/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **90.1** | **7** | | 50 | 150 | 04/17/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **94.0** | | | 50 | 150 | 04/17/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **91.0** | **3** | | 50 | 150 | 04/17/2021 | DLC |
| Chloroform - BS | EPA-8260 | **106** | | | 50 | 150 | 04/17/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **102** | **4** | | 50 | 150 | 04/17/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 04/17/2021 | DLC |



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CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **97.7** | **6** | | 50 | 150 | 04/17/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **99.2** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **95.1** | **4** | | 50 | 150 | 04/17/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **99.4** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **94.6** | **5** | | 50 | 150 | 04/17/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **97.4** | | | 75 | 136 | 04/17/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **94.2** | **3** | | 75 | 136 | 04/17/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **94.9** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,2-Dichloropropane - BSD | EPA-8260 | **92.0** | **3** | | 50 | 150 | 04/17/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **106** | | | 50 | 150 | 04/17/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **100** | **6** | | 50 | 150 | 04/17/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **102** | | | 50 | 150 | 04/17/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **94.5** | **7** | | 50 | 150 | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **95.8** | | | 50 | 150 | 04/17/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **89.8** | **6** | | 50 | 150 | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **91.8** | | | 50 | 150 | 04/17/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **86.6** | **6** | | 50 | 150 | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **97.3** | **6** | | 50 | 150 | 04/17/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **103** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **101** | **2** | | 50 | 150 | 04/17/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **96.5** | | | 50 | 150 | 04/17/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **76.7** | **23** | | 50 | 150 | 04/17/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **94.6** | | | 50 | 150 | 04/17/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **93.0** | **2** | | 50 | 150 | 04/17/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **96.7** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **92.4** | **4** | | 50 | 150 | 04/17/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **103** | | | 79 | 128 | 04/17/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **98.4** | **4** | | 79 | 128 | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **101** | **4** | | 50 | 150 | 04/17/2021 | DLC |
| Bromoform - BS | EPA-8260 | **91.4** | | | 50 | 150 | 04/17/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **88.7** | **3** | | 50 | 150 | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **95.8** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **94.5** | **1** | | 50 | 150 | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **102** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **99.9** | **2** | | 50 | 150 | 04/17/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **95.2** | | | 50 | 150 | 04/17/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **92.4** | **3** | | 50 | 150 | 04/17/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **97.0** | | | 50 | 150 | 04/17/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 2-Chlorotoluene - BSD | EPA-8260 | **94.6** | **2** | | 50 | 150 | 04/17/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **95.0** | | | 50 | 150 | 04/17/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **92.4** | **3** | | 50 | 150 | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **100** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **97.4** | **3** | | 50 | 150 | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **101** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **97.1** | **4** | | 50 | 150 | 04/17/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **94.1** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **88.3** | **6** | | 50 | 150 | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **95.0** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **83.7** | **13** | | 50 | 150 | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **94.7** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **93.1** | **2** | | 50 | 150 | 04/17/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **87.6** | | | 50 | 150 | 04/17/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **83.7** | **4** | | 50 | 150 | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **102** | | | 50 | 150 | 04/17/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **99.3** | **2** | | 50 | 150 | 04/17/2021 | DLC |

### ALS Test Batch ID: 164962 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **86.2** | | | 50 | 150 | 04/19/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **89.6** | **4** | | 50 | 150 | 04/19/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **96.6** | | | 50 | 150 | 04/19/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **95.5** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **99.6** | | | 50 | 150 | 04/19/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **98.4** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **103** | | | 50 | 150 | 04/19/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **99.9** | **3** | | 50 | 150 | 04/19/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **96.9** | | | 50 | 150 | 04/19/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **93.6** | **3** | | 50 | 150 | 04/19/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **99.6** | | | 50 | 150 | 04/19/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **100** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **91.7** | | | 50 | 150 | 04/19/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **91.0** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **94.5** | | | 70 | 130 | 04/19/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **92.1** | **3** | | 70 | 130 | 04/19/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **100** | | | 50 | 150 | 04/19/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **99.0** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **94.0** | | | 50 | 150 | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
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CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **94.6** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **103** | **2** | | 50 | 150 | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **102** | | | 50 | 150 | 04/19/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **99.0** | **3** | | 50 | 150 | 04/19/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **100** | | | 50 | 150 | 04/19/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **100** | **0** | | 50 | 150 | 04/19/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **96.1** | | | 50 | 150 | 04/19/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **95.8** | **0** | | 50 | 150 | 04/19/2021 | DLC |
| Chloroform - BS | EPA-8260 | **104** | | | 50 | 150 | 04/19/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **104** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **105** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **97.6** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **97.2** | **0** | | 50 | 150 | 04/19/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **102** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **99.8** | **2** | | 50 | 150 | 04/19/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **103** | | | 75 | 136 | 04/19/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **103** | **0** | | 75 | 136 | 04/19/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **101** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,2-Dichloropropane - BSD | EPA-8260 | **101** | **0** | | 50 | 150 | 04/19/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **99.0** | | | 50 | 150 | 04/19/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **98.2** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **103** | | | 50 | 150 | 04/19/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **104** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **101** | | | 50 | 150 | 04/19/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **98.7** | **3** | | 50 | 150 | 04/19/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **96.6** | | | 50 | 150 | 04/19/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **94.9** | **2** | | 50 | 150 | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **107** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **104** | **2** | | 50 | 150 | 04/19/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **111** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **110** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **94.4** | | | 50 | 150 | 04/19/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **93.6** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **100** | | | 50 | 150 | 04/19/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **99.0** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **104** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **102** | **2** | | 50 | 150 | 04/19/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **96.4** | | | 79 | 128 | 04/19/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Chlorobenzene - BSD | EPA-8260 | **97.3** | **1** | | 79 | 128 | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **110** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **111** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| Bromoform - BS | EPA-8260 | **101** | | | 50 | 150 | 04/19/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **97.7** | **3** | | 50 | 150 | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **99.5** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **98.3** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **106** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **106** | **0** | | 50 | 150 | 04/19/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **97.2** | | | 50 | 150 | 04/19/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **96.2** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **99.2** | | | 50 | 150 | 04/19/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **99.7** | **0** | | 50 | 150 | 04/19/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **95.7** | | | 50 | 150 | 04/19/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **95.5** | **0** | | 50 | 150 | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **95.2** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **94.2** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **90.0** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **88.7** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **95.4** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **94.1** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **101** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **99.4** | **1** | | 50 | 150 | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **98.1** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **96.6** | **2** | | 50 | 150 | 04/19/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **88.1** | | | 50 | 150 | 04/19/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **91.6** | **4** | | 50 | 150 | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **94.0** | | | 50 | 150 | 04/19/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **93.3** | **1** | | 50 | 150 | 04/19/2021 | DLC |

### ALS Test Batch ID: 164961 - Water by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **61.5** | | | 50 | 150 | 04/21/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **63.8** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **72.8** | | | 50 | 150 | 04/21/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **75.3** | **3** | | 50 | 150 | 04/21/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **85.9** | | | 50 | 150 | 04/21/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **89.4** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **102** | | | 50 | 150 | 04/21/2021 | DLC |



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CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Bromomethane - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **96.9** | | | 50 | 150 | 04/21/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **101** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **115** | | | 50 | 150 | 04/21/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **120** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **117** | | | 50 | 150 | 04/21/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **121** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **103** | | | 72.5 | 136 | 04/21/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **108** | **4** | | 72.5 | 136 | 04/21/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **110** | | | 50 | 150 | 04/21/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **112** | **2** | | 50 | 150 | 04/21/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **106** | | | 50 | 150 | 04/21/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **111** | **5** | | 50 | 150 | 04/21/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **108** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **104** | | | 50 | 150 | 04/21/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **108** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **111** | | | 50 | 150 | 04/21/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **112** | **2** | | 50 | 150 | 04/21/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **99.9** | | | 50 | 150 | 04/21/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **103** | **3** | | 50 | 150 | 04/21/2021 | DLC |
| Chloroform - BS | EPA-8260 | **106** | | | 50 | 150 | 04/21/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **111** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **108** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **113** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **110** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **115** | **4** | | 50 | 150 | 04/21/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **107** | **3** | | 50 | 150 | 04/21/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **112** | | | 74.4 | 141 | 04/21/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **116** | **4** | | 74.4 | 141 | 04/21/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **103** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,2-Dichloropropane - BSD | EPA-8260 | **106** | **3** | | 50 | 150 | 04/21/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **102** | | | 50 | 150 | 04/21/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **104** | **2** | | 50 | 150 | 04/21/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **104** | | | 50 | 150 | 04/21/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **107** | **3** | | 50 | 150 | 04/21/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **109** | | | 50 | 150 | 04/21/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **110** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **108** | | | 50 | 150 | 04/21/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **111** | **3** | | 50 | 150 | 04/21/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **105** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **104** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **105** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **118** | | | 50 | 150 | 04/21/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **126** | **6** | | 50 | 150 | 04/21/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **107** | | | 50 | 150 | 04/21/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **109** | **2** | | 50 | 150 | 04/21/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **107** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **108** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **106** | | | 73 | 131 | 04/21/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **108** | **2** | | 73 | 131 | 04/21/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **106** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **108** | **2** | | 50 | 150 | 04/21/2021 | DLC |
| Bromoform - BS | EPA-8260 | **108** | | | 50 | 150 | 04/21/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **110** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **102** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **103** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **103** | **0** | | 50 | 150 | 04/21/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **106** | | | 50 | 150 | 04/21/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **107** | **0** | | 50 | 150 | 04/21/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **105** | | | 50 | 150 | 04/21/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **107** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **106** | | | 50 | 150 | 04/21/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **108** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **107** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **108** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **107** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **108** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **106** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **106** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **99.2** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **99.8** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **107** | | | 50 | 150 | 04/21/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **110** | **3** | | 50 | 150 | 04/21/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **118** | | | 50 | 150 | 04/21/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **119** | **1** | | 50 | 150 | 04/21/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **106** | | | 50 | 150 | 04/21/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 5/3/2021
ALS SDG#: EV21040085
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **108** | **2** | | 50 | 150 | 04/21/2021 | DLC |

### ALS Test Batch ID: R382868 - TCLP Extract by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene (ZHE) - BS | EPA-8260/1311 | **107** | | | 80 | 134 | 04/29/2021 | DLC |
| Trichloroethene (ZHE) - BSD | EPA-8260/1311 | **110** | **3** | | 80 | 134 | 04/29/2021 | DLC |

APPROVED BY

Laboratory Director



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Phone (425) 356-2600
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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2104085

Date 4/15/21 Page 1 Of 10

PROJECT ID: 81207449
REPORT TO COMPANY: Terracon
PROJECT MANAGER: Kyle Bennett
ADDRESS: 21905 64th Ave, Ste 100
Mountlake Terrace, WA 98043
PHONE: 425-771-3304 P.O. #:
E-MAIL: kyle.bennett@terracon.com
INVOICE TO COMPANY:
ATTENTION: SAME
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | Hold | OTHER (Specify) | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB7-1 | ~~4/15/21~~ 4/15 | 910 | soil | 1 | | | | | | | | | | | | | | | | X | | | |
| 2. TB7-3 | | 910 | | 2 | | | | | | ▲ | | | | | | | | | | ~~X~~ | | | |
| 3. TB7-5 | | 915 | | 3 | | | | | | | | | | | | | | | | X | | | |
| 4. TB7-7 | | 915 | | 4 | | | | | | (X) | | | | | | | | | | ~~X~~ | | | |
| 5. TB7-9 | | 915 | | 5 | | | | | | | | | | | | | | | | X | | | |
| 6. TB7-11 | | 920 | | 6 | | | | | | | | | | | | | | | | X | | | |
| 7. TB7-13 | | 920 | | 7 | | | | | | ▲ | | | | | | | | | | ~~X~~ | | | |
| 8. TB7-15 | | 920 | | 8 | | | | | | ▲ | | | | | | | | | | ~~X~~ | | | |
| 9. TB8-1 | | 940 | | 9 | | | | | | | | | | | | | | | | X | | | |
| 10. TB8-3 | | 940 | | 10 | | | | | | ▲ | | | | | | | | | | ~~X~~ | | | |

SPECIAL INSTRUCTIONS 4/16/21 - (X) 3-day TAT ▲ - 5-day TAT SM

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: JL 4/16 1015
   Received By: ALS 4-16-21 1015
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

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): EV2104008S

Date 4/15/21 Page 2 Of 10

PROJECT ID: 81207449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: SEE PAGE 1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ | BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ | MTBE by EPA 8260 ☐ | 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 ☐ | Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ | RCRA-8 ☐ | Pri Pol ☐ | TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ | VOA ☐ | Semi-Vol ☐ | Pest ☐ | Herbs ☐ | OTHER (Specify) Hold | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB8-5 | 4/13/21 | 945 | soil | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 2. TB8-7 | 4/15 | 945 | | 12 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | X sm | | |
| 3. TB8-9 | | 945 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 4. TB8-11 | | 950 | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 5. TB8-13 | | 950 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 6. TB8-14 | | 950 | | 16 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | X sm | | |
| 7. TB9-1 | | 1020 | | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 8. TB9-3 | | 1020 | | 18 | | | | | | | | (X) | | | | | | | | | | | | | | | | | | X sm | | |
| 9. TB9-5 | | 1025 | | 19 | | | | | | | | (X) | | | | | | | | | | | | | | | | | | X sm | | |
| 10. TB9-7 | | 1025 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |

SPECIAL INSTRUCTIONS 4/16/21 - (X) 3-day TAT ▲ - 5-day TAT sm

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: TC 4/16 1015
   Received By: ALS 4-16-21 1015
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

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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV2104085

Date 4/15/21 Page 3 Of 10

PROJECT ID: 01207449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: SEE PG 1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: SEE PG 1
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ | BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ | MTBE by EPA 8260 ☐ | 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 ☐ | Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ | RCRA-8 ☐ | Pri Pol ☐ | TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ | VOA ☐ | Semi-Vol ☐ | Pest ☐ | Herbs ☐ | OTHER (Specify) | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB9-9 | ~~4/15/21~~ | 1025 | soil | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | Hold | X | |
| 2. TB9-11 | 4/15 | 1030 | | 22 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | | X SM | | |
| 3. TB9-13 | | 1030 | | 23 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | | X SM | | |
| 4. TB10-1 | | 1050 | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 5. TB10-3 | | 1050 | | 25 | | | | | | | | ⊗ | | | | | | | | | | | | | | | | | | | X SM | | |
| 6. TB10-5 | | 1050 | | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 7. TB10-7 | | 1050 | | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 8. TB10-9 | | 1050 | | 28 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | | X SM | | |
| 9. TB10-11 | | 1100 | | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 10. TB10-13 | ↓ | 1100 | ↓ | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |

SPECIAL INSTRUCTIONS 4/16/21 - ⊗ 3-day TAT ▲ 5-day TAT SM

SIGNATURES (Name, Company, Date, Time)

1. Relinquished By: TC 4/16 1015
   Received By: ALS 4-16-21 1015
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

**ALS Environmental**
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Everett, WA 98208
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Fax (425) 356-2626
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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2104008S

Date 4/15/21 Page 4 Of 10

PROJECT ID: 61207449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: SEE PG 1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: SEE PG 1
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify) Hold | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB10-15 | 4/15/21 | 1100 | Soil | 31 | | | | | | ▲ | | | | | | | | | | | | |
| 2. TB11-1 | ↓ | 1115 | ↓ | 32 | | | | | | | | | | | | | | | | | | |
| 3. TB11-3 | | 1115 | | 33 | | | | | | | | | | | | | | | | | | |
| 4. TB11-5 | | 1120 | | 34 | | | | | | ⊗ | | | | | | | | | | | | |
| 5. TB11-7 | | 1120 | | 35 | | | | | | | | | | | | | | | | | | |
| 6. TB11-9 | | 1120 | | 36 | | | | | | ▲ | | | | | | | | | | | | |
| 7. TB11-11 | | 1130 | | 37 | | | | | | | | | | | | | | | | | | |
| 8. TB11-13 | | 1130 | | 38 | | | | | | | | | | | | | | | | | | |
| 9. TB11-14 | | 1130 | | 39 | | | | | | ▲ | | | | | | | | | | | | |
| 10. TB12-1 | ↓ | 1155 | ↓ | 40 | | | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS 4/16/21 – ⊗ 3-day TAT ▲ - 5-day TAT SM

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: TC 4/16 1015
   Received By: ALS 4-16-21 1015
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 [illegible]

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): EV2104085

Date 4/15/21 Page 5 Of 10

PROJECT ID: 60207449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: SEE PG 1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: SEE PG 1
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ | BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ | MTBE by EPA 8260 ☐ | 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 ☐ | Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ | RCRA-8 ☐ | Pri Pol ☐ | TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ | VOA ☐ | Semi-Vol ☐ | Pest ☐ | Herbs ☐ | OTHER (Specify): HOLD | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB12-3 | 4/15/21 | 1155 | Soil | 41 | | | | | | | | X | | | | | | | | | | | | | | | | | | X Sm | | |
| 2. TB12-5 | | 1155 | | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. TB12-7 | | 1155 | | 43 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | ▲ Sm | | |
| 4. TB12-11 | | 1205 | | 44 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | ▲ Sm | | |
| 5. TB12-13 | | 1205 | | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. TB12-14 | | 1205 | | 46 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | ▲ Sm | | |
| 7. TB13-1 | | 1300 | | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. TB13-3 | | 1300 | | 48 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | TCLP PCE/TCE | | |
| 9. TB14-1 | | 1330 | | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. TB14-3 | | 1330 | | 50 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | ▲ Sm | | |

SPECIAL INSTRUCTIONS: 4/16/21 - X 3-day TAT ▲ - 5-day TAT. Sm

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: TC 4/16 1015
   Received By: ALS 4-16-21 1015
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

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): EV2104008S

Date 4/15/21 Page 6 Of 10

PROJECT ID: 412007449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: SEE PG1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: SEE PG1
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ | BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ | MTBE by EPA 8260 ☐ | 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 ☐ | Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ | RCRA-8 ☐ | Pri Pol ☐ | TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ | VOA ☐ | Semi-Vol ☐ | Pest ☐ | Herbs ☐ | OTHER (Specify) HOLD | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB14-5 | 4/15/21 | 1335 | Soil | 51 | | | | | | | | ⊗ | | | | | | | | | | | | | | | | | | ✗ Sm | | |
| 2. TB14-11 | | 1340 | | 52 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | ✗ Sm | | |
| 3. TB14-13 | | 1340 | | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. TB15-1 | | 1355 | | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. TB15-2 | | 1355 | | 55 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | ✗ SVOL | | |
| 6. TB15-5 | | 1400 | | 56 | | | | | | | | ⊗ | | | | | | | | | | | | | | | | | | ✗ Sm | | |
| 7. TB15-6 | | 1400 | | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. TB15-11 | | 1405 | | 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. TB15-13 | | 1405 | | 59 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | ✗ Sm | | |
| 10. TB16-1 | ↓ | 1425 | ↓ | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS 4/16/21 - ⊗ 3-day TAT ▲ - 5-day TAT. Sm

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: SC 4/16 1015
   Received By: ALS 4-16-21 1015
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

**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): EV2104085

Date 4/17/21 Page 7 Of 10

PROJECT ID: GA207449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: SEE PG 1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: SEE PG 1
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ | BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ | MTBE by EPA 8260 ☐ | 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 ☐ | Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ | RCRA-8 ☐ | Pri Pol ☐ | TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ | VOA ☐ | Semi-Vol ☐ | Pest ☐ | Herbs ☐ | OTHER (Specify) HgLo | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB16-3 | 4/15/21 | 1425 | Soil | 61 | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 2. TB16-5 | | 1430 | | 62 | | | | | | | | ⊗ | | | | | | | | | | | | | | | | | | 5w | | |
| 3. TB16-7 | | 1430 | | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. TB16-11 | | 1435 | | 64 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | 5w | | |
| 5. TB16-13 | | 1435 | | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. TB17-1 | | 1445 | | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. TB17-3 | | 1445 | | 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. TB17-5 | | 1455 | | 68 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | 5w | | |
| 9. TB17-7 | | 1455 | | 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. TB17-9 | | 1455 | | 70 | | | | | | | | ▲ | | | | | | | | | | | | | | | | | | 5w | | |

SPECIAL INSTRUCTIONS 4/16/21 - ⊗ 3-day TAT ▲ - 5-day TAT. 5w

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: TC 4/16 1015
   Received By: ALS 4-16-21 1015
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

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)

EV2104085

Date 4/15/21 Page 6 Of 10

PROJECT ID: 4207449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: SEE PG 1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: SEE PG 1
ADDRESS:

ANALYSIS REQUESTED

OTHER (Specify)

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# |
|---|---|---|---|---|
| 1. TB17-11 | 4/15/21 | 1500 | Soil | 71 |
| 2. TB17-13 | | 1500 | | 72 |
| 3. TB17-16 | | 1525 | | 73 |
| 4. TB17-18 | | 1520 | | 74 |
| 5. TB18-1 | | 1540 | | 75 |
| 6. TB18-3 | | 1540 | | 76 |
| 7. TB18-5 | | 1545 | | 77 |
| 8. TB18-7 | | 1545 | | 78 |
| 9. TB18-11 | | 1550 | | 79 |
| 10. TB18-13 | | 1550 | | 80 |

NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ | BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ | MTBE by EPA 8260 ☐ | 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 ☐ | Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ | RCRA-8 ☐ | Pri Pol ☐ | TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ | VOA ☐ | Semi-Vol ☐ | Pest ☐ | Herbs ☐ | OTHER (Specify) | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION?

| LAB# | TCLP-Metals | OTHER (Specify) |
|---|---|---|
| 71 | X | |
| 72 | | 1 Sm |
| 73 | | |
| 74 | | 1 Sm |
| 75 | | TCLP PCE |
| 76 | | |
| 77 | | |
| 78 | | 1 Sm |
| 79 | | |
| 80 | | 1 Sm |

SPECIAL INSTRUCTIONS 4/16/21 - ⊗ - 3-day TAT ▲ - 5-day TAT Sm

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: TC 4/16 1015
   Received By: ALS 4-16-21 1015
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

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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): EV2104085

Date 4/15/21 Page 9 Of 10

PROJECT ID: 180449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: SEE PG 1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: SEE PG 1
ADDRESS:

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# |
|---|---|---|---|---|
| 1. TB18-16 | 4/15/21 | 1555 | Soil | 81 |
| 2. TB18-18 | ↓ | 1555 | ↓ | 82 |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |

ANALYSIS REQUESTED

| NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ▲ | | | | | | | | | |

OTHER (Specify): 8260B

| NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|
| 1 | K |
| 1 | K Sm |

SPECIAL INSTRUCTIONS 4/16/21 - (X) 3-day TAT ▲ - 5-day TAT Sm

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: TC 4/16 1015
   Received By: ALS 4-16-21 1015
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

ALS Environmental
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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)

EV2104085

Date 4.15.21 Page 10 Of 10

PROJECT ID: See Page 1 912074.49
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS:
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION: See Page 1
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# |
|---|---|---|---|---|
| 1. MW-1 | 4.15.21 | 1000 | W | 83 |
| 2. MW-2 | 4.15.21 | 920 | W | 84 |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |

| | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify) | | | | | | | | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hold | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | | | | | | ▲ | | | | | | | | | | X SM | | | | | | | | | |
| 2. | | | | | | ▲ | | | | | | | | | | X SM | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS 4/16/21 - ⓧ 3-day TAT ▲ - 5-day TAT SM

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: TC 4/16 1015
   Received By: ALS 4-16-21 1015
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.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

May 21, 2021

Kyle Bennett, Project Manager
Terracon
Pacific Cascade Building
21905 64th Ave. W., Suite 100
Mountlake Terrace, WA 98043

Dear Mr Bennett:

Included are the results from the testing of material submitted on May 18, 2021 from the View Ridge Plaza 81207449, F&BI 105326 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
TRR0521R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 18, 2021 by Friedman & Bruya, Inc. from the Terracon View Ridge Plaza 81207449, F&BI 105326 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Terracon |
|---|---|
| 105326 -01 | SW-E1-4 |
| 105326 -02 | SW-W1-4 |
| 105326 -03 | SW-W2-4 |
| 105326 -04 | BOT1-7.5 |
| 105326 -05 | BOT2-7.5 |

All quality control requirements were acceptable.

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E1-4 | Client: | Terracon |
| Date Received: | 05/18/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/19/21 | Lab ID: | 105326-01 |
| Date Analyzed: | 05/19/21 | Data File: | 051912.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 90 | 109 |
| Toluene-d8 | 93 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | 0.23 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | 0.25 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 12 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | 0.030 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-W1-4 | Client: | Terracon |
| Date Received: | 05/18/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/19/21 | Lab ID: | 105326-02 |
| Date Analyzed: | 05/19/21 | Data File: | 051913.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 90 | 109 |
| Toluene-d8 | 93 | 89 | 112 |
| 4-Bromofluorobenzene | 101 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | 0.75 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | 0.078 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 5.3 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 6.0 |
| Tetrachloroethene | 2.1 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | BOT1-7.5 | Client: | Terracon |
| Date Received: | 05/18/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/19/21 | Lab ID: | 105326-04 |
| Date Analyzed: | 05/19/21 | Data File: | 051910.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.10 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.035 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | BOT2-7.5 | Client: | Terracon |
| Date Received: | 05/18/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/19/21 | Lab ID: | 105326-05 |
| Date Analyzed: | 05/19/21 | Data File: | 051911.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 103 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.068 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | 0.058 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Terracon |
| Date Received: | Not Applicable | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/19/21 | Lab ID: | 01-1136 mb |
| Date Analyzed: | 05/19/21 | Data File: | 051909.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 104 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

Date of Report: 05/21/21
Date Received: 05/18/21
Project: View Ridge Plaza 81207449, F&BI 105326

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | 68 | 64 | 22-139 | 6 |
| Chloroethane | mg/kg (ppm) | 1 | 73 | 72 | 9-163 | 1 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | 81 | 79 | 47-128 | 2 |
| Methylene chloride | mg/kg (ppm) | 1 | 91 | 85 | 10-184 | 7 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | 87 | 84 | 67-129 | 4 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | 86 | 84 | 68-115 | 2 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 90 | 86 | 72-127 | 5 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | 90 | 86 | 56-135 | 5 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | 93 | 89 | 62-131 | 4 |
| Trichloroethene | mg/kg (ppm) | 1 | 93 | 88 | 63-121 | 6 |
| Tetrachloroethene | mg/kg (ppm) | 1 | 101 | 100 | 72-114 | 1 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

105326

# SAMPLE CHAIN OF CUSTODY

ME 05/18/21 VS1

Page # 1 of 1

Report To Kyle Bennett
Company Terracon
Address 21905 64th Ave W, Ste 100
City, State, ZIP Mountlake Terrace, WA 98043
Phone 425-771-3304 Email kyle.bennett@terracon

SAMPLERS (*signature*): Jeff Dobbins

PROJECT NAME: ViewRidge Plaza

PO #: 81207449

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
☐ Standard turnaround
☒ RUSH 24-hr
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Archive samples
☐ Other
Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | cVOCs | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-E1-4 | 01 A-D | 5/18/21 | 1400 | Soil | 4 | | | | | | | | X | | | | |
| SW-W1-4 | 02 | | 1405 | | 4 | | | | | | | | X | | | | |
| SW-W2-4 | 03 | | 1405 | | 4 | | | | | | | | X | | | | Hold per KB 5/18/21 ME |
| BOT1-7.5 | 04 | | 1400 | | 4 | | | | | | | | X | | | | |
| BOT2-7.5 | 05 | | 1400 | | 4 | | | | | | | | X | | | | |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: | Jeff Dobbins | Terracon | 5/18/21 | 1610 |
| Received by: ME | Khoa Hoang | FBI | 5/18/21 | 16:10 |
| Relinquished by: | | Samples received at 4 °C | | |
| Received by: | Samples received at °C | Samples received at °C | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

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fbi@isomedia.com
www.friedmanandbruya.com

May 21, 2021

Kyle Bennett, Project Manager
Terracon
Pacific Cascade Building
21905 64th Ave. W., Suite 100
Mountlake Terrace, WA 98043

Dear Mr Bennett:

Included are the results from the testing of material submitted on May 19, 2021 from the View Ridge Plaza 81207449, F&BI 105358 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jeff Dobbins
TRR0521R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 19, 2020 by Friedman & Bruya, Inc. from the Terracon View Ridge Plaza 81207449, F&BI 105358 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Terracon |
|---|---|
| 105358 -01 | SW-E2-4 |
| 105358 -02 | SW-S1-4 |
| 105358 -03 | SW-S2-12 |
| 105358 -04 | SW-W3-4 |
| 105358 -05 | SW-W4-7.5 |
| 105358 -06 | SW-W4-11 |
| 105358 -07 | BOT3-7.5 |
| 105358 -08 | BOT4-14 |

All quality control requirements were acceptable.

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E2-4 | Client: | Terracon |
| Date Received: | 05/19/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 105358-01 |
| Date Analyzed: | 05/20/21 | Data File: | 052012.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 1.2 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-S1-4 | Client: | Terracon |
| Date Received: | 05/19/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 105358-02 |
| Date Analyzed: | 05/20/21 | Data File: | 052010.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 90 | 109 |
| Toluene-d8 | 93 | 89 | 112 |
| 4-Bromofluorobenzene | 101 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 1.4 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-S2-12 | Client: | Terracon |
| Date Received: | 05/19/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 105358-03 |
| Date Analyzed: | 05/20/21 | Data File: | 052013.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 102 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 1.4 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.22 |
| Tetrachloroethene | 0.12 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-W3-4 | Client: | Terracon |
| Date Received: | 05/19/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 105358-04 |
| Date Analyzed: | 05/20/21 | Data File: | 052017.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 101 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | 0.084 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 7.5 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.70 |
| Tetrachloroethene | 0.14 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-W4-11 | Client: | Terracon |
| Date Received: | 05/19/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 105358-06 |
| Date Analyzed: | 05/20/21 | Data File: | 052014.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 90 | 109 |
| Toluene-d8 | 93 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.35 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.28 |
| Tetrachloroethene | 2.3 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | BOT3-7.5 | Client: | Terracon |
| Date Received: | 05/19/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 105358-07 |
| Date Analyzed: | 05/20/21 | Data File: | 052015.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 102 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | 0.16 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | 0.083 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 1.7 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | BOT4-14 | Client: | Terracon |
| Date Received: | 05/19/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 105358-08 |
| Date Analyzed: | 05/20/21 | Data File: | 052011.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 90 | 109 |
| Toluene-d8 | 93 | 89 | 112 |
| 4-Bromofluorobenzene | 102 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.070 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.092 |
| Tetrachloroethene | 0.051 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Terracon |
| Date Received: | Not Applicable | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 01-1140 mb |
| Date Analyzed: | 05/20/21 | Data File: | 052009.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 103 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

Date of Report: 05/21/21
Date Received: 05/19/21
Project: View Ridge Plaza 81207449, F&BI 105358

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 105361-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | <0.05 | 28 | 29 | 10-138 | 4 |
| Chloroethane | mg/kg (ppm) | 1 | <0.5 | 38 | 39 | 10-176 | 3 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 42 | 41 | 10-160 | 2 |
| Methylene chloride | mg/kg (ppm) | 1 | <0.5 | 53 | 53 | 10-156 | 0 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 51 | 50 | 14-137 | 2 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | <0.05 | 54 | 53 | 19-140 | 2 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 59 | 58 | 25-135 | 2 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | <0.05 | 60 | 60 | 12-160 | 0 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | <0.05 | 55 | 57 | 10-156 | 4 |
| Trichloroethene | mg/kg (ppm) | 1 | <0.02 | 59 | 58 | 21-139 | 2 |
| Tetrachloroethene | mg/kg (ppm) | 1 | <0.025 | 64 | 68 | 20-133 | 6 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | 70 | 22-139 |
| Chloroethane | mg/kg (ppm) | 1 | 78 | 9-163 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | 83 | 47-128 |
| Methylene chloride | mg/kg (ppm) | 1 | 87 | 10-184 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | 88 | 67-129 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | 88 | 68-115 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 91 | 72-127 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | 92 | 56-135 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | 94 | 62-131 |
| Trichloroethene | mg/kg (ppm) | 1 | 92 | 63-121 |
| Tetrachloroethene | mg/kg (ppm) | 1 | 99 | 72-114 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

105359

# SAMPLE CHAIN OF CUSTODY ME 05/19/21 V>2

Report To Kyle Bennett
Company Terracon
Address 21905 64th Ave W, Ste 100
City, State, ZIP Mountlake Terrace, WA 98043
Phone 425-771-3304 Email kyle.bennett@terracon.com, jeff.dobbins@terracon.com

SAMPLERS (*signature*): Jeff Dobbins
PROJECT NAME: View Ridge Plaza
PO #: 81207449
REMARKS: ~~4 to come~~ 5/5/20
Project specific RLs? - Yes / No
INVOICE TO:

Page # 1 of 1

TURNAROUND TIME
☐ Standard turnaround
☒ RUSH 24-hr
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Archive samples
☐ Other
Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED: NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | cVOCs | Hold | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-E2-4 | 01 A-D | 5/19/21 | 0920 | soil | 4 | | | | | | | | X | | | | |
| SW-S1-4 | 02 | | 0925 | | 4 | | | | | | | | X | | | | |
| SW-S2-12 | 03 | | 1420 | | 4 | | | | | | | | X | | | | |
| SW-W3-4 | 04 | | 0925 | | 4 | | | | | | | | X | | | | |
| SW-W4-7.5 | 05 | | 1320 | | 4 | | | | | | | | | X | | | |
| SW-W4-11 | 06 | | 1430 | | 4 | | | | | | | | X | | | | |
| BOT3-7.5 | 07 | | 0930 | | 4 | | | | | | | | X | | | | |
| BOT4-14 | 08 | | 1320 | | 4 | | | | | | | | X | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: | Jeff Dobbins | Terracon | 5/19/21 | 1615 |
| Received by: | Eric Young | F&B | 5/5/21 | 1615 |
| Relinquished by: | | | | |
| Received by: | | | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

Samples received at 4 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

May 24, 2021

Kyle Bennett, Project Manager
Terracon
Pacific Cascade Building
21905 64th Ave. W., Suite 100
Mountlake Terrace, WA 98043

Dear Mr Bennett:

Included are the results from the testing of material submitted on May 20, 2021 from the View Ridge Plaza 81207449, F&BI 105387 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jeff Dobbins
TRR0524R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 20, 2021 by Friedman & Bruya, Inc. from the Terracon View Ridge Plaza 81207449, F&BI 105387 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Terracon |
|---|---|
| 105387 -01 | SW-N1-10 |
| 105387 -02 | SW-N2-10 |

All quality control requirements were acceptable.

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-N1-10 | Client: | Terracon |
| Date Received: | 05/20/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 105387-01 |
| Date Analyzed: | 05/20/21 | Data File: | 052044.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 94 | 90 | 109 |
| Toluene-d8 | 93 | 89 | 112 |
| 4-Bromofluorobenzene | 103 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | 0.23 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 1.5 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.15 |
| Tetrachloroethene | 1.6 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-N2-10 | Client: | Terracon |
| Date Received: | 05/20/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 105387-02 |
| Date Analyzed: | 05/20/21 | Data File: | 052045.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 102 | 90 | 109 |
| Toluene-d8 | 92 | 89 | 112 |
| 4-Bromofluorobenzene | 102 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.31 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Terracon |
| Date Received: | Not Applicable | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 05/20/21 | Lab ID: | 01-1140 mb |
| Date Analyzed: | 05/20/21 | Data File: | 052009.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 103 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

Date of Report: 05/24/21
Date Received: 05/20/21
Project: View Ridge Plaza 81207449, F&BI 105387

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 105361-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | <0.05 | 28 | 29 | 10-138 | 4 |
| Chloroethane | mg/kg (ppm) | 1 | <0.5 | 38 | 39 | 10-176 | 3 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 42 | 41 | 10-160 | 2 |
| Methylene chloride | mg/kg (ppm) | 1 | <0.5 | 53 | 53 | 10-156 | 0 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 51 | 50 | 14-137 | 2 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | <0.05 | 54 | 53 | 19-140 | 2 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 59 | 58 | 25-135 | 2 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | <0.05 | 60 | 60 | 12-160 | 0 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | <0.05 | 55 | 57 | 10-156 | 4 |
| Trichloroethene | mg/kg (ppm) | 1 | <0.02 | 59 | 58 | 21-139 | 2 |
| Tetrachloroethene | mg/kg (ppm) | 1 | <0.025 | 64 | 68 | 20-133 | 6 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | 70 | 22-139 |
| Chloroethane | mg/kg (ppm) | 1 | 78 | 9-163 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | 83 | 47-128 |
| Methylene chloride | mg/kg (ppm) | 1 | 87 | 10-184 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | 88 | 67-129 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | 88 | 68-115 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 91 | 72-127 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | 92 | 56-135 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | 94 | 62-131 |
| Trichloroethene | mg/kg (ppm) | 1 | 92 | 63-121 |
| Tetrachloroethene | mg/kg (ppm) | 1 | 99 | 72-114 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

105387

# SAMPLE CHAIN OF CUSTODY

ME 05-20-21

Page # 1 of VS1

Report To Kyle Bennett

Company Terracon

Address 21905 64th Ave W, Ste 100

City, State, ZIP Mountlake Terrace, WA 98043

Phone 425-771-3304 Email kyle.bennett@terracon.com, jeff.dobbins@terracon.com

SAMPLERS (*signature*) Jeff Dobbins

PROJECT NAME: View Ridge Plaza

PO #: 61207449

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: Terracon

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24-hr
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | cVOCs | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-N1-10 | 01A-D | 5/20/21 | 0830 | soil | 4 | | | | | | | | X | | | | |
| SW-N2-10 | 02 | 〃 | 1320 | 〃 | 4 | | | | | | | | X | | | | |

ANALYSES REQUESTED

Samples received at 4 °C

| | SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|---|
| Relinquished by: | | Jeff Dobbins | Terracon | 5/20/21 | 1550 |
| Received by: | | Michael E-dell | FedEx | 5/20/21 | 1550 |
| Relinquished by: | | | | | |
| Received by: | | | | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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May 25, 2021

Kyle Bennett, Project Manager
Terracon
Pacific Cascade Building
21905 64th Ave. W., Suite 100
Mountlake Terrace, WA 98043

Dear Mr Bennett:

Included are the results from the testing of material submitted on May 21, 2021 from the View Ridge Plaza 81207449, F&BI 105411 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
TRR0525R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 21, 2021 by Friedman & Bruya, Inc. from the Terracon View Ridge Plaza 81207449, F&BI 105411 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Terracon |
|---|---|
| 105411 -01 | SW-S3-4 |
| 105411 -02 | SW-S3-10 |
| 105411 -03 | SW-N3-10 |
| 105411 -04 | BOT5-15 |

All quality control requirements were acceptable.

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-S3-4 | Client: | Terracon |
| Date Received: | 05/21/21 | Project: | View Ridge Plaza 81207449, F&BI 105411 |
| Date Extracted: | 05/21/21 | Lab ID: | 105411-01 |
| Date Analyzed: | 05/21/21 | Data File: | 052143.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 90 | 109 |
| Toluene-d8 | 93 | 89 | 112 |
| 4-Bromofluorobenzene | 102 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | 0.050 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | 0.068 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 4.1 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-S3-10 | Client: | Terracon |
| Date Received: | 05/21/21 | Project: | View Ridge Plaza 81207449, F&BI 105411 |
| Date Extracted: | 05/21/21 | Lab ID: | 105411-02 |
| Date Analyzed: | 05/21/21 | Data File: | 052144.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 101 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | 0.097 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | 0.060 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 3.9 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.26 |
| Tetrachloroethene | 0.042 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-N3-10 | Client: | Terracon |
| Date Received: | 05/21/21 | Project: | View Ridge Plaza 81207449, F&BI 105411 |
| Date Extracted: | 05/21/21 | Lab ID: | 105411-03 |
| Date Analyzed: | 05/21/21 | Data File: | 052145.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.80 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | BOT5-15 | Client: | Terracon |
| Date Received: | 05/21/21 | Project: | View Ridge Plaza 81207449, F&BI 105411 |
| Date Extracted: | 05/21/21 | Lab ID: | 105411-04 |
| Date Analyzed: | 05/21/21 | Data File: | 052146.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Terracon |
| Date Received: | Not Applicable | Project: | View Ridge Plaza 81207449, F&BI 105411 |
| Date Extracted: | 05/21/21 | Lab ID: | 01-1144 mb |
| Date Analyzed: | 05/21/21 | Data File: | 052133.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 103 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

Date of Report: 05/25/21
Date Received: 05/21/21
Project: View Ridge Plaza 81207449, F&BI 105411

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 105413-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | <0.05 | 25 | 25 | 10-138 | 0 |
| Chloroethane | mg/kg (ppm) | 1 | <0.5 | 39 | 36 | 10-176 | 8 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 43 | 39 | 10-160 | 10 |
| Methylene chloride | mg/kg (ppm) | 1 | <0.5 | 61 | 58 | 10-156 | 5 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 50 | 46 | 14-137 | 8 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | <0.05 | 52 | 51 | 19-140 | 2 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 56 | 54 | 25-135 | 4 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | <0.05 | 57 | 55 | 12-160 | 4 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | <0.05 | 56 | 53 | 10-156 | 6 |
| Trichloroethene | mg/kg (ppm) | 1 | <0.02 | 64 | 65 | 21-139 | 2 |
| Tetrachloroethene | mg/kg (ppm) | 1 | <0.025 | 66 | 63 | 20-133 | 5 |

Date of Report: 05/25/21
Date Received: 05/21/21
Project: View Ridge Plaza 81207449, F&BI 105411

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | 64 | 22-139 |
| Chloroethane | mg/kg (ppm) | 1 | 74 | 9-163 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | 80 | 47-128 |
| Methylene chloride | mg/kg (ppm) | 1 | 83 | 10-184 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | 85 | 67-129 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | 84 | 68-115 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 86 | 72-127 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | 90 | 56-135 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | 91 | 62-131 |
| Trichloroethene | mg/kg (ppm) | 1 | 91 | 63-121 |
| Tetrachloroethene | mg/kg (ppm) | 1 | 101 | 72-114 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

# SAMPLE CHAIN OF CUSTODY

ME 5/21/21 VS1

Page # 1 of

10541

Report To Kyle Bennett

Company Terracon

Address 21905 64th Ave W, Ste 100

City, State, ZIP Mountlake Terrace, WA 98043

Phone 425-771-3304 Email kyle.bennett@terracon

SAMPLERS (*signature*) Jeff Dobbins

PROJECT NAME View Ridge Plaza

PO # 81207449

REMARKS

Project specific RLs? - Yes / No

INVOICE TO Terracon

TURNAROUND TIME

☐ Standard turnaround

☒ RUSH 24-hr

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive samples

☐ Other

Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED: NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | cVOCs | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-S3-4 | 01 A-D | 5/21/21 | 0825 | Soil | 4 | | | | | | | | X | | | | |
| SW-S3-10 | 02 | | 1055 | | 4 | | | | | | | | X | | | | |
| SW-N3-10 | 03 | | 0900 | | 4 | | | | | | | | X | | | | |
| BOTS-15 | 04 | | 1055 | | 4 | | | | | | | | X | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Samples received at 4 °C

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: Zachary Butters | Zach Butters | Terracon | 5/21/21 | 1256 |
| Received by: Hong | HONG NGUYEN | FBT | ✓ | ✓ |
| Relinquished by: | | | | |
| Received by: | | | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

Libby Environmental, Inc.
3322 South Bay Road NE • Olympia, WA 98506-2957

June 15, 2021

Kyle Bennett
Terracon Consultants, Inc.
21905 64th Avenue W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett:

Please find enclosed the analytical data report for the View Ridge Plaza Project located in Everett, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of within 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
*Senior Chemist*
*Libby Environmental, Inc.*

Phone (360) 352-2110 • Fax (360) 352-4154 • libbyenv@gmail.com

# Libby Environmental, Inc.

# Chain of Custody Record

www.LibbyEnvironmental.com

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: 6/11/21 Page: 1 of 1

Client: Terracon
Project Manager: Kyle Bennett
Address: 21905 64th Ave W, Ste 100
Project Name: View Ridge Plaza
City: Mountlake Terrace State: WA Zip: 98043
Location: 220 Olympic Blvd City, State: Everett, WA
Phone: 425-771-3304 Fax:
Collector: jeff dobbins Date of Collection: 6/10/21 & 6/11
Client Project # 81207449
Email: jeff.dobbins Kyle.bennett@terracon

| Sample Number | Depth | Time | Sample Type | Container Type | VOC 8260 PCE+Breakdowns | NWTPH-Gx | BTEX 8021 | NWTPH-HCID | NWTPH-Dx | NWTPH-Dx/Dx | c PAH 8270 | PAH 8270 | Semi Vol 8270 | PCB 8082 | MTCA 5 Metals | RCRA 8 Metals | | | Field Notes (PID) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 SW-W5-12 | 12 | 1230 | Soil | | X | | | | | | | | | | | | | | 0.6 6/10/21 |
| 2 SW-N6-8 | 8 | 1245 | Soil | | X | | | | | | | | | | | | | | 13.7 |
| 3 SW-N7-6 | 6 | 1255 | Soil | | X | | | | | | | | | | | | | | 6.2 |
| 4 SW-N4-12 | 12 | 1115 | Soil | | X | | | | | | | | | | | | | | 6.8 |
| 5 SW-N5-5 | 5 | 1225 | Soil | | X | | | | | | | | | | | | | | 28.6 |
| 6 SW-W6-9 | 9 | 0755 | Soil | | X | | | | | | | | | | | | | | 0.7 6/11/21 |
| 7 BOT6-16 | 16 | 0905 | Soil | | X | | | | | | | | | | | | | | 12.7 |
| 8 BOT7-16 | 16 | 0945 | Soil | | X | | | | | | | | | | | | | | 1.7 |
| 9 SW-W7-12 | 12 | 1115 | Soil | | X | | | | | | | | | | | | | | 37.0 |
| 10 SW-W8-11 | 11 | 1155 | Soil | | X | | | | | | | | | | | | | | 10.7 |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |

| Relinquished by: | Date / Time | Received by: | Date / Time |
|---|---|---|---|
| Jeff Dobbins | 6/11/21 1410 | | 6/11/21 1410 |
| Relinquished by: | Date / Time | Received by: | Date / Time |
| Relinquished by: | Date / Time | Received by: | Date / Time |

**Sample Receipt**

| | | |
|---|---|---|
| Good Condition? | Y | N |
| Cooler Temp. | | °C |
| Sample Temp. | | °C |
| Total Number of Containers | | |

Remarks:

ML

TAT: 24HR 48HR 5-DAY

LEGAL ACTION CLAUSE: *In the event of default of payment and/or failure to pay, Client agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a cout of law.*

Distribution: White - Lab, Yellow - File, Pink - Originator

# Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

VIEW RIDGE PLAZA PROJECT
Terracon Consultants, Inc.
Everett, Washington
Libby Project # L210611-40
Client Project # 81207449

**Volatile Organic Compounds by EPA Method 8260D in Soil**

| Sample Description | | Method Blank | SW-W5-12 | SW-N6-8 | SW-N7-6 | SW-N4-12 | SW-N5-5 |
|---|---|---|---|---|---|---|---|
| Date Sampled | | N/A | 6/10/2021 | 6/10/2021 | 6/10/2021 | 6/10/2021 | 6/10/2021 |
| Date Analyzed | PQL (mg/kg) | 6/11/2021 (mg/kg) | 6/11/2021 (mg/kg) | 6/11/2021 (mg/kg) | 6/11/2021 (mg/kg) | 6/11/2021 (mg/kg) | 6/11/2021 (mg/kg) |
| Vinyl Chloride (VC) | 0.02 | nd | nd | nd | nd | 0.79 | 0.17 |
| 1,1-Dichloroethene | 0.05 | nd | nd | nd | nd | nd | nd |
| trans-1,2-Dichloroethene | 0.03 | nd | nd | nd | nd | 0.087 | 0.46 |
| *cis* -1,2-Dichloroethene | 0.03 | nd | 0.041 | 0.039 | nd | 7.4 | 8.4 |
| Trichloroethene (TCE) | 0.02 | nd | 0.021 | 0.052 | nd | nd | nd |
| Tetrachloroethene (PCE) | 0.03 | nd | 0.42 | 0.048 | nd | nd | nd |
| Surrogate Recovery | | | | | | | |
| Dibromofluoromethane | | 125 | 112 | 127 | 120 | 135 | 124 |
| 1,2-Dichloroethane-d4 | | 126 | 119 | 127 | 133 | 131 | 126 |
| Toluene-d8 | | 97 | 91 | 93 | 91 | 95 | 97 |
| 4-Bromofluorobenzene | | 103 | 80 | 96 | 91 | 93 | 95 |

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

# Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

VIEW RIDGE PLAZA PROJECT
Terracon Consultants, Inc.
Everett, Washington
Libby Project # L210611-40
Client Project # 81207449

**Volatile Organic Compounds by EPA Method 8260D in Soil**

| Sample Description | | SW-W6-9 | SW-W6-9 Dup | BOT6-16 | BOT7-16 | SW-W7-12 | SW-W8-11 |
|---|---|---|---|---|---|---|---|
| Date Sampled | | 6/11/2021 | 6/11/2021 | 6/11/2021 | 6/11/2021 | 6/11/2021 | 6/11/2021 |
| Date Analyzed | PQL | 6/11/2021 | 6/11/2021 | 6/11/2021 | 6/11/2021 | 6/11/2021 | 6/11/2021 |
| | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Vinyl Chloride (VC) | 0.02 | nd | nd | 1.1 | 0.022 | 0.056 | nd |
| 1,1-Dichloroethene | 0.05 | nd | nd | 0.087 | nd | nd | nd |
| trans-1,2-Dichloroethene | 0.03 | nd | nd | 0.52 | nd | nd | nd |
| *cis* -1,2-Dichloroethene | 0.03 | nd | nd | 8.0 | nd | 0.21 | nd |
| Trichloroethene (TCE) | 0.02 | nd | nd | 0.14 | nd | 0.34 | 0.044 |
| Tetrachloroethene (PCE) | 0.03 | nd | nd | nd | nd | 2.5 | 0.050 |
| Surrogate Recovery | | | | | | | |
| Dibromofluoromethane | | 127 | 126 | 131 | 129 | 126 | 133 |
| 1,2-Dichloroethane-d4 | | 133 | 134 | 130 | 132 | 131 | 132 |
| Toluene-d8 | | 95 | 94 | 94 | 93 | 93 | 93 |
| 4-Bromofluorobenzene | | 94 | 97 | 96 | 95 | 90 | 97 |

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

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VIEW RIDGE PLAZA PROJECT
Terracon Consultants, Inc.
Everett, Washington
Libby Project # L210611-40
Client Project # 81207449

## QA/QC for Volatile Organic Compounds by EPA Method 8260D in Soil

Matrix Spike Sample Identification: SW-W8-11

Date Analyzed: 6/11/2021

| | Spiked Conc. (mg/kg) | MS Response (mg/kg) | MS Recovery (%) | Limits Recovery (%) | Data Flag |
|---|---|---|---|---|---|
| Vinyl Chloride (VC) | 0.25 | 0.35 | 140 | 65-135 | S |
| 1,1-Dichloroethene | 0.25 | 0.35 | 140 | 65-135 | S |
| trans-1,2-Dichloroethene | 0.25 | 0.36 | 143 | 65-135 | S |
| *cis* -1,2-Dichloroethene | 0.25 | 0.24 | 96 | 65-135 | |
| Trichloroethene (TCE) | 0.25 | 0.24 | 96 | 65-135 | |
| Tetrachloroethene (PCE) | 0.25 | 0.27 | 108 | 65-135 | |

| Surrogate Recovery (%) | MS | |
|---|---|---|
| Dibromofluoromethane | 118 | 65-135 |
| 1,2-Dichloroethane-d4 | 133 | 65-135 |
| Toluene-d8 | 80 | 65-135 |
| 4-Bromofluorobenzene | 105 | 65-135 |

ACCEPTABLE RPD IS 35%
"S" Spike recovery is outside acceptable limits.

ANALYSES PERFORMED BY: Paul Burke

## Laboratory Control Sample

Date Analyzed: 6/11/2021

| | Spiked Conc. (mg/kg) | LCS Response (mg/kg) | LCS Recovery (%) | LCS Recovery Limits (%) | Data Flag |
|---|---|---|---|---|---|
| Vinyl Chloride (VC) | 0.25 | 0.30 | 118 | 80-120 | |
| 1,1-Dichloroethene | 0.25 | 0.27 | 108 | 80-120 | |
| trans-1,2-Dichloroethene | 0.25 | 0.28 | 112 | 80-120 | |
| *cis* -1,2-Dichloroethene | 0.25 | 0.23 | 92 | 80-120 | |
| Trichloroethene (TCE) | 0.25 | 0.27 | 108 | 80-120 | |
| Tetrachloroethene (PCE) | 0.25 | 0.26 | 104 | 80-120 | |

| Surrogate Recovery | | |
|---|---|---|
| Dibromofluoromethane | 118 | 65-135 |
| 1,2-Dichloroethane-d4 | 132 | 65-135 |
| Toluene-d8 | 97 | 65-135 |
| 4-Bromofluorobenzene | 108 | 65-135 |

ANALYSES PERFORMED BY: Paul Burke

Libby Environmental, Inc.
3322 South Bay Road NE • Olympia, WA 98506-2957

June 16, 2021

Kyle Bennett
Terracon Consultants, Inc.
21905 64th Avenue W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett:

Please find enclosed the analytical data report for the View Ridge Plaza Project located in Everett, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of within 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
*Senior Chemist*
*Libby Environmental, Inc.*

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# Libby Environmental, Inc.

# Chain of Custody Record

www.LibbyEnvironmental.com

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: 6/14/21 Page: 1 of 1

Client: Terracon

Project Manager: Kyle Bennett

Address:

Project Name: View Ridge Plaza

City: State: Zip:

Location: City, State: Everett, Washington

Phone: Fax:

Collector: Jeff Dobbins Date of Collection:

Client Project # 8120744 9

Email:

| Sample Number | Depth | Time | Sample Type | Container Type | VOC 8260 PCE+Breakdowns | NWTPH-Gx | BTEX 8021 | NWTPH-HCID | NWTPH-Dx | NWTPH-Dx/Dx | c PAH 8270 | PAH 8270 | Semi Vol 8270 | PCB 8082 | MTCA 5 Metals | RCRA 8 Metals | | | Field Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 SW-S4-6 | 6 | 835 | Soil | 1 Jar, 2 Vials | X | | | | | | | | | | | | | | |
| 2 BOT8-13 | 13 | 935 | Soil | " | X | | | | | | | | | | | | | | |
| 3 SW-N6-10 | 10 | 1255 | Soil | " | X | | | | | | | | | | | | | | |
| 4 BOT6-17 | 17 | 1305 | Soil | " | X | | | | | | | | | | | | | | |
| 5 BOT9-16 | 16 | 1315 | Soil | " | X | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |

| Relinquished by: | Date / Time | Received by: | Date / Time |
|---|---|---|---|
| | 6/14/21 1532 | | 6/14/21 1532 |
| Relinquished by: | Date / Time | Received by: | Date / Time |
| Relinquished by: | Date / Time | Received by: | Date / Time |

**Sample Receipt**

| | | |
|---|---|---|
| Good Condition? | Y | N |
| Cooler Temp. | | °C |
| Sample Temp. | | °C |
| Total Number of Containers | | |

Remarks:

ML

TAT: 24HR 48HR 5-DAY

LEGAL ACTION CLAUSE: *In the event of default of payment and/or failure to pay, Client agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a cout of law.*

Distribution: White - Lab, Yellow - File, Pink - Originator

# Libby Environmental, Inc.

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Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

VIEW RIDGE PLAZA PROJECT
Terracon Consultants, Inc.
Everett, Washington
Libby Project # L210614-40
Client Project # 81207449

**Volatile Organic Compounds by EPA Method 8260D in Soil**

| Sample Description | | Method Blank | SW-S4-6 | BOT8-13 | SW-N6-10 | BOT6-17 | BOT9-16 |
|---|---|---|---|---|---|---|---|
| Date Sampled | | N/A | 6/14/2021 | 6/14/2021 | 6/14/2021 | 6/14/2021 | 6/14/2021 |
| Date Analyzed | PQL (mg/kg) | 6/14/2021 (mg/kg) | 6/14/2021 (mg/kg) | 6/14/2021 (mg/kg) | 6/14/2021 (mg/kg) | 6/14/2021 (mg/kg) | 6/14/2021 (mg/kg) |
| Vinyl Chloride (VC) | 0.02 | nd | 0.052 | nd | nd | nd | nd |
| 1,1-Dichloroethene | 0.05 | nd | nd | nd | nd | nd | nd |
| trans-1,2-Dichloroethene | 0.03 | nd | nd | nd | nd | nd | nd |
| *cis* -1,2-Dichloroethene | 0.03 | nd | 0.12 | nd | nd | nd | nd |
| Trichloroethene (TCE) | 0.02 | nd | 0.34 | nd | nd | nd | nd |
| Tetrachloroethene (PCE) | 0.03 | nd | 1.1 | nd | nd | nd | nd |
| Surrogate Recovery | | | | | | | |
| Dibromofluoromethane | | 125 | 112 | 108 | 97 | 66 | 115 |
| 1,2-Dichloroethane-d4 | | 126 | 122 | 116 | 98 | 73 | 127 |
| Toluene-d8 | | 93 | 92 | 94 | 84 | 69 | 97 |
| 4-Bromofluorobenzene | | 104 | 83 | 84 | 66 | 67 | 87 |

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

# Libby Environmental, Inc.

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Email: libbyenv@gmail.com

VIEW RIDGE PLAZA PROJECT
Terracon Consultants, Inc.
Everett, Washington
Libby Project # L210614-40
Client Project # 81207449

**Volatile Organic Compounds by EPA Method 8260D in Soil**

| Sample Description | | BOT9-16 Dup |
|---|---|---|
| Date Sampled | | 6/14/2021 |
| Date Analyzed | PQL (mg/kg) | 6/14/2021 (mg/kg) |
| Vinyl Chloride (VC) | 0.02 | nd |
| 1,1-Dichloroethene | 0.05 | nd |
| trans-1,2-Dichloroethene | 0.03 | nd |
| *cis* -1,2-Dichloroethene | 0.03 | nd |
| Trichloroethene (TCE) | 0.02 | nd |
| Tetrachloroethene (PCE) | 0.03 | nd |
| Surrogate Recovery | | |
| Dibromofluoromethane | | 100 |
| 1,2-Dichloroethane-d4 | | 105 |
| Toluene-d8 | | 87 |
| 4-Bromofluorobenzene | | 69 |

"nd" Indicates not detected at listed detection limit.
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ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

# Libby Environmental, Inc.

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Olympia, WA 98506
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Email: libbyenv@gmail.com

VIEW RIDGE PLAZA PROJECT
Terracon Consultants, Inc.
Everett, Washington
Libby Project # L210614-40
Client Project # 81207449

## QA/QC for Volatile Organic Compounds by EPA Method 8260D in Soil

Matrix Spike Sample Identification: BOT8-13

Date Analyzed: 6/14/2021

| | Spiked Conc. (mg/kg) | MS Response (mg/kg) | MS Recovery (%) | Limits Recovery (%) | Data Flag |
|---|---|---|---|---|---|
| Vinyl Chloride (VC) | 0.25 | 0.27 | 108 | 65-135 | |
| 1,1-Dichloroethene | 0.25 | 0.29 | 116 | 65-135 | |
| trans-1,2-Dichloroethene | 0.25 | 0.27 | 108 | 65-135 | |
| *cis* -1,2-Dichloroethene | 0.25 | 0.20 | 80 | 65-135 | |
| Trichloroethene (TCE) | 0.25 | 0.26 | 104 | 65-135 | |
| Tetrachloroethene (PCE) | 0.25 | 0.25 | 100 | 65-135 | |

| Surrogate Recovery (%) | MS | |
|---|---|---|
| Dibromofluoromethane | 100 | 65-135 |
| 1,2-Dichloroethane-d4 | 106 | 65-135 |
| Toluene-d8 | 78 | 65-135 |
| 4-Bromofluorobenzene | 71 | 65-135 |

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Paul Burke

## Laboratory Control Sample

Date Analyzed: 6/14/2021

| | Spiked Conc. (mg/kg) | LCS Response (mg/kg) | LCS Recovery (%) | LCS Recovery Limits (%) | Data Flag |
|---|---|---|---|---|---|
| Vinyl Chloride (VC) | 0.25 | 0.28 | 112 | 80-120 | |
| 1,1-Dichloroethene | 0.25 | 0.27 | 108 | 80-120 | |
| trans-1,2-Dichloroethene | 0.25 | 0.29 | 116 | 80-120 | |
| *cis* -1,2-Dichloroethene | 0.25 | 0.23 | 92 | 80-120 | |
| Trichloroethene (TCE) | 0.25 | 0.28 | 112 | 80-120 | |
| Tetrachloroethene (PCE) | 0.25 | 0.27 | 108 | 80-120 | |

| Surrogate Recovery | | |
|---|---|---|
| Dibromofluoromethane | 126 | 65-135 |
| 1,2-Dichloroethane-d4 | 134 | 65-135 |
| Toluene-d8 | 96 | 65-135 |
| 4-Bromofluorobenzene | 109 | 65-135 |

ANALYSES PERFORMED BY: Paul Burke

Libby Environmental, Inc.
3322 South Bay Road NE • Olympia, WA 98506-2957

June 16, 2021

Kyle Bennett
Terracon Consultants, Inc.
21905 64th Avenue W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett:

Please find enclosed the analytical data report for the View Ridge Plaza Project located in Everett, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of within 30 days unless we are contacted to arrange long term storage.

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Sincerely,

Sherry L. Chilcutt
*Senior Chemist*
*Libby Environmental, Inc.*

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# Libby Environmental, Inc.

# Chain of Custody Record

www.LibbyEnvironmental.com

3322 South Bay Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: 6/15/21 Page: 1 of 1

Client: Terracon

Project Manager: Kyle Bennet

Address:

Project Name: View Ridge Plaza

City: State: Zip:

Location: City, State: Everett WA

Phone: Fax:

Collector: Jeff Dobbins Date of Collection: 6/15/21

Client Project # 81207449

Email:

| | Sample Number | Depth | Time | Sample Type | Container Type | VOC 8260 PCE & Bioattenuation | NWTPH-Gx | BTEX 8021 | NWTPH-HCID | NWTPH-Dx | NWTPH-Dx/Dx | c PAH 8270 | PAH 8270 | Semi Vol 8270 | PCB 8082 | MTCA 5 Metals | RCRA 8 Metals | | | Field Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BOT10-9 | 9 | 7:30 | Soil | 1-Jar, 2-Vials | X | | | | | | | | | | | | | | |
| 2 | SW-S5-6 | 6 | 7:30 | Soil | " " | X | | | | | | | | | | | | | | |
| 3 | BOT11-23 | 23 | 8:45 | Soil | " " | X | | | | | | | | | | | | | | |
| 4 | BOT12-13 | 13 | 1040 | Soil | " " | X | | | | | | | | | | | | | | |
| 5 | SW-S6-5 | 5 | 1135 | Soil | " " | X | | | | | | | | | | | | | | |
| 6 | BOT13-8 | 8 | 1300 | Soil | " " | X | | | | | | | | | | | | | | |
| 7 | SW-E3-5 | 5 | 1350 | Soil | " " | X | | | | | | | | | | | | | | |
| 8 | SW-E4-5 | 5 | 1315 | Soil | " " | X | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | |

| Relinquished by: | Date / Time | Received by: | Date / Time |
|---|---|---|---|
| [signature] | 6/16/21 | [signature] | 6/15/21 1450 |
| Relinquished by: | Date / Time | Received by: | Date / Time |
| [signature] | 6/15/21 1450 | | |
| Relinquished by: | Date / Time | Received by: | Date / Time |

**Sample Receipt**

| | | |
|---|---|---|
| Good Condition? | Y | N |
| Cooler Temp. | | °C |
| Sample Temp. | | °C |
| Total Number of Containers | | |

Remarks: Mobile Lab

TAT: 24HR 48HR 5-DAY

LEGAL ACTION CLAUSE: *In the event of default of payment and/or failure to pay, Client agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a cout of law.*

Distribution: White - Lab, Yellow - File, Pink - Originator

# Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

VIEW RIDGE PLAZA PROJECT
Terracon Consultants, Inc.
Everett, Washington
Libby Project # L210615-40
Client Project # 81207449

**Volatile Organic Compounds by EPA Method 8260D in Soil**

| Sample Description | | Method Blank | BOT10-9 | SW-S5-6 | BOT11-23 | BOT11-23 Dup | BOT12-13 |
|---|---|---|---|---|---|---|---|
| Date Sampled | | N/A | 6/15/2021 | 6/15/2021 | 6/15/2021 | 6/15/2021 | 6/15/2021 |
| Date Analyzed | PQL (mg/kg) | 6/15/2021 (mg/kg) | 6/15/2021 (mg/kg) | 6/15/2021 (mg/kg) | 6/15/2021 (mg/kg) | 6/15/2021 (mg/kg) | 6/15/2021 (mg/kg) |
| Vinyl Chloride (VC) | 0.02 | nd | nd | nd | nd | nd | 0.038 |
| 1,1-Dichloroethene | 0.05 | nd | nd | nd | nd | nd | nd |
| trans-1,2-Dichloroethene | 0.03 | nd | nd | nd | nd | nd | nd |
| *cis* -1,2-Dichloroethene | 0.03 | nd | nd | 0.075 | nd | nd | 0.082 |
| Trichloroethene (TCE) | 0.02 | nd | nd | nd | nd | nd | nd |
| Tetrachloroethene (PCE) | 0.03 | nd | nd | nd | nd | nd | nd |
| Surrogate Recovery | | | | | | | |
| Dibromofluoromethane | | 126 | 130 | 128 | 131 | 130 | 130 |
| 1,2-Dichloroethane-d4 | | 110 | 131 | 130 | 134 | 133 | 129 |
| Toluene-d8 | | 90 | 97 | 89 | 92 | 93 | 89 |
| 4-Bromofluorobenzene | | 89 | 95 | 88 | 95 | 91 | 90 |

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

# Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

VIEW RIDGE PLAZA PROJECT
Terracon Consultants, Inc.
Everett, Washington
Libby Project # L210615-40
Client Project # 81207449

**Volatile Organic Compounds by EPA Method 8260D in Soil**

| Sample Description | | SW-S6-5 | BOT13-8 | SW-E3-5 | SW-E4-5 |
|---|---|---|---|---|---|
| Date Sampled | | 6/15/2021 | 6/15/2021 | 6/15/2021 | 6/15/2021 |
| Date Analyzed | PQL | 6/15/2021 | 6/15/2021 | 6/15/2021 | 6/15/2021 |
| | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Vinyl Chloride (VC) | 0.02 | nd | nd | nd | nd |
| 1,1-Dichloroethene | 0.05 | nd | nd | nd | nd |
| trans-1,2-Dichloroethene | 0.03 | nd | nd | nd | nd |
| *cis* -1,2-Dichloroethene | 0.03 | nd | nd | nd | 0.035 |
| Trichloroethene (TCE) | 0.02 | nd | nd | nd | 0.058 |
| Tetrachloroethene (PCE) | 0.03 | nd | nd | nd | 0.19 |
| Surrogate Recovery | | | | | |
| Dibromofluoromethane | | 128 | 125 | 134 | 130 |
| 1,2-Dichloroethane-d4 | | 128 | 130 | 132 | 131 |
| Toluene-d8 | | 101 | 95 | 93 | 90 |
| 4-Bromofluorobenzene | | 98 | 102 | 103 | 88 |

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

# Libby Environmental, Inc.

3322 South Bay Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@gmail.com

VIEW RIDGE PLAZA PROJECT
Terracon Consultants, Inc.
Everett, Washington
Libby Project # L210615-40
Client Project # 81207449

## QA/QC for Volatile Organic Compounds by EPA Method 8260D in Soil

Matrix Spike Sample Identification: BOT11-23
Date Analyzed: 6/15/2021

| | Spiked Conc. (mg/kg) | MS Response (mg/kg) | MSD Response (mg/kg) | MS Recovery (%) | MSD Recovery (%) | RPD (%) | Limits Recovery (%) | Data Flag |
|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride (VC) | 0.25 | 0.40 | 0.32 | 160 | 128 | 22.2 | 65-135 | S |
| 1,1-Dichloroethene | 0.25 | 0.45 | 0.38 | 180 | 152 | 16.9 | 65-135 | S |
| trans-1,2-Dichloroethene | 0.25 | 0.33 | 0.38 | 132 | 152 | 14.1 | 65-135 | S |
| *cis* -1,2-Dichloroethene | 0.25 | 0.22 | 0.25 | 88 | 100 | 12.8 | 65-135 | |
| Trichloroethene (TCE) | 0.25 | 0.20 | 0.27 | 80 | 108 | 29.8 | 65-135 | |
| Tetrachloroethene (PCE) | 0.25 | 0.20 | 0.28 | 80 | 112 | 33.3 | 65-135 | |

| Surrogate Recovery (%) | MS | MSD | |
|---|---|---|---|
| Dibromofluoromethane | 125 | 104 | 65-135 |
| 1,2-Dichloroethane-d4 | 131 | 105 | 65-135 |
| Toluene-d8 | 76 | 78 | 65-135 |
| 4-Bromofluorobenzene | 128 | 111 | 65-135 |

ACCEPTABLE RPD IS 35%
"S" Spike recovery is outside acceptable limits.

ANALYSES PERFORMED BY: Paul Burke

## Laboratory Control Sample

Date Analyzed: 6/15/2021

| | Spiked Conc. (mg/kg) | LCS Response (mg/kg) | LCS Recovery (%) | LCS Recovery Limits (%) | Data Flag |
|---|---|---|---|---|---|
| Vinyl Chloride (VC) | 0.25 | 0.28 | 112 | 80-120 | |
| 1,1-Dichloroethene | 0.25 | 0.28 | 112 | 80-120 | |
| trans-1,2-Dichloroethene | 0.25 | 0.28 | 112 | 80-120 | |
| *cis* -1,2-Dichloroethene | 0.25 | 0.24 | 96 | 80-120 | |
| Trichloroethene (TCE) | 0.25 | 0.26 | 104 | 80-120 | |
| Tetrachloroethene (PCE) | 0.25 | 0.22 | 88 | 80-120 | |

| Surrogate Recovery | | | |
|---|---|---|---|
| Dibromofluoromethane | 129 | 65-135 | |
| 1,2-Dichloroethane-d4 | 128 | 65-135 | |
| Toluene-d8 | 101 | 65-135 | |
| 4-Bromofluorobenzene | 115 | 65-135 | |

ANALYSES PERFORMED BY: Paul Burke

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 18, 2021

Kyle Bennett, Project Manager
Terracon
Pacific Cascade Building
21905 64th Ave. W., Suite 100
Mountlake Terrace, WA 98043

Dear Mr Bennett:

Included are the results from the testing of material submitted on June 16, 2021 from the View Ridge Plaza 81207449, F&BI 106277 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
TRR0618R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 16, 2020 by Friedman & Bruya, Inc. from the Terracon View Ridge Plaza 81207449, F&BI 106277 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Terracon |
|---|---|
| 106277 -01 | SW-E4-8 |
| 106277 -02 | SW-E5-8 |
| 106277 -03 | SW-E6-2.5 |
| 106277 -04 | SW-E6-5 |
| 106277 -05 | SW-E6-7.5 |
| 106277 -06 | SW-E6-10 |
| 106277 -07 | SW-E7-5 |
| 106277 -08 | SW-E8-5 |

All quality control requirements were acceptable.

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E4-8 | Client: | Terracon |
| Date Received: | 06/16/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106277-01 |
| Date Analyzed: | 06/17/21 | Data File: | 061705.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 84 | 118 |
| Toluene-d8 | 93 | 86 | 117 |
| 4-Bromofluorobenzene | 99 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E5-8 | Client: | Terracon |
| Date Received: | 06/16/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106277-02 |
| Date Analyzed: | 06/17/21 | Data File: | 061706.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 113 | 84 | 118 |
| Toluene-d8 | 96 | 86 | 117 |
| 4-Bromofluorobenzene | 97 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E6-2.5 | Client: | Terracon |
| Date Received: | 06/16/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106277-03 |
| Date Analyzed: | 06/17/21 | Data File: | 061707.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 122 vo | 84 | 118 |
| Toluene-d8 | 104 | 86 | 117 |
| 4-Bromofluorobenzene | 109 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E6-5 | Client: | Terracon |
| Date Received: | 06/16/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106277-04 |
| Date Analyzed: | 06/17/21 | Data File: | 061708.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 123 vo | 84 | 118 |
| Toluene-d8 | 104 | 86 | 117 |
| 4-Bromofluorobenzene | 100 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E6-7.5 | Client: | Terracon |
| Date Received: | 06/16/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106277-05 |
| Date Analyzed: | 06/17/21 | Data File: | 061709.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 123 | 84 | 118 |
| Toluene-d8 | 103 | 86 | 117 |
| 4-Bromofluorobenzene | 98 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E6-10 | Client: | Terracon |
| Date Received: | 06/16/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106277-06 |
| Date Analyzed: | 06/17/21 | Data File: | 061710.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 94 | 84 | 118 |
| Toluene-d8 | 96 | 86 | 117 |
| 4-Bromofluorobenzene | 99 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E7-5 | Client: | Terracon |
| Date Received: | 06/16/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106277-07 |
| Date Analyzed: | 06/17/21 | Data File: | 061711.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 111 | 84 | 118 |
| Toluene-d8 | 97 | 86 | 117 |
| 4-Bromofluorobenzene | 97 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SW-E8-5 | Client: | Terracon |
| Date Received: | 06/16/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106277-08 |
| Date Analyzed: | 06/17/21 | Data File: | 061712.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | 84 | 118 |
| Toluene-d8 | 107 | 86 | 117 |
| 4-Bromofluorobenzene | 98 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Terracon |
| Date Received: | Not Applicable | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 01-1220 mb |
| Date Analyzed: | 06/17/21 | Data File: | 061709.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

Date of Report: 06/18/21
Date Received: 06/16/21
Project: View Ridge Plaza 81207449, F&BI 106277

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 106276-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | <0.05 | 36 | 30 | 10-138 | 18 |
| Chloroethane | mg/kg (ppm) | 1 | <0.5 | 52 | 44 | 10-176 | 17 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 55 | 48 | 10-160 | 14 |
| Methylene chloride | mg/kg (ppm) | 1 | <0.5 | 65 | 55 | 10-156 | 17 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 63 | 55 | 14-137 | 14 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | <0.05 | 65 | 57 | 19-140 | 13 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 0.85 | 31 b | 18 b | 25-135 | 53 b |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | <0.05 | 74 | 63 | 12-160 | 16 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | <0.05 | 71 | 59 | 10-156 | 18 |
| Trichloroethene | mg/kg (ppm) | 1 | 0.13 | 71 | 60 | 21-139 | 17 |
| Tetrachloroethene | mg/kg (ppm) | 1 | 1.7 | 7 b | 0 b | 20-133 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | 65 | 22-139 |
| Chloroethane | mg/kg (ppm) | 1 | 81 | 9-163 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | 85 | 47-128 |
| Methylene chloride | mg/kg (ppm) | 1 | 91 | 10-184 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | 87 | 67-129 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | 84 | 68-115 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 91 | 72-127 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | 88 | 56-135 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | 91 | 62-131 |
| Trichloroethene | mg/kg (ppm) | 1 | 94 | 63-121 |
| Tetrachloroethene | mg/kg (ppm) | 1 | 104 | 72-114 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

106277

# SAMPLE CHAIN OF CUSTODY

ME 06/16/21 COC/ VS2

Page # 1 of 1

Report To Kyle Bennett

Company Terracon

Address 21905 64th Ave W, Ste 100

City, State, ZIP Mountlake Terrace, WA 98043

Phone 425-771-3304 Email Kyle.bennett@terracon

SAMPLERS (*signature*): Jeff Dobbins

PROJECT NAME: View Ridge Plaza

PO #: 81207449

REMARKS:

INVOICE TO: Terracon

**TURNAROUND TIME**
- ☐ Standard Turnaround
- ☒ RUSH 24-hr

Rush charges authorized by:

**SAMPLE DISPOSAL**
- ☐ Dispose after 30 days
- ☐ Archive Samples
- ☐ Other

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | TPH-HCID | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260C | SVOCs by 8270D | PAHs 8270D SIM | cVOCs | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ANALYSES REQUESTED | | | | | | | | | | | |
| SW-E4-8 | 01 A→E | 6/16/21 | 1000 | soil | 5 | | | | | | | | X | | | | |
| SW-E5-8 | 02 | | 0725 | | | | | | | | | | X | | | | |
| SW-E6-2.5 | 03 | | 0755 | | | | | | | | | | X | | | | |
| SW-E6-5 | 04 | | 0755 | | | | | | | | | | X | | | | |
| SW-E6-7.5 | 05 | | 0800 | | | | | | | | | | X | | | | |
| SW-E6-10 | 06 | | 0800 | | | | | | | | | | X | | | | |
| SW-E7-5 | 07 | | 0950 | | | | | | | | | | X | | | | |
| SW-E8-5 | 08 | | 1000 | | | | | | | | | | X | | | | |
| | | | | | | | | | | | | | | Samples received at 4 °C | | | |
| | | | | | | | | | | | | | | | | | |

| | SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|---|
| Relinquished by: | | Jeff Dobbins | Terracon | 6/16/21 | 1330 |
| ~~Received by:~~ | | Michael Erdahl | F&B | 6/16/21 | 1600 |
| Relinquished by: | | | | | |
| Received by: | | | | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 18, 2021

Kyle Bennett, Project Manager
Terracon
Pacific Cascade Building
21905 64th Ave. W., Suite 100
Mountlake Terrace, WA 98043

Dear Mr Bennett:

Included are the results from the testing of material submitted on June 17, 2021 from the View Ridge Plaza 81207449, F&BI 106276 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
TRR0618R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 17, 2020 by Friedman & Bruya, Inc. from the Terracon View Ridge Plaza 81207449, F&BI 106276 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Terracon |
|---|---|
| 106276 -01 | SP16 |
| 106276 -02 | SP17 |
| 106276 -03 | SP18 |
| 106276 -04 | SP19 |
| 106276 -05 | SP20 |
| 106276 -06 | SP21 |

All quality control requirements were acceptable.

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP16 | Client: | Terracon |
| Date Received: | 06/17/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106276-01 |
| Date Analyzed: | 06/17/21 | Data File: | 061715.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 90 | 109 |
| Toluene-d8 | 96 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 1.0 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.15 |
| Tetrachloroethene | 2.1 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP17 | Client: | Terracon |
| Date Received: | 06/17/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106276-02 |
| Date Analyzed: | 06/17/21 | Data File: | 061713.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 101 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | 0.096 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 1.5 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.17 |
| Tetrachloroethene | 1.0 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP18 | Client: | Terracon |
| Date Received: | 06/17/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106276-03 |
| Date Analyzed: | 06/17/21 | Data File: | 061716.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 101 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.88 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.18 |
| Tetrachloroethene | 3.6 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP19 | Client: | Terracon |
| Date Received: | 06/17/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106276-04 |
| Date Analyzed: | 06/17/21 | Data File: | 061714.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 90 | 109 |
| Toluene-d8 | 96 | 89 | 112 |
| 4-Bromofluorobenzene | 104 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.64 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.073 |
| Tetrachloroethene | 0.78 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP20 | Client: | Terracon |
| Date Received: | 06/17/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106276-05 |
| Date Analyzed: | 06/17/21 | Data File: | 061714.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 113 | 84 | 118 |
| Toluene-d8 | 105 | 86 | 117 |
| 4-Bromofluorobenzene | 101 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.36 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.13 |
| Tetrachloroethene | 5.6 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP21 | Client: | Terracon |
| Date Received: | 06/17/21 | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 106276-06 |
| Date Analyzed: | 06/17/21 | Data File: | 061713.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 84 | 118 |
| Toluene-d8 | 96 | 86 | 117 |
| 4-Bromofluorobenzene | 100 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.39 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.21 |
| Tetrachloroethene | 3.4 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Terracon |
| Date Received: | Not Applicable | Project: | View Ridge Plaza 81207449 |
| Date Extracted: | 06/17/21 | Lab ID: | 01-1220 mb |
| Date Analyzed: | 06/17/21 | Data File: | 061709.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

Date of Report: 06/18/21
Date Received: 06/17/21
Project: View Ridge Plaza 81207449, F&BI 106276

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 106276-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | <0.05 | 36 | 30 | 10-138 | 18 |
| Chloroethane | mg/kg (ppm) | 1 | <0.5 | 52 | 44 | 10-176 | 17 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 55 | 48 | 10-160 | 14 |
| Methylene chloride | mg/kg (ppm) | 1 | <0.5 | 65 | 55 | 10-156 | 17 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 63 | 55 | 14-137 | 14 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | <0.05 | 65 | 57 | 19-140 | 13 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 0.85 | 31 b | 18 b | 25-135 | 53 b |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | <0.05 | 74 | 63 | 12-160 | 16 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | <0.05 | 71 | 59 | 10-156 | 18 |
| Trichloroethene | mg/kg (ppm) | 1 | 0.13 | 71 | 60 | 21-139 | 17 |
| Tetrachloroethene | mg/kg (ppm) | 1 | 1.7 | 7 b | 0 b | 20-133 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | 65 | 22-139 |
| Chloroethane | mg/kg (ppm) | 1 | 81 | 9-163 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | 85 | 47-128 |
| Methylene chloride | mg/kg (ppm) | 1 | 91 | 10-184 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | 87 | 67-129 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | 84 | 68-115 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 91 | 72-127 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | 88 | 56-135 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | 91 | 62-131 |
| Trichloroethene | mg/kg (ppm) | 1 | 94 | 63-121 |
| Tetrachloroethene | mg/kg (ppm) | 1 | 104 | 72-114 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

106276

# SAMPLE CHAIN OF CUSTODY

ME 06/17/21 VS2/ @ C03

Page # 1 of 1

Report To Kyle Bennett

Company Terracon

Address 21905 64th Ave W, Ste 100

City, State, ZIP Mountlake Terrace, WA

Phone _____ Email Kyle.Bennett@terracon

SAMPLERS (*signature*)

PROJECT NAME: ViewRidge Plaza

PO #: 81207449

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME

☐ Standard turnaround

~~X~~ RUSH ~~24hr~~ Same Day per

Rush charges authorized by: KB 6/17/21 ME

SAMPLE DISPOSAL

☐ Archive samples

☐ Other _____

Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | cVOCs | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ANALYSES REQUESTED | | | | | | | | | | | |
| SP16 | 01A-E | 6/16/21 | 1650 | Soil | | | | | | | | | X | | | | |
| SP17 | 02 | | 1710 | | | | | | | | | | X | | | | |
| SP18 | 03 | | 1630 | | | | | | | | | | X | | | | |
| SP19 | 04 | | 1735 | | | | | | | | | | X | | | | |
| SP20 | 05 | | 1540 | | | | | | | | | | X | | | | |
| SP21 | 06 | | 1600 | | | | | | | | | | X | | | | |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: | Jeff Dobbins | Terracon | 6/17/21 | 0530 |
| Received by: | James Bruya | F&B | 6/17 | 0530 |
| Relinquished by: | | | | |
| Received by: | | ~~Samples received at~~ 3°C | | |


KP

*Friedman & Bruya, Inc.*

*3012 16th Avenue West*

*Seattle, WA 98119-2029*

*Ph. (206) 285-8282*

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 18, 2021

Kyle Bennett, Project Manager
Terracon
Pacific Cascade Building
21905 64th Ave. W., Suite 100
Mountlake Terrace, WA 98043

Dear Mr Bennett:

Included are the results from the testing of material submitted on June 15, 2021 from the View Ridge Plaza 81207449, Task 5, F&BI 106238 project. There are 19 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
TRR0618R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 15, 2021 by Friedman & Bruya, Inc. from the Terracon View Ridge Plaza 81207449, Task 5, F&BI 106238 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Terracon |
|---|---|
| 106238 -01 | SP1 |
| 106238 -02 | SP6 |
| 106238 -03 | SP15 |
| 106238 -04 | SP13 |
| 106238 -05 | SP9 |
| 106238 -06 | SP4 |
| 106238 -07 | SP14 |
| 106238 -08 | SP11 |
| 106238 -09 | SP2 |
| 106238 -10 | SP5 |
| 106238 -11 | SP3 |
| 106238 -12 | SP10 |
| 106238 -13 | SP12 |
| 106238 -14 | SP7 |
| 106238 -15 | SP8 |

Tetrachloroethene by 8260D exceeded the acceptance criteria in the matrix spike samples and the associated relative percent difference. The laboratory control sample met the acceptance criteria, therefore the data were due to sample inhomogeneity.

All other quality control requirements were acceptable.

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP1 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-01 |
| Date Analyzed: | 06/15/21 | Data File: | 061528.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 102 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.41 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.025 |
| Tetrachloroethene | 0.20 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP6 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-02 |
| Date Analyzed: | 06/15/21 | Data File: | 061529.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.24 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.030 |
| Tetrachloroethene | 0.37 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP15 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-03 |
| Date Analyzed: | 06/15/21 | Data File: | 061530.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 99 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.099 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.11 |
| Tetrachloroethene | 3.7 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP13 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-04 |
| Date Analyzed: | 06/15/21 | Data File: | 061531.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 90 | 109 |
| Toluene-d8 | 93 | 89 | 112 |
| 4-Bromofluorobenzene | 101 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.19 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.13 |
| Tetrachloroethene | 5.2 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP9 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-05 |
| Date Analyzed: | 06/15/21 | Data File: | 061532.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.20 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.030 |
| Tetrachloroethene | 0.12 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP4 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-06 |
| Date Analyzed: | 06/15/21 | Data File: | 061533.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 103 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.25 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.024 |
| Tetrachloroethene | 0.31 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP14 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-07 |
| Date Analyzed: | 06/15/21 | Data File: | 061534.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 90 | 109 |
| Toluene-d8 | 94 | 89 | 112 |
| 4-Bromofluorobenzene | 102 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | 0.82 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP11 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-08 |
| Date Analyzed: | 06/15/21 | Data File: | 061535.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 90 | 109 |
| Toluene-d8 | 95 | 89 | 112 |
| 4-Bromofluorobenzene | 100 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.11 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.033 |
| Tetrachloroethene | 0.34 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP2 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-09 |
| Date Analyzed: | 06/15/21 | Data File: | 061520.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 84 | 118 |
| Toluene-d8 | 104 | 86 | 117 |
| 4-Bromofluorobenzene | 99 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.14 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.023 |
| Tetrachloroethene | 0.30 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP5 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-10 |
| Date Analyzed: | 06/15/21 | Data File: | 061521.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | 84 | 118 |
| Toluene-d8 | 104 | 86 | 117 |
| 4-Bromofluorobenzene | 99 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.57 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.079 |
| Tetrachloroethene | 0.40 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP3 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-11 |
| Date Analyzed: | 06/15/21 | Data File: | 061522.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 102 | 84 | 118 |
| Toluene-d8 | 104 | 86 | 117 |
| 4-Bromofluorobenzene | 100 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.12 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | 0.076 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP10 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-12 |
| Date Analyzed: | 06/15/21 | Data File: | 061523.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 84 | 118 |
| Toluene-d8 | 103 | 86 | 117 |
| 4-Bromofluorobenzene | 98 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.35 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.092 |
| Tetrachloroethene | 1.2 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP12 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-13 |
| Date Analyzed: | 06/15/21 | Data File: | 061524.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 84 | 118 |
| Toluene-d8 | 103 | 86 | 117 |
| 4-Bromofluorobenzene | 100 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.31 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.16 |
| Tetrachloroethene | 3.7 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP7 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-14 |
| Date Analyzed: | 06/15/21 | Data File: | 061525.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 84 | 118 |
| Toluene-d8 | 103 | 86 | 117 |
| 4-Bromofluorobenzene | 99 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | 0.079 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 1.0 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.14 |
| Tetrachloroethene | 0.70 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | SP8 | Client: | Terracon |
| Date Received: | 06/15/21 | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 106238-15 |
| Date Analyzed: | 06/15/21 | Data File: | 061526.D |
| Matrix: | Soil | Instrument: | GCMS13 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | 84 | 118 |
| Toluene-d8 | 101 | 86 | 117 |
| 4-Bromofluorobenzene | 101 | 90 | 112 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | 0.27 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | 0.12 |
| Tetrachloroethene | 1.5 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Terracon |
| Date Received: | Not Applicable | Project: | View Ridge Plaza 81207449, Task 5 |
| Date Extracted: | 06/15/21 | Lab ID: | 01-1209 mb |
| Date Analyzed: | 06/15/21 | Data File: | 061527.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JCM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 90 | 109 |
| Toluene-d8 | 97 | 89 | 112 |
| 4-Bromofluorobenzene | 104 | 84 | 115 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Vinyl chloride | <0.05 |
| Chloroethane | <0.5 |
| 1,1-Dichloroethene | <0.05 |
| Methylene chloride | <0.5 |
| trans-1,2-Dichloroethene | <0.05 |
| 1,1-Dichloroethane | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 |
| 1,1,1-Trichloroethane | <0.05 |
| Trichloroethene | <0.02 |
| Tetrachloroethene | <0.025 |

Date of Report: 06/18/21
Date Received: 06/15/21
Project: View Ridge Plaza 81207449, Task 5, F&BI 106238

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 106238-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | <0.05 | 26 | 30 | 10-138 | 14 |
| Chloroethane | mg/kg (ppm) | 1 | <0.5 | 40 | 46 | 10-176 | 14 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 43 | 48 | 10-160 | 11 |
| Methylene chloride | mg/kg (ppm) | 1 | <0.5 | 52 | 57 | 10-156 | 9 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | <0.05 | 53 | 54 | 14-137 | 2 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | <0.05 | 54 | 54 | 19-140 | 0 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 0.31 | 152 b | 58 b | 25-135 | 90 hr |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | <0.05 | 62 | 60 | 12-160 | 3 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | <0.05 | 58 | 58 | 10-156 | 0 |
| Trichloroethene | mg/kg (ppm) | 1 | 0.019 | 89 | 68 | 21-139 | 27 hr |
| Tetrachloroethene | mg/kg (ppm) | 1 | 0.15 | 884 vo | 142 vo | 20-133 | 145 hr |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Vinyl chloride | mg/kg (ppm) | 1 | 68 | 22-139 |
| Chloroethane | mg/kg (ppm) | 1 | 82 | 9-163 |
| 1,1-Dichloroethene | mg/kg (ppm) | 1 | 85 | 47-128 |
| Methylene chloride | mg/kg (ppm) | 1 | 91 | 10-184 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 1 | 87 | 67-129 |
| 1,1-Dichloroethane | mg/kg (ppm) | 1 | 84 | 68-115 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 1 | 92 | 72-127 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 1 | 90 | 56-135 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 1 | 90 | 62-131 |
| Trichloroethene | mg/kg (ppm) | 1 | 96 | 63-121 |
| Tetrachloroethene | mg/kg (ppm) | 1 | 102 | 72-114 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

# SAMPLE CHAIN OF CUSTODY

106238

ME 06/15/21

CI3, VS3

Page # 1 of #2

Report To Kyle Bennett

Company Terracon Consultants

Address 21905 64th Ave W. Ste 100

City, State, ZIP Mountlake Terrace, WA, 98043

Phone 425-697-1123 Email Kyle.Bennett@Terracon.com

SAMPLERS (*signature*)

PROJECT NAME: View Ridge Plaza 81207449

PO #: 81207449, Task 5

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME

☐ Standard turnaround

☑ RUSH 2 day TAT

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive samples

☐ Other

Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED: NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | cVOCs | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP1 | 01 A→E | 6.15.21 | 820 | S | 5 | | | | | | | | X | | | | |
| SP6 | 02 | 6.15.21 | 830 | S | 5 | | | | | | | | ↓ | | | | |
| SP15 | 03 | 6.15.21 | 840 | | | | | | | | | | | | | | |
| SP13 | 04 | | 840 | | | | | | | | | | | | | | |
| SP9 | 05 | | 835 | | | | | | | | | | | | | | |
| SP4 | 06 | | 825 | | | | | | | | | | | | | | |
| SP14 | 07 | | 840 | | | | | | | | | | | | | | |
| SP11 | 08 | | 835 | | | | | | | | | | | | | | |
| SP2 | 09 | | 825 | | | | | | | | | | | | | | |
| SP5 | 10 | ↓ | 825 | ↓ | ↓ | | | | | | | | ↓ | | | | |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: | Zachary Butters | Terracon | 6.15.21 | 1405 |
| Received by: | Will Radford | F&BI | 6/15/21 | 14:05 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 6 °C | | |


*Friedman & Bruya, Inc.*

*3012 16th Avenue West*

*Seattle, WA 98119-2029*

*Ph. (206) 285-8282*


RB

# SAMPLE CHAIN OF CUSTODY

ME 06/15/21

~~CI3/NS3~~ CI3/NS3

Page # 2 of 2

106238

Report To

Company Same as page 1

Address

City, State, ZIP

Phone Email

SAMPLERS (*signature*)

| PROJECT NAME | PO # |
|---|---|
| View Ridge Plaza 8D07449 | 8D07449 Task 5 |
| REMARKS | INVOICE TO |
| Project specific RLs? - Yes / No | |

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 2 day TAT

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other

Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | cVOCs | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP3 | 11 A→E | 6.15.21 | 825 | S | 5 | | | | | | | | X | | | | |
| SP10 | 12 | | 835 | | | | | | | | | | | | | | |
| ~~SP13~~ SP12 per KB 6/17/21 ME | 13 | | 835 | | | | | | | | | | | | | | |
| SP7 | 14 | | 830 | | | | | | | | | | | | | | |
| SP8 | 15 | | 830 | | | | | | | | | | | | | | |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: | Zachary Butters | Terracon | 6.15.21 | 14:05 |
| Received by: | Will Radford | FSBI | 6/15/21 | 14:05 |
| Relinquished by: | | Samples received at 6 | °C | |
| Received by: | | Samples received ... | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

July 8, 2021

Mr. Kyle Bennett
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett,

On July 2nd, 20 samples were received by our laboratory and assigned our laboratory project number EV21070008. The project was identified as your 81207449. 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



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 9:35:00 AM |
| CLIENT SAMPLE ID | TB19-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 9:35:00 AM |
| CLIENT SAMPLE ID | TB19-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **108** | 07/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **108** | 07/06/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 10:10:00 AM |
| CLIENT SAMPLE ID | TB20-16 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 10:10:00 AM |
| CLIENT SAMPLE ID | TB20-16 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **106** | 07/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **112** | 07/06/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-05 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 10:40:00 AM |
| CLIENT SAMPLE ID | TB21-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-05 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 10:40:00 AM |
| CLIENT SAMPLE ID | TB21-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 07/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **112** | 07/06/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 11:55:00 AM |
| CLIENT SAMPLE ID | TB22-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 11:55:00 AM |
| CLIENT SAMPLE ID | TB22-15 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **102** | 07/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 07/06/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-10 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 12:25:00 PM |
| CLIENT SAMPLE ID | TB23-16 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-10 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 12:25:00 PM |
| CLIENT SAMPLE ID | TB23-16 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **108** | 07/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **108** | 07/06/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-11 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 12:50:00 PM |
| CLIENT SAMPLE ID | TB24-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |



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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-11 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 12:50:00 PM |
| CLIENT SAMPLE ID | TB24-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 07/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 07/06/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-13 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 1:25:00 PM |
| CLIENT SAMPLE ID | TB25-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-13 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 1:25:00 PM |
| CLIENT SAMPLE ID | TB25-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **106** | 07/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **100** | 07/06/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-15 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 2:00:00 PM |
| CLIENT SAMPLE ID | TB26-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/07/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/07/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-15 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 2:00:00 PM |
| CLIENT SAMPLE ID | TB26-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **106** | 07/07/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **115** | 07/07/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-17 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 2:45:00 PM |
| CLIENT SAMPLE ID | TB27-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-17 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 2:45:00 PM |
| CLIENT SAMPLE ID | TB27-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **99.2** | 07/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **104** | 07/06/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-19 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 3:20:00 PM |
| CLIENT SAMPLE ID | TB28-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 07/07/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 07/07/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/8/2021<br>EV21070008<br>EV21070008-19 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/02/2021 |
| CLIENT PROJECT: | 81207449 | COLLECTION DATE: | 7/1/2021 3:20:00 PM |
| CLIENT SAMPLE ID | TB28-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 07/07/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **105** | 07/07/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **118** | 07/07/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-070621S - Batch 167704 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-070621S - Batch 167704 - Soil by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MB-070621S2 - Batch 167734 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 07/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-070621S2 - Batch 167734 - Soil by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/06/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MB-070721S - Batch 167735 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 07/07/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-070721S - Batch 167735 - Soil by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 07/07/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 07/07/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 07/07/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 167704 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **77.1** | | | 50 | 150 | 07/06/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **72.7** | **6** | | 50 | 150 | 07/06/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **100** | | | 50 | 150 | 07/06/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **92.7** | **8** | | 50 | 150 | 07/06/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **111** | | | 50 | 150 | 07/06/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **102** | **9** | | 50 | 150 | 07/06/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **92.8** | | | 50 | 150 | 07/06/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **86.1** | **8** | | 50 | 150 | 07/06/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **102** | | | 50 | 150 | 07/06/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **95.5** | **7** | | 50 | 150 | 07/06/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **85.5** | | | 50 | 150 | 07/06/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **83.1** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **98.3** | | | 50 | 150 | 07/06/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **91.6** | **7** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **101** | | | 70 | 130 | 07/06/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **94.4** | **7** | | 70 | 130 | 07/06/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **67.6** | | | 50 | 150 | 07/06/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **66.5** | **2** | | 50 | 150 | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **90.3** | | | 50 | 150 | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **88.2** | **2** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **92.1** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **90.9** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **90.0** | | | 50 | 150 | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **86.1** | **4** | | 50 | 150 | 07/06/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **104** | | | 50 | 150 | 07/06/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **96.2** | **7** | | 50 | 150 | 07/06/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **101** | | | 50 | 150 | 07/06/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **96.0** | **5** | | 50 | 150 | 07/06/2021 | DLC |
| Chloroform - BS | EPA-8260 | **99.7** | | | 50 | 150 | 07/06/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **98.0** | **2** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **91.5** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **87.8** | **4** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **90.2** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **87.0** | **4** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **106** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **103** | | | 75 | 136 | 07/06/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **102** | **1** | | 75 | 136 | 07/06/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **102** | | | 50 | 150 | 07/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane - BSD | EPA-8260 | **102** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **103** | | | 50 | 150 | 07/06/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **107** | **5** | | 50 | 150 | 07/06/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **100** | | | 50 | 150 | 07/06/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **101** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **98.8** | | | 50 | 150 | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **99.2** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **103** | | | 50 | 150 | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **104** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **93.7** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **93.0** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **92.6** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **92.4** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **81.0** | | | 50 | 150 | 07/06/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **78.9** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **90.9** | | | 50 | 150 | 07/06/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **91.2** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **91.0** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **95.5** | **5** | | 50 | 150 | 07/06/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **88.1** | | | 79 | 128 | 07/06/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **87.5** | **1** | | 79 | 128 | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **85.7** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **88.3** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| Bromoform - BS | EPA-8260 | **89.3** | | | 50 | 150 | 07/06/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **90.2** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **101** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **100** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **102** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **94.6** | | | 50 | 150 | 07/06/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **93.4** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **97.7** | | | 50 | 150 | 07/06/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **93.3** | **5** | | 50 | 150 | 07/06/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **98.0** | | | 50 | 150 | 07/06/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **94.2** | **4** | | 50 | 150 | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **89.2** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **88.2** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **85.0** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **83.0** | **2** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **93.2** | | | 50 | 150 | 07/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **91.9** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **109** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **107** | **2** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **88.3** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **88.2** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **90.2** | | | 50 | 150 | 07/06/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **86.7** | **4** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **97.3** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **97.3** | **0** | | 50 | 150 | 07/06/2021 | DLC |

### ALS Test Batch ID: 167734 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **87.6** | | | 50 | 150 | 07/06/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **89.0** | **2** | | 50 | 150 | 07/06/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **112** | | | 50 | 150 | 07/06/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **110** | **2** | | 50 | 150 | 07/06/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **123** | | | 50 | 150 | 07/06/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **121** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **99.9** | | | 50 | 150 | 07/06/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **101** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **112** | | | 50 | 150 | 07/06/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **112** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **100** | | | 50 | 150 | 07/06/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **99.7** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **109** | | | 50 | 150 | 07/06/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **108** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **116** | | | 70 | 130 | 07/06/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **114** | **2** | | 70 | 130 | 07/06/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **139** | | | 50 | 150 | 07/06/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **139** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **97.3** | | | 50 | 150 | 07/06/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **98.7** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **97.2** | | | 50 | 150 | 07/06/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **98.5** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **120** | | | 50 | 150 | 07/06/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **113** | **6** | | 50 | 150 | 07/06/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **110** | | | 50 | 150 | 07/06/2021 | DLC |



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CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane - BSD | EPA-8260 | **109** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| Chloroform - BS | EPA-8260 | **108** | | | 50 | 150 | 07/06/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **106** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **107** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **100** | **7** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **113** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **107** | **5** | | 50 | 150 | 07/06/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **111** | | | 75 | 136 | 07/06/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **110** | **2** | | 75 | 136 | 07/06/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **110** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dichloropropane - BSD | EPA-8260 | **107** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **108** | | | 50 | 150 | 07/06/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **113** | **4** | | 50 | 150 | 07/06/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **107** | | | 50 | 150 | 07/06/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **107** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **101** | | | 50 | 150 | 07/06/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **109** | | | 50 | 150 | 07/06/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **110** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **97.0** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **95.7** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **93.5** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **100** | **7** | | 50 | 150 | 07/06/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **94.8** | | | 50 | 150 | 07/06/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **93.5** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **95.3** | | | 50 | 150 | 07/06/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **100** | **5** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **97.5** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **99.4** | **2** | | 50 | 150 | 07/06/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **94.2** | | | 79 | 128 | 07/06/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **96.0** | **2** | | 79 | 128 | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **92.9** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **97.9** | **5** | | 50 | 150 | 07/06/2021 | DLC |
| Bromoform - BS | EPA-8260 | **102** | | | 50 | 150 | 07/06/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **102** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **107** | **4** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **103** | | | 50 | 150 | 07/06/2021 | DLC |



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CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **106** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **99.5** | | | 50 | 150 | 07/06/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **97.8** | **2** | | 50 | 150 | 07/06/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **100** | | | 50 | 150 | 07/06/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **99.7** | **1** | | 50 | 150 | 07/06/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **102** | | | 50 | 150 | 07/06/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **99.6** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **97.5** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **94.8** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **92.9** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **88.7** | **5** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **97.7** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **97.8** | **0** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **111** | **5** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **94.0** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **96.7** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **101** | | | 50 | 150 | 07/06/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **98.5** | **3** | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **98.3** | | | 50 | 150 | 07/06/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **101** | **3** | | 50 | 150 | 07/06/2021 | DLC |

### ALS Test Batch ID: 167735 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **89.1** | | | 50 | 150 | 07/07/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **87.4** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **110** | | | 50 | 150 | 07/07/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **108** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **119** | | | 50 | 150 | 07/07/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **116** | **3** | | 50 | 150 | 07/07/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **99.9** | | | 50 | 150 | 07/07/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **100** | **0** | | 50 | 150 | 07/07/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **112** | | | 50 | 150 | 07/07/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **109** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **103** | | | 50 | 150 | 07/07/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **96.2** | **6** | | 50 | 150 | 07/07/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **107** | | | 50 | 150 | 07/07/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **105** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **113** | | | 70 | 130 | 07/07/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene - BSD | EPA-8260 | **109** | **3** | | 70 | 130 | 07/07/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **62.6** | | | 50 | 150 | 07/07/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **58.7** | **6** | | 50 | 150 | 07/07/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **99.8** | | | 50 | 150 | 07/07/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **102** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **107** | **0** | | 50 | 150 | 07/07/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **99.0** | | | 50 | 150 | 07/07/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **101** | **1** | | 50 | 150 | 07/07/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **118** | | | 50 | 150 | 07/07/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **115** | **3** | | 50 | 150 | 07/07/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **110** | | | 50 | 150 | 07/07/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **107** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| Chloroform - BS | EPA-8260 | **109** | | | 50 | 150 | 07/07/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **106** | **3** | | 50 | 150 | 07/07/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **101** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **101** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **100** | **0** | | 50 | 150 | 07/07/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **101** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **99.8** | | | 75 | 136 | 07/07/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **97.7** | **2** | | 75 | 136 | 07/07/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **103** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,2-Dichloropropane - BSD | EPA-8260 | **98.6** | **4** | | 50 | 150 | 07/07/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **110** | | | 50 | 150 | 07/07/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **105** | **5** | | 50 | 150 | 07/07/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **98.7** | | | 50 | 150 | 07/07/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **101** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **98.7** | | | 50 | 150 | 07/07/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **97.6** | **1** | | 50 | 150 | 07/07/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **97.9** | | | 50 | 150 | 07/07/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **97.8** | **0** | | 50 | 150 | 07/07/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **93.9** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **95.9** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **92.9** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **91.1** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **95.3** | | | 50 | 150 | 07/07/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **88.3** | **8** | | 50 | 150 | 07/07/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **96.2** | | | 50 | 150 | 07/07/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449

DATE: 7/8/2021
ALS SDG#: EV21070008
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane - BSD | EPA-8260 | **96.9** | **1** | | 50 | 150 | 07/07/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **96.4** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **92.3** | **4** | | 50 | 150 | 07/07/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **93.8** | | | 79 | 128 | 07/07/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **89.9** | **4** | | 79 | 128 | 07/07/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **91.2** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **90.0** | **1** | | 50 | 150 | 07/07/2021 | DLC |
| Bromoform - BS | EPA-8260 | **97.8** | | | 50 | 150 | 07/07/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **96.4** | **1** | | 50 | 150 | 07/07/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **95.9** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **101** | **5** | | 50 | 150 | 07/07/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **97.1** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **99.4** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **92.4** | | | 50 | 150 | 07/07/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **95.6** | **3** | | 50 | 150 | 07/07/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **93.4** | | | 50 | 150 | 07/07/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **90.9** | **3** | | 50 | 150 | 07/07/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **95.4** | | | 50 | 150 | 07/07/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **89.9** | **6** | | 50 | 150 | 07/07/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **89.8** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **88.2** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **86.7** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **85.3** | **2** | | 50 | 150 | 07/07/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **93.9** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **93.5** | **0** | | 50 | 150 | 07/07/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **96.3** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **98.8** | **3** | | 50 | 150 | 07/07/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **95.0** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **91.3** | **4** | | 50 | 150 | 07/07/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **93.7** | | | 50 | 150 | 07/07/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **90.6** | **3** | | 50 | 150 | 07/07/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **93.3** | | | 50 | 150 | 07/07/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **93.8** | **1** | | 50 | 150 | 07/07/2021 | DLC |

APPROVED BY

Laboratory Director



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Everett, WA 98208
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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2107 0008

Date 7/1/21 Page 1 Of 2

PROJECT ID: 81207449
REPORT TO COMPANY: Terracon
PROJECT MANAGER: Kyle Bennett
ADDRESS: 21905 64th Ave W, Ste 100
Mountlake Terrace, WA 98043
PHONE: 425-771-3304 P.O. #:
E-MAIL: Kyle.bennett@terracon
INVOICE TO COMPANY:
ATTENTION: SAME
ADDRESS:

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify): Hold | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB19-12 | 7/1/21 | 0935 | Soil | 1 | | | | | | X | | | | | | | | | | | | |
| 2. TB19-13 | | 0935 | | 2 | | | | | | | | | | | | | | | X | | | |
| 3. TB20-16 | | 1010 | | 3 | | | | | | X | | | | | | | | | | | | |
| 4. TB20-18 | | 1010 | | 4 | | | | | | | | | | | | | | | X | | | |
| 5. TB21-12 | | 1040 | | 5 | | | | | | X | | | | | | | | | | | | |
| 6. TB21-13 | | 1040 | | 6 | | | | | | | | | | | | | | | X | | | |
| 7. TB22-15 | | 1155 | | 7 | | | | | | X | | | | | | | | | | | | |
| 8. TB22-18 | | 1155 | | 8 | | | | | | | | | | | | | | | X | | | |
| 9. TB23-12 | | 1220 | | 9 | | | | | | | | | | | | | | | X | | | |
| 10. TB23-16 | | 1225 | | 10 | | | | | | X | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Madeleine Turner Terracon 7/2/21 1130
   Received By: ALS 7-2-21 1130
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

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8620 Holly Drive, Suite 100
Everett, WA 98208
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Fax (425) 356-2626
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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2107000 8

Date 7/1/21 Page 2 Of 2

PROJECT ID: 81207449
REPORT TO COMPANY:
PROJECT MANAGER:
ADDRESS: SAME AS PAGE #1
PHONE: P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify): Hold | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. TB24-11 | 7/1/21 | 1250 | soil | 11 | | | | | | X | | | | | | | | | | | | |
| 2. TB24-12 | | 1250 | | 12 | | | | | | | | | | | | | | | | X | | |
| 3. TB25-5 | | 1325 | | 13 | | | | | | X | | | | | | | | | | | | |
| 4. TB25-8 | | 1325 | | 14 | | | | | | | | | | | | | | | | X | | |
| 5. TB26-5 | | 1400 | | 15 | | | | | | X | | | | | | | | | | | | |
| 6. TB26-8 | | 1400 | | 16 | | | | | | | | | | | | | | | | X | | |
| 7. TB27-5 | | 1445 | | 17 | | | | | | X | | | | | | | | | | | | |
| 8. TB27-8 | | 1445 | | 18 | | | | | | | | | | | | | | | | X | | |
| 9. TB28-12 | | 1520 | | 19 | | | | | | X | | | | | | | | | | | | |
| 10. TB28-14 | | 1520 | | 20 | | | | | | | | | | | | | | | | X | | |

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Madeleine Thurston Terracon 1130 7/2/21
   Received By: AS 7-2-21 1130
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

December 1, 2021

Mr. Kyle Bennett
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett,

On November 24th, 4 samples were received by our laboratory and assigned our laboratory project number EV21110127. The project was identified as your 81207449 Task 8. 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



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ALS Group USA, Corp dba ALS Environmental

Environmental www.alsglobal.com
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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/1/2021<br>EV21110127<br>EV21110127-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 11/24/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 11/24/2021 12:15:00 PM |
| CLIENT SAMPLE ID | MW11-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 12/01/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 12/01/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/1/2021<br>EV21110127<br>EV21110127-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 11/24/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 11/24/2021 12:15:00 PM |
| CLIENT SAMPLE ID | MW11-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **94.2** | 12/01/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **122** | 12/01/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/1/2021<br>EV21110127<br>EV21110127-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 11/24/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 11/24/2021 9:55:00 AM |
| CLIENT SAMPLE ID | MW12-10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 12/01/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 12/01/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |



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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/1/2021<br>EV21110127<br>EV21110127-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 11/24/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 11/24/2021 9:55:00 AM |
| CLIENT SAMPLE ID | MW12-10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **99.3** | 12/01/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **101** | 12/01/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/1/2021<br>EV21110127<br>EV21110127-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 11/24/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 11/24/2021 1:00:00 PM |
| CLIENT SAMPLE ID | MW13-16 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **0.032** | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 12/01/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **0.051** | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 12/01/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/1/2021<br>EV21110127<br>EV21110127-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 11/24/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 11/24/2021 1:00:00 PM |
| CLIENT SAMPLE ID | MW13-16 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **101** | 12/01/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 12/01/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/1/2021<br>EV21110127<br>EV21110127-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 11/24/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 11/24/2021 11:10:00 AM |
| CLIENT SAMPLE ID | MW14-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 0.020 | 1 | MG/KG | 12/01/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Chloroform | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.0050 | 1 | MG/KG | 12/01/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromoform | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |



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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/1/2021<br>EV21110127<br>EV21110127-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 11/24/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 11/24/2021 11:10:00 AM |
| CLIENT SAMPLE ID | MW14-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 0.050 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 0.010 | 1 | MG/KG | 12/01/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **96.2** | 12/01/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **126 SQ2** | 12/01/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.
SQ2 - Spike outside of control limits due to matrix effect.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449 Task 8

DATE: 12/1/2021
ALS SDG#: EV21110127
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-113021S2 - Batch 173074 - Soil by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Chloromethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Bromomethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Chloroethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | MG/KG | 0.020 | 11/30/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Chloroform | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Trichloroethene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Dibromomethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | MG/KG | 0.0050 | 11/30/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Bromoform | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Bromobenzene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 12/1/2021 |
| | | ALS SDG#: | EV21110127 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Kyle Bennett | | |
| CLIENT PROJECT: | 81207449 Task 8 | | |

## LABORATORY BLANK RESULTS

**MB-113021S2 - Batch 173074 - Soil by EPA-8260**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | MG/KG | 0.050 | 11/30/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | MG/KG | 0.010 | 11/30/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449 Task 8

DATE: 12/1/2021
ALS SDG#: EV21110127
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 173074 - Soil by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **106** | | | 50 | 150 | 11/30/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **111** | **5** | | 50 | 150 | 11/30/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **108** | | | 50 | 150 | 11/30/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **112** | **4** | | 50 | 150 | 11/30/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **108** | | | 50 | 150 | 11/30/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **113** | **5** | | 50 | 150 | 11/30/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **116** | | | 50 | 150 | 11/30/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **120** | **3** | | 50 | 150 | 11/30/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **97.7** | | | 50 | 150 | 11/30/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **102** | **5** | | 50 | 150 | 11/30/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **101** | | | 50 | 150 | 11/30/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **101** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **102** | | | 50 | 150 | 11/30/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **105** | **3** | | 50 | 150 | 11/30/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **98.3** | | | 70 | 130 | 11/30/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **102** | **4** | | 70 | 130 | 11/30/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **94.6** | | | 50 | 150 | 11/30/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **95.7** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **95.8** | | | 50 | 150 | 11/30/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **96.9** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **95.4** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **98.1** | **3** | | 50 | 150 | 11/30/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **95.6** | | | 50 | 150 | 11/30/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **98.1** | **3** | | 50 | 150 | 11/30/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **93.5** | | | 50 | 150 | 11/30/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **94.9** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **99.1** | | | 50 | 150 | 11/30/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **102** | **3** | | 50 | 150 | 11/30/2021 | DLC |
| Chloroform - BS | EPA-8260 | **97.0** | | | 50 | 150 | 11/30/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **99.3** | **2** | | 50 | 150 | 11/30/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **97.4** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **98.5** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **91.9** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **94.4** | **3** | | 50 | 150 | 11/30/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **93.4** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **98.9** | **6** | | 50 | 150 | 11/30/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **96.0** | | | 75 | 136 | 11/30/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **98.9** | **3** | | 75 | 136 | 11/30/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **94.5** | | | 50 | 150 | 11/30/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449 Task 8

DATE: 12/1/2021
ALS SDG#: EV21110127
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane - BSD | EPA-8260 | **98.6** | **4** | | 50 | 150 | 11/30/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **95.4** | | | 50 | 150 | 11/30/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **97.8** | **2** | | 50 | 150 | 11/30/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **96.9** | | | 50 | 150 | 11/30/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **99.9** | **3** | | 50 | 150 | 11/30/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **99.3** | | | 50 | 150 | 11/30/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **100** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **95.1** | | | 50 | 150 | 11/30/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **97.3** | **2** | | 50 | 150 | 11/30/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **98.4** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **101** | **3** | | 50 | 150 | 11/30/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **95.9** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **100** | **5** | | 50 | 150 | 11/30/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **95.0** | | | 50 | 150 | 11/30/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **95.7** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **101** | | | 50 | 150 | 11/30/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **103** | **2** | | 50 | 150 | 11/30/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **97.4** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **102** | **4** | | 50 | 150 | 11/30/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **94.8** | | | 79 | 128 | 11/30/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **96.8** | **2** | | 79 | 128 | 11/30/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **97.9** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **100** | **2** | | 50 | 150 | 11/30/2021 | DLC |
| Bromoform - BS | EPA-8260 | **102** | | | 50 | 150 | 11/30/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **101** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **93.0** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **98.1** | **5** | | 50 | 150 | 11/30/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **97.0** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **99.8** | **3** | | 50 | 150 | 11/30/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **94.4** | | | 50 | 150 | 11/30/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **95.8** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **94.4** | | | 50 | 150 | 11/30/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **95.6** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **93.5** | | | 50 | 150 | 11/30/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **94.8** | **1** | | 50 | 150 | 11/30/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **92.6** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **94.4** | **2** | | 50 | 150 | 11/30/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **91.6** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **91.9** | **0** | | 50 | 150 | 11/30/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **94.5** | | | 50 | 150 | 11/30/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043
CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449 Task 8

DATE: 12/1/2021
ALS SDG#: EV21110127
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **96.3** | **2** | | 50 | 150 | 11/30/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **96.0** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **101** | **5** | | 50 | 150 | 11/30/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **91.3** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **95.2** | **4** | | 50 | 150 | 11/30/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **94.9** | | | 50 | 150 | 11/30/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **96.4** | **2** | | 50 | 150 | 11/30/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **96.5** | | | 50 | 150 | 11/30/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **101** | **5** | | 50 | 150 | 11/30/2021 | DLC |

APPROVED BY



Laboratory Director



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Everett, WA 98208
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Fax (425) 356-2626
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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV21110127

Date 11/24/21 Page 1 Of 1

PROJECT ID: 81207449 Task 8
REPORT TO COMPANY: Terracon
PROJECT MANAGER: Kyle Bennett
ADDRESS: 21905 64th Ave W, Ste 100 Mountlake Terrace, WA 98043
PHONE: 425-771-3304 P.O. #:
E-MAIL: Kyle.bennett@terracon.com
INVOICE TO COMPANY: SAME
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify) | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. MW11-13 | 11/24/21 | 1215 | soil | 1 | | | | | | X | | | | | | | | | | | 4 | |
| 2. MW12-10 | " | 0955 | " | 2 | | | | | | X | | | | | | | | | | | 4 | |
| 3. MW13-16 | " | 1300 | " | 3 | | | | | | X | | | | | | | | | | | 4 | |
| 4. MW14-5 | " | 1110 | " | 4 | | | | | | X | | | | | | | | | | | 4 | |
| 5. | | | | | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Jeff Dobbins, Terracon, 11/24/21 1420
   Received By: Ben Pump ALS 11/24/21 14:20
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

December 8, 2021

Mr. Kyle Bennett
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett,

On December 3rd, 10 samples were received by our laboratory and assigned our laboratory project number EV21120032. The project was identified as your 81207449 Task 8. 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



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 11:10:00 AM |
| CLIENT SAMPLE ID | MW 3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 11:10:00 AM |
| CLIENT SAMPLE ID | MW 3 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 12/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **104** | 12/06/2021 | DLC |

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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 1:30:00 PM |
| CLIENT SAMPLE ID | MW 4 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 1:30:00 PM |
| CLIENT SAMPLE ID | MW 4 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 12/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 12/06/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 1:40:00 PM |
| CLIENT SAMPLE ID | MW 5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 1:40:00 PM |
| CLIENT SAMPLE ID | MW 5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **106** | 12/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **107** | 12/06/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 11:50:00 AM |
| CLIENT SAMPLE ID | MW 6 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 11:50:00 AM |
| CLIENT SAMPLE ID | MW 6 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **105** | 12/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **105** | 12/06/2021 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-05 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 1:15:00 PM |
| CLIENT SAMPLE ID | MW 8 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-05 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 1:15:00 PM |
| CLIENT SAMPLE ID | MW 8 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **107** | 12/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **107** | 12/06/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-06 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 12:05:00 PM |
| CLIENT SAMPLE ID | MW 10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-06 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 12:05:00 PM |
| CLIENT SAMPLE ID | MW 10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **106** | 12/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **107** | 12/06/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 2:25:00 PM |
| CLIENT SAMPLE ID | MW 11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 2:25:00 PM |
| CLIENT SAMPLE ID | MW 11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **106** | 12/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **108** | 12/06/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-08 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 2:10:00 PM |
| CLIENT SAMPLE ID | MW 12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-08 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 2:10:00 PM |
| CLIENT SAMPLE ID | MW 12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **106** | 12/06/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **109** | 12/06/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-09 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 2:50:00 PM |
| CLIENT SAMPLE ID | MW 13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | **16** | 0.20 | 1 | UG/L | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **73** | 20 | 10 | UG/L | 12/07/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-09 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 2:50:00 PM |
| CLIENT SAMPLE ID | MW 13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/06/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 12/06/2021 | DLC |
| 1,2-Dichloroethane-d4 10X Dilution | EPA-8260 | **106** | 12/07/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **80.6** | 12/06/2021 | DLC |
| 4-Bromofluorobenzene 10X Dilution | EPA-8260 | **88.9** | 12/07/2021 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-10 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 12:40:00 PM |
| CLIENT SAMPLE ID | MW 14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 12/07/2021 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 12/07/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 12/07/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |



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| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 12/8/2021<br>EV21120032<br>EV21120032-10 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 12/03/2021 |
| CLIENT PROJECT: | 81207449 Task 8 | COLLECTION DATE: | 12/3/2021 12:40:00 PM |
| CLIENT SAMPLE ID | MW 14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 12/07/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 12/07/2021 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **106** | 12/07/2021 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **96.6** | 12/07/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449 Task 8

DATE: 12/8/2021
ALS SDG#: EV21120032
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-120621W - Batch 173311 - Water by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Chloromethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Vinyl Chloride | EPA-8260 | U | UG/L | 0.20 | 12/06/2021 | DLC |
| Bromomethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Chloroethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Methylene Chloride | EPA-8260 | U | UG/L | 5.0 | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Bromochloromethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Chloroform | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Trichloroethene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Dibromomethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Bromodichloromethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Tetrachloroethylene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Dibromochloromethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | UG/L | 0.010 | 12/06/2021 | DLC |
| Chlorobenzene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Bromoform | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Bromobenzene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 12/8/2021 |
| | | ALS SDG#: | EV21120032 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Kyle Bennett | | |
| CLIENT PROJECT: | 81207449 Task 8 | | |

## LABORATORY BLANK RESULTS

**MB-120621W - Batch 173311 - Water by EPA-8260**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | UG/L | 10 | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 12/06/2021 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449 Task 8

DATE: 12/8/2021
ALS SDG#: EV21120032
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 173311 - Water by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **107** | | | 50 | 150 | 12/06/2021 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **111** | **3** | | 50 | 150 | 12/06/2021 | DLC |
| Chloromethane - BS | EPA-8260 | **96.7** | | | 50 | 150 | 12/06/2021 | DLC |
| Chloromethane - BSD | EPA-8260 | **100** | **4** | | 50 | 150 | 12/06/2021 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **110** | | | 50 | 150 | 12/06/2021 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **113** | **2** | | 50 | 150 | 12/06/2021 | DLC |
| Bromomethane - BS | EPA-8260 | **107** | | | 50 | 150 | 12/06/2021 | DLC |
| Bromomethane - BSD | EPA-8260 | **111** | **4** | | 50 | 150 | 12/06/2021 | DLC |
| Chloroethane - BS | EPA-8260 | **101** | | | 50 | 150 | 12/06/2021 | DLC |
| Chloroethane - BSD | EPA-8260 | **105** | **3** | | 50 | 150 | 12/06/2021 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **112** | | | 50 | 150 | 12/06/2021 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **117** | **4** | | 50 | 150 | 12/06/2021 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **114** | | | 50 | 150 | 12/06/2021 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **119** | **4** | | 50 | 150 | 12/06/2021 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **111** | | | 72.5 | 136 | 12/06/2021 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **115** | **4** | | 72.5 | 136 | 12/06/2021 | DLC |
| Methylene Chloride - BS | EPA-8260 | **99.8** | | | 50 | 150 | 12/06/2021 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **101** | **2** | | 50 | 150 | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **101** | | | 50 | 150 | 12/06/2021 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **105** | **4** | | 50 | 150 | 12/06/2021 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **106** | **3** | | 50 | 150 | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **102** | | | 50 | 150 | 12/06/2021 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **104** | **2** | | 50 | 150 | 12/06/2021 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **115** | | | 50 | 150 | 12/06/2021 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **118** | **3** | | 50 | 150 | 12/06/2021 | DLC |
| Bromochloromethane - BS | EPA-8260 | **103** | | | 50 | 150 | 12/06/2021 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **105** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| Chloroform - BS | EPA-8260 | **107** | | | 50 | 150 | 12/06/2021 | DLC |
| Chloroform - BSD | EPA-8260 | **110** | **2** | | 50 | 150 | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **107** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **112** | **4** | | 50 | 150 | 12/06/2021 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **107** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **111** | **4** | | 50 | 150 | 12/06/2021 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **103** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **104** | **0** | | 50 | 150 | 12/06/2021 | DLC |
| Trichloroethene - BS | EPA-8260 | **109** | | | 74.4 | 141 | 12/06/2021 | DLC |
| Trichloroethene - BSD | EPA-8260 | **112** | **2** | | 74.4 | 141 | 12/06/2021 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **102** | | | 50 | 150 | 12/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449 Task 8

DATE: 12/8/2021
ALS SDG#: EV21120032
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| Dibromomethane - BS | EPA-8260 | **102** | | | 50 | 150 | 12/06/2021 | DLC |
| Dibromomethane - BSD | EPA-8260 | **102** | **0** | | 50 | 150 | 12/06/2021 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **104** | | | 50 | 150 | 12/06/2021 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **105** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **103** | | | 50 | 150 | 12/06/2021 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **104** | | | 50 | 150 | 12/06/2021 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **105** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **99.7** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **99.2** | **0** | | 50 | 150 | 12/06/2021 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **99.7** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **99.1** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **116** | | | 50 | 150 | 12/06/2021 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **115** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **102** | | | 50 | 150 | 12/06/2021 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **101** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **99.4** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **98.4** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| Chlorobenzene - BS | EPA-8260 | **99.9** | | | 73 | 131 | 12/06/2021 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **101** | **1** | | 73 | 131 | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **102** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **101** | **0** | | 50 | 150 | 12/06/2021 | DLC |
| Bromoform - BS | EPA-8260 | **104** | | | 50 | 150 | 12/06/2021 | DLC |
| Bromoform - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **94.4** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **94.1** | **0** | | 50 | 150 | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **96.4** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **96.3** | **0** | | 50 | 150 | 12/06/2021 | DLC |
| Bromobenzene - BS | EPA-8260 | **110** | | | 50 | 150 | 12/06/2021 | DLC |
| Bromobenzene - BSD | EPA-8260 | **111** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **110** | | | 50 | 150 | 12/06/2021 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **110** | **0** | | 50 | 150 | 12/06/2021 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **97.0** | | | 50 | 150 | 12/06/2021 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **98.7** | **2** | | 50 | 150 | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **102** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **104** | **1** | | 50 | 150 | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **101** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **104** | **3** | | 50 | 150 | 12/06/2021 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **102** | | | 50 | 150 | 12/06/2021 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449 Task 8

DATE: 12/8/2021
ALS SDG#: EV21120032
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **104** | **2** | | 50 | 150 | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **95.3** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **97.4** | **2** | | 50 | 150 | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **109** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **122** | **11** | | 50 | 150 | 12/06/2021 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **117** | | | 50 | 150 | 12/06/2021 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **123** | **5** | | 50 | 150 | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **112** | | | 50 | 150 | 12/06/2021 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **127** | **13** | | 50 | 150 | 12/06/2021 | DLC |

APPROVED BY

Laboratory Director



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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV21120032

Date 12/3/21 Page 1 Of 1

PROJECT ID: B1207449 task 8
REPORT TO COMPANY: Terracon
PROJECT MANAGER: Kyle Bennett
ADDRESS: 21905 64th Ave W, Ste 100
Mountlake Terrace, WA 98043
PHONE: 425-771-3304 P.O. #:
E-MAIL: Kyle.bennett@terracon.com
INVOICE TO COMPANY:
ATTENTION: SAME
ADDRESS:

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify) | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. MW3 | 12/3/21 | 1110 | GW | 1 | | | | | | X | | | | | | | | | | | | |
| 2. MW4 | | 1330 | | 2 | | | | | | X | | | | | | | | | | | | |
| 3. MW5 | | 1340 | | 3 | | | | | | X | | | | | | | | | | | | |
| 4. MW6 | | 1150 | | 4 | | | | | | X | | | | | | | | | | | | |
| 5. MW8 | | 1315 | | 5 | | | | | | X | | | | | | | | | | | | |
| 6. MW10 | | 1205 | | 6 | | | | | | X | | | | | | | | | | | | |
| 7. MW11 | | 1425 | | 7 | | | | | | X | | | | | | | | | | | | |
| 8. MW12 | | 1410 | | 8 | | | | | | X | | | | | | | | | | | | |
| 9. MW13 | | 1450 | | 9 | | | | | | X | | | | | | | | | | | | |
| 10. MW14 | | 1240 | | 10 | | | | | | X | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Jeff Dobbins, Terracon 12/3/21 1530
   Received By: Shaffin ALS 12/03/2021 1530
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

July 6, 2022

Mr. Kyle Bennett
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett,

On June 23rd, 7 samples were received by our laboratory and assigned our laboratory project number EV22060138. The project was identified as your 81207449, Task 8. 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



ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 3:20:00 PM |
| CLIENT SAMPLE ID | MW-4 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 06/27/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 06/27/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 3:20:00 PM |
| CLIENT SAMPLE ID | MW-4 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **102** | 06/27/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **111** | 06/27/2022 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 3:50:00 PM |
| CLIENT SAMPLE ID | MW-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 06/27/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 06/27/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 3:50:00 PM |
| CLIENT SAMPLE ID | MW-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 06/27/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **113** | 06/27/2022 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 12:05:00 PM |
| CLIENT SAMPLE ID | MW-6 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 06/27/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 06/27/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 12:05:00 PM |
| CLIENT SAMPLE ID | MW-6 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 06/27/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **114** | 06/27/2022 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 2:40:00 PM |
| CLIENT SAMPLE ID | MW-10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 06/27/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 06/27/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 2:40:00 PM |
| CLIENT SAMPLE ID | MW-10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 06/27/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **113** | 06/27/2022 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-05 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 2:00:00 PM |
| CLIENT SAMPLE ID | MW-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 06/27/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 06/27/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 7/6/2022<br>EV22060138<br>EV22060138-05 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 2:00:00 PM |
| CLIENT SAMPLE ID | MW-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Methane | RSK-175 | U | 0.010 | 1 | MG/L | 06/23/2022 | CCN |
| Ethane | RSK-175 | U | 0.010 | 1 | MG/L | 06/23/2022 | CCN |
| Ethene | RSK-175 | U | 0.010 | 1 | MG/L | 06/23/2022 | CCN |
| Biochemical Oxygen Demand (BOD) | SM5210B | U | 5.0 | 1 | MG/L | 06/24/2022 | RAL |
| Chloride | EPA-300.0 | **4.1** | 0.092 | 1 | MG/L | 06/23/2022 | RAL |
| Nitrate | EPA-300.0 | **0.19** | 0.15 | 1 | MG/L | 06/23/2022 | RAL |
| Nitrite | EPA-300.0 | U | 0.14 | 1 | MG/L | 06/23/2022 | RAL |
| Sulfate | EPA-300.0 | **11** | 0.26 | 1 | MG/L | 06/23/2022 | RAL |
| Calcium | EPA-200.8 | **15000** | 50 | 1 | UG/L | 06/23/2022 | EBS |
| Hardness | EPA-200.8 | **110** | 1.0 | 1 | MG/L | 06/23/2022 | EBS |
| Iron | EPA-200.8 | **4500** | 50 | 1 | UG/L | 06/23/2022 | EBS |
| Manganese | EPA-200.8 | **1100** | 2.0 | 1 | UG/L | 06/23/2022 | EBS |
| Calcium (Dissolved) | EPA-200.8 | **16000** | 50 | 1 | UG/L | 06/23/2022 | EBS |
| Iron (Dissolved) | EPA-200.8 | **78** | 50 | 1 | UG/L | 06/23/2022 | EBS |
| Manganese (Dissolved) | EPA-200.8 | **890** | 2.0 | 1 | UG/L | 06/23/2022 | EBS |
| Alkalinity | SM2320B | **110** | 2.0 | 1 | MG/L | 07/01/2022 | CAS |
| Total Organic Carbon (TOC) | SM5310C | **2.0** | 0.50 | 1 | MG/L | 06/27/2022 | CAS |
| Chemical Oxygen Demand (COD) | SM5220D | **17** | 10 | 1 | MG/L | 07/01/2022 | CAS |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 06/27/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **114** | 06/27/2022 | DLC |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-06 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 11:05:00 AM |
| CLIENT SAMPLE ID | MW-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 06/27/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 06/27/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-06 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 11:05:00 AM |
| CLIENT SAMPLE ID | MW-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **105** | 06/27/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **114** | 06/27/2022 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 4:30:00 PM |
| CLIENT SAMPLE ID | MW-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Vinyl Chloride | EPA-8260 | **4.2** | 0.20 | 1 | UG/L | 06/27/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **9.4** | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 06/27/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS JOB#: | EV22060138 |
| | | ALS SAMPLE#: | EV22060138-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 06/23/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 6/22/2022 4:30:00 PM |
| CLIENT SAMPLE ID | MW-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 06/27/2022 | DLC |
| Methane | RSK-175 | **0.99** | 0.010 | 1 | MG/L | 06/23/2022 | CCN |
| Ethane | RSK-175 | U | 0.010 | 1 | MG/L | 06/23/2022 | CCN |
| Ethene | RSK-175 | U | 0.010 | 1 | MG/L | 06/23/2022 | CCN |
| Biochemical Oxygen Demand (BOD) | SM5210B | **7.0** | 5.0 | 1 | MG/L | 06/24/2022 | RAL |
| Chloride | EPA-300.0 | **13** | 0.092 | 1 | MG/L | 06/23/2022 | RAL |
| Nitrate | EPA-300.0 | U | 0.15 | 1 | MG/L | 06/23/2022 | RAL |
| Nitrite | EPA-300.0 | U | 0.14 | 1 | MG/L | 06/23/2022 | RAL |
| Sulfate | EPA-300.0 | **11** | 0.26 | 1 | MG/L | 06/23/2022 | RAL |
| Calcium | EPA-200.8 | **91000** | 50 | 1 | UG/L | 06/23/2022 | EBS |
| Hardness | EPA-200.8 | **380** | 1.0 | 1 | MG/L | 06/23/2022 | EBS |
| Iron | EPA-200.8 | **29000** | 50 | 1 | UG/L | 06/23/2022 | EBS |
| Manganese | EPA-200.8 | **25000** | 10 | 5 | UG/L | 06/23/2022 | EBS |
| Calcium (Dissolved) | EPA-200.8 | **88000** | 50 | 1 | UG/L | 06/23/2022 | EBS |
| Iron (Dissolved) | EPA-200.8 | **11000** | 50 | 1 | UG/L | 06/23/2022 | EBS |
| Manganese (Dissolved) | EPA-200.8 | **24000** | 10 | 5 | UG/L | 06/23/2022 | EBS |
| Alkalinity | SM2320B | **390** | 2.0 | 1 | MG/L | 07/01/2022 | CAS |
| Total Organic Carbon (TOC) | SM5310C | **13** | 0.50 | 1 | MG/L | 06/27/2022 | CAS |
| Chemical Oxygen Demand (COD) | SM5220D | **39** | 10 | 1 | MG/L | 07/01/2022 | CAS |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **105** | 06/27/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **105** | 06/27/2022 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/6/2022
ALS SDG#: EV22060138
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-062722W - Batch 180595 - Water by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Chloromethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | UG/L | 0.20 | 06/27/2022 | DLC |
| Bromomethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Chloroethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | UG/L | 5.0 | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Chloroform | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Trichloroethene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Dibromomethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | UG/L | 0.010 | 06/27/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Bromoform | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Bromobenzene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
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Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/6/2022
ALS SDG#: EV22060138
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-062722W - Batch 180595 - Water by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | UG/L | 10 | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 06/27/2022 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R411808 - Batch R411808 - Water by RSK-175

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Methane | RSK-175 | U | MG/L | 0.010 | 06/23/2022 | CCN |
| Ethane | RSK-175 | U | MG/L | 0.010 | 06/23/2022 | CCN |
| Ethene | RSK-175 | U | MG/L | 0.010 | 06/23/2022 | CCN |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R411849 - Batch R411849 - Water by SM5210B

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand (BOD) | SM5210B | U | MG/L | 5.0 | 06/24/2022 | RAL |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R411809 - Batch R411809 - Water by EPA-300.0

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Chloride | EPA-300.0 | U | MG/L | 0.092 | 06/23/2022 | RAL |
| Nitrate | EPA-300.0 | U | MG/L | 0.15 | 06/23/2022 | RAL |
| Nitrite | EPA-300.0 | U | MG/L | 0.14 | 06/23/2022 | RAL |
| Sulfate | EPA-300.0 | U | MG/L | 0.26 | 06/23/2022 | RAL |

U - Analyte analyzed for but not detected at level above reporting limit.

### MB-062322W - Batch 180321 - Water by EPA-200.8

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Calcium | EPA-200.8 | U | UG/L | 50 | 06/23/2022 | EBS |
| Hardness | EPA-200.8 | U | MG/L | 1.0 | 06/23/2022 | EBS |
| Iron | EPA-200.8 | U | UG/L | 50 | 06/23/2022 | EBS |
| Manganese | EPA-200.8 | U | UG/L | 2.0 | 06/23/2022 | EBS |

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| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/6/2022 |
| | | ALS SDG#: | EV22060138 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Kyle Bennett | | |
| CLIENT PROJECT: | 81207449, Task 8 | | |

## LABORATORY BLANK RESULTS

### MB-062322W - Batch 180404 - Water by EPA-200.8

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Calcium (Dissolved) | EPA-200.8 | U | UG/L | 50 | 06/23/2022 | EBS |
| Iron (Dissolved) | EPA-200.8 | U | UG/L | 50 | 06/23/2022 | EBS |
| Manganese (Dissolved) | EPA-200.8 | U | UG/L | 2.0 | 06/23/2022 | EBS |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R412336 - Batch R412336 - Water by SM2320B

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Alkalinity | SM2320B | U | MG/L | 2.0 | 07/01/2022 | CAS |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R412337 - Batch R412337 - Water by SM5310C

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | SM5310C | U | MG/L | 0.50 | 06/27/2022 | CAS |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R412338 - Batch R412338 - Water by SM5220D

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand (COD) | SM5220D | U | MG/L | 10 | 07/01/2022 | CAS |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/6/2022
ALS SDG#: EV22060138
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 180595 - Water by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **116** | | | 50 | 150 | 06/27/2022 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **110** | **5** | | 50 | 150 | 06/27/2022 | DLC |
| Chloromethane - BS | EPA-8260 | **88.3** | | | 50 | 150 | 06/27/2022 | DLC |
| Chloromethane - BSD | EPA-8260 | **83.5** | **6** | | 50 | 150 | 06/27/2022 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **115** | | | 50 | 150 | 06/27/2022 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **110** | **5** | | 50 | 150 | 06/27/2022 | DLC |
| Bromomethane - BS | EPA-8260 | **94.9** | | | 50 | 150 | 06/27/2022 | DLC |
| Bromomethane - BSD | EPA-8260 | **99.5** | **5** | | 50 | 150 | 06/27/2022 | DLC |
| Chloroethane - BS | EPA-8260 | **122** | | | 50 | 150 | 06/27/2022 | DLC |
| Chloroethane - BSD | EPA-8260 | **117** | **4** | | 50 | 150 | 06/27/2022 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **110** | | | 50 | 150 | 06/27/2022 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **106** | **4** | | 50 | 150 | 06/27/2022 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **121** | | | 50 | 150 | 06/27/2022 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **116** | **5** | | 50 | 150 | 06/27/2022 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **122** | | | 72.5 | 136 | 06/27/2022 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **117** | **4** | | 72.5 | 136 | 06/27/2022 | DLC |
| Methylene Chloride - BS | EPA-8260 | **95.7** | | | 50 | 150 | 06/27/2022 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **96.8** | **1** | | 50 | 150 | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **114** | | | 50 | 150 | 06/27/2022 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **110** | **4** | | 50 | 150 | 06/27/2022 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **119** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **115** | **4** | | 50 | 150 | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **118** | | | 50 | 150 | 06/27/2022 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **115** | **3** | | 50 | 150 | 06/27/2022 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **118** | | | 50 | 150 | 06/27/2022 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **111** | **6** | | 50 | 150 | 06/27/2022 | DLC |
| Bromochloromethane - BS | EPA-8260 | **117** | | | 50 | 150 | 06/27/2022 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **113** | **4** | | 50 | 150 | 06/27/2022 | DLC |
| Chloroform - BS | EPA-8260 | **119** | | | 50 | 150 | 06/27/2022 | DLC |
| Chloroform - BSD | EPA-8260 | **115** | **3** | | 50 | 150 | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **116** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **111** | **5** | | 50 | 150 | 06/27/2022 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **122** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **117** | **4** | | 50 | 150 | 06/27/2022 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **120** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **118** | **2** | | 50 | 150 | 06/27/2022 | DLC |
| Trichloroethene - BS | EPA-8260 | **124** | | | 74.4 | 141 | 06/27/2022 | DLC |
| Trichloroethene - BSD | EPA-8260 | **120** | **3** | | 74.4 | 141 | 06/27/2022 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **129** | | | 50 | 150 | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/6/2022
ALS SDG#: EV22060138
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane - BSD | EPA-8260 | **126** | **3** | | 50 | 150 | 06/27/2022 | DLC |
| Dibromomethane - BS | EPA-8260 | **120** | | | 50 | 150 | 06/27/2022 | DLC |
| Dibromomethane - BSD | EPA-8260 | **118** | **2** | | 50 | 150 | 06/27/2022 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **124** | | | 50 | 150 | 06/27/2022 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **121** | **2** | | 50 | 150 | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **121** | | | 50 | 150 | 06/27/2022 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **120** | **1** | | 50 | 150 | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **134** | | | 50 | 150 | 06/27/2022 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **131** | **3** | | 50 | 150 | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **116** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **116** | **0** | | 50 | 150 | 06/27/2022 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **114** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **114** | **0** | | 50 | 150 | 06/27/2022 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **128** | | | 50 | 150 | 06/27/2022 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **126** | **2** | | 50 | 150 | 06/27/2022 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **100** | | | 50 | 150 | 06/27/2022 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **100** | **0** | | 50 | 150 | 06/27/2022 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **107** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **107** | **0** | | 50 | 150 | 06/27/2022 | DLC |
| Chlorobenzene - BS | EPA-8260 | **112** | | | 73 | 131 | 06/27/2022 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **110** | **2** | | 73 | 131 | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **104** | **2** | | 50 | 150 | 06/27/2022 | DLC |
| Bromoform - BS | EPA-8260 | **99.9** | | | 50 | 150 | 06/27/2022 | DLC |
| Bromoform - BSD | EPA-8260 | **100** | **1** | | 50 | 150 | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **122** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **125** | **2** | | 50 | 150 | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **117** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **120** | **3** | | 50 | 150 | 06/27/2022 | DLC |
| Bromobenzene - BS | EPA-8260 | **110** | | | 50 | 150 | 06/27/2022 | DLC |
| Bromobenzene - BSD | EPA-8260 | **111** | **1** | | 50 | 150 | 06/27/2022 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **116** | | | 50 | 150 | 06/27/2022 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **116** | **0** | | 50 | 150 | 06/27/2022 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **119** | | | 50 | 150 | 06/27/2022 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **120** | **1** | | 50 | 150 | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **114** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **115** | **1** | | 50 | 150 | 06/27/2022 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **115** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **115** | **0** | | 50 | 150 | 06/27/2022 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **109** | | | 50 | 150 | 06/27/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/6/2022
ALS SDG#: EV22060138
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **111** | **1** | | 50 | 150 | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **109** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **113** | **3** | | 50 | 150 | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **108** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **110** | **2** | | 50 | 150 | 06/27/2022 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **107** | | | 50 | 150 | 06/27/2022 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **108** | **1** | | 50 | 150 | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **112** | | | 50 | 150 | 06/27/2022 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **115** | **3** | | 50 | 150 | 06/27/2022 | DLC |

### ALS Test Batch ID: R411808 - Water by RSK-175

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Methane - BS | RSK-175 | **87.7** | | | 80 | 120 | 06/23/2022 | CCN |
| Methane - BSD | RSK-175 | **84.5** | **4** | | 80 | 120 | 06/23/2022 | CCN |
| Ethane - BS | RSK-175 | **102** | | | 80 | 120 | 06/23/2022 | CCN |
| Ethane - BSD | RSK-175 | **92.4** | **10** | | 80 | 120 | 06/23/2022 | CCN |
| Ethene - BS | RSK-175 | **87.6** | | | 80 | 120 | 06/23/2022 | CCN |
| Ethene - BSD | RSK-175 | **84.8** | **3** | | 80 | 120 | 06/23/2022 | CCN |

### ALS Test Batch ID: R411849 - Water by SM5210B

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand (BOD) - BS | SM5210B | **113** | | | 85 | 115 | 06/24/2022 | RAL |
| Biochemical Oxygen Demand (BOD) - BSD | SM5210B | **108** | **4** | | 85 | 115 | 06/24/2022 | RAL |

### ALS Test Batch ID: R411809 - Water by EPA-300.0

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Chloride - BS | EPA-300.0 | **106** | | | 80 | 120 | 06/23/2022 | RAL |
| Chloride - BSD | EPA-300.0 | **107** | **1** | | 80 | 120 | 06/23/2022 | RAL |
| Nitrate - BS | EPA-300.0 | **98.5** | | | 80 | 120 | 06/23/2022 | RAL |
| Nitrate - BSD | EPA-300.0 | **96.5** | **2** | | 80 | 120 | 06/23/2022 | RAL |
| Nitrite - BS | EPA-300.0 | **104** | | | 80 | 120 | 06/23/2022 | RAL |
| Nitrite - BSD | EPA-300.0 | **104** | **1** | | 80 | 120 | 06/23/2022 | RAL |
| Sulfate - BS | EPA-300.0 | **104** | | | 80 | 120 | 06/23/2022 | RAL |
| Sulfate - BSD | EPA-300.0 | **98.5** | **5** | | 80 | 120 | 06/23/2022 | RAL |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/6/2022
ALS SDG#: EV22060138
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 180321 - Water by EPA-200.8

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Calcium - BS | EPA-200.8 | **99.8** | | | 80 | 120 | 06/23/2022 | EBS |
| Calcium - BSD | EPA-200.8 | **96.8** | **3** | | 80 | 120 | 06/23/2022 | EBS |
| Iron - BS | EPA-200.8 | **103** | | | 80 | 120 | 06/23/2022 | EBS |
| Iron - BSD | EPA-200.8 | **101** | **3** | | 80 | 120 | 06/23/2022 | EBS |
| Manganese - BS | EPA-200.8 | **99.2** | | | 82.2 | 110 | 06/23/2022 | EBS |
| Manganese - BSD | EPA-200.8 | **96.7** | **2** | | 82.2 | 110 | 06/23/2022 | EBS |

### ALS Test Batch ID: 180404 - Water by EPA-200.8

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Calcium (Dissolved) - BS | EPA-200.8 | **99.8** | | | 80 | 120 | 06/23/2022 | EBS |
| Calcium (Dissolved) - BSD | EPA-200.8 | **96.8** | **3** | | 80 | 120 | 06/23/2022 | EBS |
| Iron (Dissolved) - BS | EPA-200.8 | **103** | | | 80 | 120 | 06/23/2022 | EBS |
| Iron (Dissolved) - BSD | EPA-200.8 | **101** | **3** | | 80 | 120 | 06/23/2022 | EBS |
| Manganese (Dissolved) - BS | EPA-200.8 | **99.2** | | | 82.2 | 110 | 06/23/2022 | EBS |
| Manganese (Dissolved) - BSD | EPA-200.8 | **96.7** | **2** | | 82.2 | 110 | 06/23/2022 | EBS |

### ALS Test Batch ID: R412336 - Water by SM2320B

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Alkalinity - BS | SM2320B | **100** | | | 85 | 115 | 07/01/2022 | CAS |

### ALS Test Batch ID: R412337 - Water by SM5310C

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) - BS | SM5310C | **105** | | | 83 | 117 | 06/27/2022 | CAS |
| Total Organic Carbon (TOC) - BSD | SM5310C | **105** | **0** | | 83 | 117 | 06/27/2022 | CAS |

### ALS Test Batch ID: R412338 - Water by SM5220D

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand (COD) - BS | SM5220D | **102** | | | 83 | 117 | 07/01/2022 | CAS |

APPROVED BY

Laboratory Director



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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV22060138

Date 6.22.22 Page 1 Of 1

PROJECT ID: 81207449, Task 8
REPORT TO COMPANY: Terracon
PROJECT MANAGER: Kyle Bennett
ADDRESS: 2905 64th Ave. W. Ste 100, Mountlake Terrace, WA
PHONE: 425-771-3304 P.O. #:
E-MAIL: Kyle.Bennett@Terracon.com
INVOICE TO COMPANY: Zach.Butters@Terracon.com
ATTENTION:
ADDRESS: Same as above

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify): cVOCs by EPA 8260 | Headspace, BOD, Anions | Total Metals, Dissolved Metals | Alkalinity, TDC, COD | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. MW-4 | 6.22.22 | 1520 | W | 1 | | | | | | | | | | | | | | | X | | | | 3 | |
| 2. MW-5 | | 1550 | | 2 | | | | | | | | | | | | | | | | | | | 3 | |
| 3. MW-6 | | 1205 | | 3 | | | | | | | | | | | | | | | | | | | 3 | |
| 4. MW-10 | | 1440 | | 4 | | | | | | | | | | | | | | | | | | | 3 | |
| 5. MW-11 | | 1400 | | 5 | | | | | | | | | | | | | | | | X | X | X | 7 | |
| 6. MW-12 | | 1105 | | 6 | | | | | | | | | | | | | | | | | | | 3 | |
| 7. MW-13 | ↓ | 1530 | ↓ | 7 | | | | | | | | | | | | | | | ↓ | X | X | X | 7 | |
| 8. | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS: Metals- Ca, Fe, Mn, Hardness Anions- Cl, $NO_3$, $NO_2$, $SO_4$

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Madeleine Turner Terracon 6/23/22 0800
   Received By: ALS 6-23-22 0941
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

July 14, 2022

Mr. Kyle Bennett
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett,

On July 12th, 1 sample was received by our laboratory and assigned our laboratory project number EV22070043. The project was identified as your 81207449, Task 8. 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

Carl Nott
Professional Scientist



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/14/2022 |
| | | ALS JOB#: | EV22070043 |
| | | ALS SAMPLE#: | EV22070043-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/12/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 7/12/2022 1:10:00 PM |
| CLIENT SAMPLE ID | MW-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 07/13/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 07/13/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 07/13/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/14/2022 |
| | | ALS JOB#: | EV22070043 |
| | | ALS SAMPLE#: | EV22070043-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 07/12/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 7/12/2022 1:10:00 PM |
| CLIENT SAMPLE ID | MW-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 07/13/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 07/13/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 07/13/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 07/13/2022 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/14/2022
ALS SDG#: EV22070043
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-071322W - Batch 181204 - Water by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Chloromethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | UG/L | 0.20 | 07/13/2022 | DLC |
| Bromomethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Chloroethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | UG/L | 5.0 | 07/13/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Chloroform | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Trichloroethene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Dibromomethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | UG/L | 0.010 | 07/13/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Bromoform | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Bromobenzene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 7/14/2022 |
| | | ALS SDG#: | EV22070043 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Kyle Bennett | | |
| CLIENT PROJECT: | 81207449, Task 8 | | |

## LABORATORY BLANK RESULTS

**MB-071322W - Batch 181204 - Water by EPA-8260**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | UG/L | 10 | 07/13/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 07/13/2022 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/14/2022
ALS SDG#: EV22070043
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 181204 - Water by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **104** | | | 50 | 150 | 07/13/2022 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **106** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| Chloromethane - BS | EPA-8260 | **107** | | | 50 | 150 | 07/13/2022 | DLC |
| Chloromethane - BSD | EPA-8260 | **106** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **106** | | | 50 | 150 | 07/13/2022 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **109** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| Bromomethane - BS | EPA-8260 | **107** | | | 50 | 150 | 07/13/2022 | DLC |
| Bromomethane - BSD | EPA-8260 | **110** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| Chloroethane - BS | EPA-8260 | **107** | | | 50 | 150 | 07/13/2022 | DLC |
| Chloroethane - BSD | EPA-8260 | **109** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **108** | | | 50 | 150 | 07/13/2022 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **111** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **108** | | | 50 | 150 | 07/13/2022 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **112** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **104** | | | 72.5 | 136 | 07/13/2022 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **108** | **3** | | 72.5 | 136 | 07/13/2022 | DLC |
| Methylene Chloride - BS | EPA-8260 | **96.2** | | | 50 | 150 | 07/13/2022 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **97.7** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **106** | | | 50 | 150 | 07/13/2022 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **110** | **4** | | 50 | 150 | 07/13/2022 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **108** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **106** | | | 50 | 150 | 07/13/2022 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **109** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/13/2022 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **108** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| Bromochloromethane - BS | EPA-8260 | **100** | | | 50 | 150 | 07/13/2022 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **101** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| Chloroform - BS | EPA-8260 | **96.1** | | | 50 | 150 | 07/13/2022 | DLC |
| Chloroform - BSD | EPA-8260 | **98.7** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **108** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **106** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **109** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **106** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| Trichloroethene - BS | EPA-8260 | **104** | | | 74.4 | 141 | 07/13/2022 | DLC |
| Trichloroethene - BSD | EPA-8260 | **108** | **4** | | 74.4 | 141 | 07/13/2022 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/13/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/14/2022
ALS SDG#: EV22070043
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane - BSD | EPA-8260 | **108** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| Dibromomethane - BS | EPA-8260 | **107** | | | 50 | 150 | 07/13/2022 | DLC |
| Dibromomethane - BSD | EPA-8260 | **108** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **106** | | | 50 | 150 | 07/13/2022 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **108** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **111** | | | 50 | 150 | 07/13/2022 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **113** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **110** | | | 50 | 150 | 07/13/2022 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **112** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **106** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **105** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **106** | **0** | | 50 | 150 | 07/13/2022 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **105** | | | 50 | 150 | 07/13/2022 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **127** | **19** | | 50 | 150 | 07/13/2022 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **107** | | | 50 | 150 | 07/13/2022 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **109** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **102** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| Chlorobenzene - BS | EPA-8260 | **105** | | | 73 | 131 | 07/13/2022 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **108** | **3** | | 73 | 131 | 07/13/2022 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **105** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **108** | **2** | | 50 | 150 | 07/13/2022 | DLC |
| Bromoform - BS | EPA-8260 | **109** | | | 50 | 150 | 07/13/2022 | DLC |
| Bromoform - BSD | EPA-8260 | **110** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **103** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **101** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **102** | **1** | | 50 | 150 | 07/13/2022 | DLC |
| Bromobenzene - BS | EPA-8260 | **102** | | | 50 | 150 | 07/13/2022 | DLC |
| Bromobenzene - BSD | EPA-8260 | **107** | **4** | | 50 | 150 | 07/13/2022 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **101** | | | 50 | 150 | 07/13/2022 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **105** | **4** | | 50 | 150 | 07/13/2022 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **103** | | | 50 | 150 | 07/13/2022 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **107** | **4** | | 50 | 150 | 07/13/2022 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **106** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **110** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **105** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **109** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **103** | | | 50 | 150 | 07/13/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 7/14/2022
ALS SDG#: EV22070043
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **106** | **3** | | 50 | 150 | 07/13/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **96.1** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **96.1** | **0** | | 50 | 150 | 07/13/2022 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **101** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **105** | **4** | | 50 | 150 | 07/13/2022 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **104** | | | 50 | 150 | 07/13/2022 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **109** | **5** | | 50 | 150 | 07/13/2022 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **108** | | | 50 | 150 | 07/13/2022 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **112** | **4** | | 50 | 150 | 07/13/2022 | DLC |

APPROVED BY

Professional Scientist



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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): EV2207 0043

Date 7.12.22 Page 1 Of 1

| | |
|---|---|
| PROJECT ID: | 81207449, Task 8 |
| REPORT TO COMPANY: | Terracon |
| PROJECT MANAGER: | Kyle Bennett |
| ADDRESS: | 21905 64th Ave W. Ste 100 Mountlake Terrace, WA 98043 |
| PHONE: | 425-771-3304 P.O. #: |
| E-MAIL: | Kyle.Bennett@Terracon.com, Zach.Butters@T |
| INVOICE TO COMPANY: | |
| ATTENTION: | Same as above |
| ADDRESS: | |

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# |
|---|---|---|---|---|
| 1. MW-14 | 7.12.22 | 1310 | W | 1 |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |

ANALYSIS REQUESTED

| NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |

OTHER (Specify)

| VOCs by 8260 | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|
| X | | |

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [signature], Terracon, 7/12/22 14:00
   Received By: Shawn Robinson ALS 7/12/22 2:00pm
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 (X) | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

OTHER: Specify: Standard TAT

*Turnaround request less than standard may incur Rush Charges

October 5, 2022

Mr. Kyle Bennett
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett,

On September 20th, 8 samples were received by our laboratory and assigned our laboratory project number EV22090086. The project was identified as your 81207449, Task 8. 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



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ALS Group USA, Corp dba ALS Environmental

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 11:50:00 AM |
| CLIENT SAMPLE ID | MW-4 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 09/22/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 09/22/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-01 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 11:50:00 AM |
| CLIENT SAMPLE ID | MW-4 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 09/22/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **103** | 09/22/2022 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 12:25:00 PM |
| CLIENT SAMPLE ID | MW-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 09/22/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 09/22/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |



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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-02 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 12:25:00 PM |
| CLIENT SAMPLE ID | MW-5 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 09/22/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 09/22/2022 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 5:05:00 PM |
| CLIENT SAMPLE ID | MW-6 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 09/22/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 09/22/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-03 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 5:05:00 PM |
| CLIENT SAMPLE ID | MW-6 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 09/22/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **104** | 09/22/2022 | DLC |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 4:30:00 PM |
| CLIENT SAMPLE ID | MW-10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 09/22/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 09/22/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-04 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 4:30:00 PM |
| CLIENT SAMPLE ID | MW-10 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 09/22/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **105** | 09/22/2022 | DLC |

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## CERTIFICATE OF ANALYSIS

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-05 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 3:25:00 PM |
| CLIENT SAMPLE ID | MW-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 09/22/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 09/22/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-05 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 3:25:00 PM |
| CLIENT SAMPLE ID | MW-11 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methane | RSK-175 | U | 0.010 | 1 | MG/L | 10/04/2022 | CCN |
| Ethane | RSK-175 | U | 0.010 | 1 | MG/L | 10/04/2022 | CCN |
| Ethene | RSK-175 | U | 0.010 | 1 | MG/L | 10/04/2022 | CCN |
| Biochemical Oxygen Demand (BOD) | SM5210B | U | 5.0 | 1 | MG/L | 09/21/2022 | RAL |
| Chloride | EPA-300.0 | **4.2** | 0.092 | 1 | MG/L | 09/20/2022 | RAL |
| Nitrate | EPA-300.0 | U | 0.15 | 1 | MG/L | 09/20/2022 | RAL |
| Nitrite | EPA-300.0 | U | 0.14 | 1 | MG/L | 09/20/2022 | RAL |
| Sulfate | EPA-300.0 | **11** | 0.26 | 1 | MG/L | 09/20/2022 | RAL |
| Calcium | EPA-200.8 | **16000** | 50 | 1 | UG/L | 09/23/2022 | RAL |
| Hardness | EPA-200.8 | **110** | 1.0 | 1 | MG/L | 09/23/2022 | RAL |
| Iron | EPA-200.8 | **2200** | 50 | 1 | UG/L | 09/23/2022 | RAL |
| Manganese | EPA-200.8 | **1900** | 2.0 | 1 | UG/L | 09/23/2022 | RAL |
| Calcium (Dissolved) | EPA-200.8 | **16000** | 50 | 1 | UG/L | 09/23/2022 | RAL |
| Iron (Dissolved) | EPA-200.8 | **390** | 50 | 1 | UG/L | 09/23/2022 | RAL |
| Manganese (Dissolved) | EPA-200.8 | **2200** | 2.0 | 1 | UG/L | 09/23/2022 | RAL |
| Alkalinity | SM2320B | **120** | 0 | 1 | MG/L | 09/28/2022 | CAS |
| Total Organic Carbon (TOC) | SM5310C | **3.1** | 0.50 | 1 | MG/L | 09/28/2022 | CAS |
| Chemical Oxygen Demand (COD) | SM5220D | **14** | 5.0 | 1 | MG/L | 09/28/2022 | CAS |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 09/22/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **104** | 09/22/2022 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-06 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 1:00:00 PM |
| CLIENT SAMPLE ID | MW-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 09/22/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 09/22/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |



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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-06 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 1:00:00 PM |
| CLIENT SAMPLE ID | MW-12 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **104** | 09/22/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **106** | 09/22/2022 | DLC |

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| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 2:15:00 PM |
| CLIENT SAMPLE ID | MW-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Vinyl Chloride | EPA-8260 | **2.7** | 0.20 | 1 | UG/L | 09/22/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | **2.9** | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 09/22/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-07 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 2:15:00 PM |
| CLIENT SAMPLE ID | MW-13 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methane | RSK-175 | **1.4** | 0.010 | 1 | MG/L | 10/04/2022 | CCN |
| Ethane | RSK-175 | U | 0.010 | 1 | MG/L | 10/04/2022 | CCN |
| Ethene | RSK-175 | U | 0.010 | 1 | MG/L | 10/04/2022 | CCN |
| Biochemical Oxygen Demand (BOD) | SM5210B | **22** | 5.0 | 1 | MG/L | 09/21/2022 | RAL |
| Chloride | EPA-300.0 | **13** | 0.092 | 1 | MG/L | 09/20/2022 | RAL |
| Nitrate | EPA-300.0 | U | 0.15 | 1 | MG/L | 09/20/2022 | RAL |
| Nitrite | EPA-300.0 | U | 0.14 | 1 | MG/L | 09/20/2022 | RAL |
| Sulfate | EPA-300.0 | **2.1** | 0.26 | 1 | MG/L | 09/20/2022 | RAL |
| Calcium | EPA-200.8 | **110000** | 50 | 1 | UG/L | 09/23/2022 | RAL |
| Hardness | EPA-200.8 | **450** | 1.0 | 1 | MG/L | 09/23/2022 | RAL |
| Iron | EPA-200.8 | **64000** | 50 | 1 | UG/L | 09/23/2022 | RAL |
| Manganese | EPA-200.8 | **32000** | 40 | 20 | UG/L | 09/23/2022 | RAL |
| Calcium (Dissolved) | EPA-200.8 | **100000** | 50 | 1 | UG/L | 09/23/2022 | RAL |
| Iron (Dissolved) | EPA-200.8 | **55000** | 50 | 1 | UG/L | 09/23/2022 | RAL |
| Manganese (Dissolved) | EPA-200.8 | **31000** | 40 | 20 | UG/L | 09/23/2022 | RAL |
| Alkalinity | SM2320B | **490** | 0 | 1 | MG/L | 09/28/2022 | CAS |
| Total Organic Carbon (TOC) | SM5310C | **2.2** | 0.50 | 1 | MG/L | 09/28/2022 | CAS |
| Chemical Oxygen Demand (COD) | SM5220D | **78** | 5.0 | 1 | MG/L | 09/28/2022 | CAS |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 09/22/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **90.9** | 09/22/2022 | DLC |

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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-08 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 11:35:00 AM |
| CLIENT SAMPLE ID | MW-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | 0.20 | 1 | UG/L | 09/22/2022 | DLC |
| Bromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | 5.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Chloroform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trichloroethene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromomethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | 0.010 | 1 | UG/L | 09/22/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromoform | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Bromobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 10/5/2022<br>EV22090086<br>EV22090086-08 |
| CLIENT CONTACT: | Kyle Bennett | DATE RECEIVED: | 09/20/2022 |
| CLIENT PROJECT: | 81207449, Task 8 | COLLECTION DATE: | 9/20/2022 11:35:00 AM |
| CLIENT SAMPLE ID | MW-14 | WDOE ACCREDITATION: | C601 |

## SAMPLE DATA RESULTS

| ANALYTE | METHOD | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | 10 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | 2.0 | 1 | UG/L | 09/22/2022 | DLC |

| SURROGATE | METHOD | %REC | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | EPA-8260 | **103** | 09/22/2022 | DLC |
| 4-Bromofluorobenzene | EPA-8260 | **97.1** | 09/22/2022 | DLC |

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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 10/5/2022
ALS SDG#: EV22090086
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-092222W - Batch 183981 - Water by EPA-8260

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Chloromethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Vinyl Chloride | EPA-8260 | U | UG/L | 0.20 | 09/22/2022 | DLC |
| Bromomethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Chloroethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Carbon Tetrachloride | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Trichlorofluoromethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,1-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Methylene Chloride | EPA-8260 | U | UG/L | 5.0 | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,1-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 2,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Bromochloromethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Chloroform | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,1-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,2-Dichloroethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Trichloroethene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,2-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Dibromomethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Bromodichloromethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,3-Dichloropropane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Tetrachloroethylene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Dibromochloromethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,2-Dibromoethane | EPA-8260 | U | UG/L | 0.010 | 09/22/2022 | DLC |
| Chlorobenzene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Bromoform | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Bromobenzene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 2-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 4-Chlorotoluene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |



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CLIENT: Terracon
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Mountlake Terrace, WA 98043
CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 10/5/2022
ALS SDG#: EV22090086
WDOE ACCREDITATION: C601

## LABORATORY BLANK RESULTS

### MB-092222W - Batch 183981 - Water by EPA-8260

| | | | | | | |
|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane | EPA-8260 | U | UG/L | 10 | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| Hexachlorobutadiene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene | EPA-8260 | U | UG/L | 2.0 | 09/22/2022 | DLC |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R418654 - Batch R418654 - Water by RSK-175

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Methane | RSK-175 | U | MG/L | 0.010 | 10/04/2022 | CCN |
| Ethane | RSK-175 | U | MG/L | 0.010 | 10/04/2022 | CCN |
| Ethene | RSK-175 | U | MG/L | 0.010 | 10/04/2022 | CCN |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R418037 - Batch R418037 - Water by SM5210B

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand (BOD) | SM5210B | U | MG/L | 5.0 | 09/21/2022 | RAL |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R418217 - Batch R418217 - Water by EPA-300.0

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Chloride | EPA-300.0 | U | MG/L | 0.092 | 09/20/2022 | RAL |
| Nitrate | EPA-300.0 | U | MG/L | 0.15 | 09/20/2022 | RAL |
| Nitrite | EPA-300.0 | U | MG/L | 0.14 | 09/20/2022 | RAL |
| Sulfate | EPA-300.0 | U | MG/L | 0.26 | 09/20/2022 | RAL |

U - Analyte analyzed for but not detected at level above reporting limit.

### MB-092322W - Batch 184129 - Water by EPA-200.8

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Calcium | EPA-200.8 | U | UG/L | 50 | 09/23/2022 | RAL |
| Hardness | EPA-200.8 | U | MG/L | 1.0 | 09/23/2022 | RAL |
| Iron | EPA-200.8 | U | UG/L | 50 | 09/23/2022 | RAL |
| Manganese | EPA-200.8 | U | UG/L | 2.0 | 09/23/2022 | RAL |

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|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 10/5/2022 |
| | | ALS SDG#: | EV22090086 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Kyle Bennett | | |
| CLIENT PROJECT: | 81207449, Task 8 | | |

## LABORATORY BLANK RESULTS

### MB-092322W - Batch 184130 - Water by EPA-200.8

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Calcium (Dissolved) | EPA-200.8 | U | UG/L | 50 | 09/23/2022 | RAL |
| Iron (Dissolved) | EPA-200.8 | U | UG/L | 50 | 09/23/2022 | RAL |
| Manganese (Dissolved) | EPA-200.8 | U | UG/L | 2.0 | 09/23/2022 | RAL |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R418686 - Batch R418686 - Water by SM2320B

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Alkalinity | SM2320B | U | MG/L | 9.0 | 09/28/2022 | CAS |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R418687 - Batch R418687 - Water by SM5310C

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | SM5310C | U | MG/L | 0.50 | 09/28/2022 | CAS |

U - Analyte analyzed for but not detected at level above reporting limit.

### MBLK-R418688 - Batch R418688 - Water by SM5220D

| ANALYTE | METHOD | RESULTS | UNITS | REPORTING LIMITS | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand (COD) | SM5220D | **100** | MG/L | 5.0 | 09/28/2022 | CAS |

U - Analyte analyzed for but not detected at level above reporting limit.



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | Terracon<br>21905 - 64th Ave W, Suite 100<br>Mountlake Terrace, WA 98043 | DATE: | 10/5/2022 |
| | | ALS SDG#: | EV22090086 |
| | | WDOE ACCREDITATION: | C601 |
| CLIENT CONTACT: | Kyle Bennett | | |
| CLIENT PROJECT: | 81207449, Task 8 | | |

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 183981 - Water by EPA-8260

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane - BS | EPA-8260 | **104** | | | 50 | 150 | 09/22/2022 | DLC |
| Dichlorodifluoromethane - BSD | EPA-8260 | **101** | **2** | | 50 | 150 | 09/22/2022 | DLC |
| Chloromethane - BS | EPA-8260 | **98.2** | | | 50 | 150 | 09/22/2022 | DLC |
| Chloromethane - BSD | EPA-8260 | **99.9** | **2** | | 50 | 150 | 09/22/2022 | DLC |
| Vinyl Chloride - BS | EPA-8260 | **113** | | | 50 | 150 | 09/22/2022 | DLC |
| Vinyl Chloride - BSD | EPA-8260 | **114** | **0** | | 50 | 150 | 09/22/2022 | DLC |
| Bromomethane - BS | EPA-8260 | **91.1** | | | 50 | 150 | 09/22/2022 | DLC |
| Bromomethane - BSD | EPA-8260 | **95.6** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| Chloroethane - BS | EPA-8260 | **109** | | | 50 | 150 | 09/22/2022 | DLC |
| Chloroethane - BSD | EPA-8260 | **111** | **1** | | 50 | 150 | 09/22/2022 | DLC |
| Carbon Tetrachloride - BS | EPA-8260 | **115** | | | 50 | 150 | 09/22/2022 | DLC |
| Carbon Tetrachloride - BSD | EPA-8260 | **115** | **1** | | 50 | 150 | 09/22/2022 | DLC |
| Trichlorofluoromethane - BS | EPA-8260 | **114** | | | 50 | 150 | 09/22/2022 | DLC |
| Trichlorofluoromethane - BSD | EPA-8260 | **114** | **0** | | 50 | 150 | 09/22/2022 | DLC |
| 1,1-Dichloroethene - BS | EPA-8260 | **115** | | | 72.5 | 136 | 09/22/2022 | DLC |
| 1,1-Dichloroethene - BSD | EPA-8260 | **116** | **1** | | 72.5 | 136 | 09/22/2022 | DLC |
| Methylene Chloride - BS | EPA-8260 | **93.1** | | | 50 | 150 | 09/22/2022 | DLC |
| Methylene Chloride - BSD | EPA-8260 | **103** | **10** | | 50 | 150 | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene - BS | EPA-8260 | **108** | | | 50 | 150 | 09/22/2022 | DLC |
| Trans-1,2-Dichloroethene - BSD | EPA-8260 | **110** | **2** | | 50 | 150 | 09/22/2022 | DLC |
| 1,1-Dichloroethane - BS | EPA-8260 | **108** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,1-Dichloroethane - BSD | EPA-8260 | **111** | **2** | | 50 | 150 | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene - BS | EPA-8260 | **108** | | | 50 | 150 | 09/22/2022 | DLC |
| Cis-1,2-Dichloroethene - BSD | EPA-8260 | **111** | **2** | | 50 | 150 | 09/22/2022 | DLC |
| 2,2-Dichloropropane - BS | EPA-8260 | **115** | | | 50 | 150 | 09/22/2022 | DLC |
| 2,2-Dichloropropane - BSD | EPA-8260 | **115** | **1** | | 50 | 150 | 09/22/2022 | DLC |
| Bromochloromethane - BS | EPA-8260 | **104** | | | 50 | 150 | 09/22/2022 | DLC |
| Bromochloromethane - BSD | EPA-8260 | **107** | **3** | | 50 | 150 | 09/22/2022 | DLC |
| Chloroform - BS | EPA-8260 | **109** | | | 50 | 150 | 09/22/2022 | DLC |
| Chloroform - BSD | EPA-8260 | **111** | **2** | | 50 | 150 | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane - BS | EPA-8260 | **112** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,1,1-Trichloroethane - BSD | EPA-8260 | **114** | **2** | | 50 | 150 | 09/22/2022 | DLC |
| 1,1-Dichloropropene - BS | EPA-8260 | **115** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,1-Dichloropropene - BSD | EPA-8260 | **116** | **1** | | 50 | 150 | 09/22/2022 | DLC |
| 1,2-Dichloroethane - BS | EPA-8260 | **109** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,2-Dichloroethane - BSD | EPA-8260 | **113** | **4** | | 50 | 150 | 09/22/2022 | DLC |
| Trichloroethene - BS | EPA-8260 | **119** | | | 74.4 | 141 | 09/22/2022 | DLC |
| Trichloroethene - BSD | EPA-8260 | **120** | **0** | | 74.4 | 141 | 09/22/2022 | DLC |
| 1,2-Dichloropropane - BS | EPA-8260 | **114** | | | 50 | 150 | 09/22/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 10/5/2022
ALS SDG#: EV22090086
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane - BSD | EPA-8260 | **117** | **3** | | 50 | 150 | 09/22/2022 | DLC |
| Dibromomethane - BS | EPA-8260 | **112** | | | 50 | 150 | 09/22/2022 | DLC |
| Dibromomethane - BSD | EPA-8260 | **116** | **4** | | 50 | 150 | 09/22/2022 | DLC |
| Bromodichloromethane - BS | EPA-8260 | **113** | | | 50 | 150 | 09/22/2022 | DLC |
| Bromodichloromethane - BSD | EPA-8260 | **117** | **3** | | 50 | 150 | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene - BS | EPA-8260 | **115** | | | 50 | 150 | 09/22/2022 | DLC |
| Trans-1,3-Dichloropropene - BSD | EPA-8260 | **120** | **4** | | 50 | 150 | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene - BS | EPA-8260 | **117** | | | 50 | 150 | 09/22/2022 | DLC |
| Cis-1,3-Dichloropropene - BSD | EPA-8260 | **120** | **3** | | 50 | 150 | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane - BS | EPA-8260 | **109** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,1,2-Trichloroethane - BSD | EPA-8260 | **114** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| 1,3-Dichloropropane - BS | EPA-8260 | **107** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,3-Dichloropropane - BSD | EPA-8260 | **112** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| Tetrachloroethylene - BS | EPA-8260 | **141** | | | 50 | 150 | 09/22/2022 | DLC |
| Tetrachloroethylene - BSD | EPA-8260 | **119** | **17** | | 50 | 150 | 09/22/2022 | DLC |
| Dibromochloromethane - BS | EPA-8260 | **103** | | | 50 | 150 | 09/22/2022 | DLC |
| Dibromochloromethane - BSD | EPA-8260 | **109** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| 1,2-Dibromoethane - BS | EPA-8260 | **105** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,2-Dibromoethane - BSD | EPA-8260 | **111** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| Chlorobenzene - BS | EPA-8260 | **110** | | | 73 | 131 | 09/22/2022 | DLC |
| Chlorobenzene - BSD | EPA-8260 | **113** | **3** | | 73 | 131 | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane - BS | EPA-8260 | **107** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,1,1,2-Tetrachloroethane - BSD | EPA-8260 | **112** | **4** | | 50 | 150 | 09/22/2022 | DLC |
| Bromoform - BS | EPA-8260 | **105** | | | 50 | 150 | 09/22/2022 | DLC |
| Bromoform - BSD | EPA-8260 | **111** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane - BS | EPA-8260 | **104** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,1,2,2-Tetrachloroethane - BSD | EPA-8260 | **112** | **8** | | 50 | 150 | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane - BS | EPA-8260 | **98.5** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,2,3-Trichloropropane - BSD | EPA-8260 | **105** | **7** | | 50 | 150 | 09/22/2022 | DLC |
| Bromobenzene - BS | EPA-8260 | **104** | | | 50 | 150 | 09/22/2022 | DLC |
| Bromobenzene - BSD | EPA-8260 | **109** | **4** | | 50 | 150 | 09/22/2022 | DLC |
| 2-Chlorotoluene - BS | EPA-8260 | **107** | | | 50 | 150 | 09/22/2022 | DLC |
| 2-Chlorotoluene - BSD | EPA-8260 | **111** | **4** | | 50 | 150 | 09/22/2022 | DLC |
| 4-Chlorotoluene - BS | EPA-8260 | **107** | | | 50 | 150 | 09/22/2022 | DLC |
| 4-Chlorotoluene - BSD | EPA-8260 | **112** | **4** | | 50 | 150 | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene - BS | EPA-8260 | **110** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,3-Dichlorobenzene - BSD | EPA-8260 | **116** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene - BS | EPA-8260 | **108** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,4-Dichlorobenzene - BSD | EPA-8260 | **113** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| 1,2-Dichlorobenzene - BS | EPA-8260 | **104** | | | 50 | 150 | 09/22/2022 | DLC |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 10/5/2022
ALS SDG#: EV22090086
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene - BSD | EPA-8260 | **110** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane - BS | EPA-8260 | **96.7** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,2-Dibromo 3-Chloropropane - BSD | EPA-8260 | **104** | **7** | | 50 | 150 | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene - BS | EPA-8260 | **113** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,2,4-Trichlorobenzene - BSD | EPA-8260 | **120** | **7** | | 50 | 150 | 09/22/2022 | DLC |
| Hexachlorobutadiene - BS | EPA-8260 | **128** | | | 50 | 150 | 09/22/2022 | DLC |
| Hexachlorobutadiene - BSD | EPA-8260 | **135** | **5** | | 50 | 150 | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene - BS | EPA-8260 | **112** | | | 50 | 150 | 09/22/2022 | DLC |
| 1,2,3-Trichlorobenzene - BSD | EPA-8260 | **120** | **7** | | 50 | 150 | 09/22/2022 | DLC |

### ALS Test Batch ID: R418654 - Water by RSK-175

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Methane - BS | RSK-175 | **100** | | | 80 | 120 | 10/04/2022 | CCN |
| Methane - BSD | RSK-175 | **93.3** | **7** | | 80 | 120 | 10/04/2022 | CCN |
| Ethane - BS | RSK-175 | **97.8** | | | 80 | 120 | 10/04/2022 | CCN |
| Ethane - BSD | RSK-175 | **81.2** | **19** | | 80 | 120 | 10/04/2022 | CCN |
| Ethene - BS | RSK-175 | **97.5** | | | 80 | 120 | 10/04/2022 | CCN |
| Ethene - BSD | RSK-175 | **91.1** | **7** | | 80 | 120 | 10/04/2022 | CCN |

### ALS Test Batch ID: R418037 - Water by SM5210B

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand (BOD) - BS | SM5210B | **94.9** | | | 85 | 115 | 09/21/2022 | RAL |
| Biochemical Oxygen Demand (BOD) - BSD | SM5210B | **93.9** | **1** | | 85 | 115 | 09/21/2022 | RAL |

### ALS Test Batch ID: R418217 - Water by EPA-300.0

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Chloride - BS | EPA-300.0 | **105** | | | 80 | 120 | 09/20/2022 | RAL |
| Chloride - BSD | EPA-300.0 | **107** | **2** | | 80 | 120 | 09/20/2022 | RAL |
| Nitrate - BS | EPA-300.0 | **100** | | | 80 | 120 | 09/20/2022 | RAL |
| Nitrate - BSD | EPA-300.0 | **101** | **1** | | 80 | 120 | 09/20/2022 | RAL |
| Nitrite - BS | EPA-300.0 | **103** | | | 80 | 120 | 09/20/2022 | RAL |
| Nitrite - BSD | EPA-300.0 | **103** | **0** | | 80 | 120 | 09/20/2022 | RAL |
| Sulfate - BS | EPA-300.0 | **97.0** | | | 80 | 120 | 09/20/2022 | RAL |
| Sulfate - BSD | EPA-300.0 | **102** | **5** | | 80 | 120 | 09/20/2022 | RAL |



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## CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043
CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81207449, Task 8

DATE: 10/5/2022
ALS SDG#: EV22090086
WDOE ACCREDITATION: C601

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 184129 - Water by EPA-200.8

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Calcium - BS | EPA-200.8 | **96.4** | | | 80 | 120 | 09/23/2022 | RAL |
| Calcium - BSD | EPA-200.8 | **99.3** | **3** | | 80 | 120 | 09/23/2022 | RAL |
| Iron - BS | EPA-200.8 | **99.5** | | | 80 | 120 | 09/23/2022 | RAL |
| Iron - BSD | EPA-200.8 | **104** | **4** | | 80 | 120 | 09/23/2022 | RAL |
| Manganese - BS | EPA-200.8 | **100** | | | 82.2 | 110 | 09/23/2022 | RAL |
| Manganese - BSD | EPA-200.8 | **103** | **3** | | 82.2 | 110 | 09/23/2022 | RAL |

### ALS Test Batch ID: 184130 - Water by EPA-200.8

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Calcium (Dissolved) - BS | EPA-200.8 | **96.4** | | | 80 | 120 | 09/23/2022 | RAL |
| Calcium (Dissolved) - BSD | EPA-200.8 | **99.3** | **3** | | 80 | 120 | 09/23/2022 | RAL |
| Iron (Dissolved) - BS | EPA-200.8 | **99.5** | | | 80 | 120 | 09/23/2022 | RAL |
| Iron (Dissolved) - BSD | EPA-200.8 | **104** | **4** | SR1 | 80 | 120 | 09/23/2022 | RAL |
| Manganese (Dissolved) - BS | EPA-200.8 | **100** | | | 82.2 | 110 | 09/23/2022 | RAL |
| Manganese (Dissolved) - BSD | EPA-200.8 | **103** | **3** | | 82.2 | 110 | 09/23/2022 | RAL |

SR1 - RPD outside of control limits.

### ALS Test Batch ID: R418686 - Water by SM2320B

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Alkalinity - BS | SM2320B | **107** | | | 1 | 200 | 09/28/2022 | CAS |

### ALS Test Batch ID: R418687 - Water by SM5310C

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) - BS | SM5310C | **96.0** | | | 80 | 120 | 09/28/2022 | CAS |
| Total Organic Carbon (TOC) - BSD | SM5310C | **97.0** | **121** | SR1 | 80 | 120 | 09/28/2022 | CAS |

SR1 - RPD outside of control limits.

### ALS Test Batch ID: R418688 - Water by SM5220D

| SPIKED COMPOUND | METHOD | %REC | RPD | QUAL | LIMITS MIN | LIMITS MAX | ANALYSIS DATE | ANALYSIS BY |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand (COD) - BS | SM5220D | **101** | | | 83 | 117 | 09/28/2022 | CAS |



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CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director



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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2209086

Date 9.20.22 Page 1 Of 1

PROJECT ID: 81207449 Task #8
REPORT TO COMPANY: Terracon
PROJECT MANAGER: Kyle Bennett
ADDRESS: 2405 64th Ave W Ste 100 Mountlake Terrace, WA 98043
PHONE: 425-771-3304 P.O. #:
E-MAIL: kyle.bennet@terracon.com
INVOICE TO COMPANY:
ATTENTION: Same as above
ADDRESS:

ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | TYPE | LAB# | NWTPH-HCID | NWTPH-DX | NWTPH-GX | BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐ | MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐ | 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 ☐ Pesticides by EPA 8081 ☐ | Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ | Metals Other (Specify) | TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐ | OTHER (Specify): cVOCs EPA 8260 | headspace, BOD, Anions | total + dissolved metals | g/Kg/Alkalinity, TOC, COD | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. MW-4 | 9.20.22 | 9:50 | Water | 1 | | | | | | | | | | | | | | | X | | | | | |
| 2. MW-5 | | 10:25 | | 2 | | | | | | | | | | | | | | | X | | | | | |
| 3. MW-6 | | 3:05 | | 3 | | | | | | | | | | | | | | | X | | | | | |
| 4. MW-10 | | 2:30 | | 4 | | | | | | | | | | | | | | | X | | | | | |
| 5. MW-11 | | 1:25 | | 5 | | | | | | | | | | | | | | | X | X | X | X | | |
| 6. MW-12 | | 11:00 | | 6 | | | | | | | | | | | | | | | X | | | | | |
| 7. MW-13 | | 12:15 | | 7 | | | | | | | | | | | | | | | X | X | X | X | | |
| 8. MW-14 | | 11:35 | | 8 | | | | | | | | | | | | | | | X | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS Cl, ~~NO2~~ NO2 as N, ~~NO3~~ NO3 as N, Meth, Ethane, Ethene, SO4, Ca, Hardness, ~~Fe~~ Total Fe, ~~Mg~~ Mn

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Sally Vigs, Terracon 9.20.22 3:45pm
   Received By: ALS 9-20-22 3:45
2. Relinquished By:
   Received By:

geochem

everything else

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: NO2, NO3 instead of as 'N'. Mn instead of Mg. Added Task 8. 9/21/22 SM per email from Kyle.

*Turnaround request less than standard may incur Rush Charges

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

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November 23, 2022

Kyle Bennett, Project Manager
Terracon
Pacific Cascade Building
21905 64th Ave. W., Suite 100
Mountlake Terrace, WA 98043

Dear Mr Bennett:

Included is the amended report from the testing of material submitted on August 19, 2022 from the 81207449 Task7, F&BI 208297 project. Per your request, the sample IDs have been updated.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Terracon A/P (TRR), Zach Butters
TRR0831R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

August 31, 2022

Kyle Bennett, Project Manager
Terracon
Pacific Cascade Building
21905 64th Ave. W., Suite 100
Mountlake Terrace, WA 98043

Dear Mr Bennett:

Included are the results from the testing of material submitted on August 19, 2022 from the 81207449 Task7, F&BI 208297 project. There are 9 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Terracon A/P (TRR), Zach Butters
TRR0831R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 19, 2022 by Friedman & Bruya, Inc. from the Terracon 81207449 Task7, F&BI 208297 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Terracon |
|---|---|
| 208297 -01 | BA-1 |
| 208297 -02 | IA-1 |
| 208297 -03 | IA-2 |
| 208297 -04 | VMP-1 |
| 208297 -05 | VMP-3 |

All quality control requirements were acceptable.

## Analysis For Volatile Compounds By Method TO-15

| | | | |
|---|---|---|---|
| Client Sample ID: | BA-1 | Client: | Terracon |
| Date Received: | 08/19/22 | Project: | 81207449 Task7, F&BI 208297 |
| Date Collected: | 08/18/22 | Lab ID: | 208297-01 |
| Date Analyzed: | 08/26/22 | Data File: | 081817.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 4-Bromofluorobenzene | 103 | 70 | 130 |

| Compounds: | Concentration ug/m3 | ppbv |
|---|---|---|
| Vinyl chloride | <0.26 | <0.1 |
| Chloroethane | <2.6 | <1 |
| 1,1-Dichloroethene | <0.4 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 |
| 1,1-Dichloroethane | <0.4 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 |
| Trichloroethene | <0.11 | <0.02 |
| 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Tetrachloroethene | <6.8 | <1 |

## Analysis For Volatile Compounds By Method TO-15

| | | | |
|---|---|---|---|
| Client Sample ID: | IA-1 | Client: | Terracon |
| Date Received: | 08/19/22 | Project: | 81207449 Task7, F&BI 208297 |
| Date Collected: | 08/18/22 | Lab ID: | 208297-02 |
| Date Analyzed: | 08/26/22 | Data File: | 081816.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 4-Bromofluorobenzene | 101 | 70 | 130 |

| Compounds: | Concentration ug/m3 | ppbv |
|---|---|---|
| Vinyl chloride | <0.26 | <0.1 |
| Chloroethane | <2.6 | <1 |
| 1,1-Dichloroethene | <0.4 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 |
| 1,1-Dichloroethane | <0.4 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 |
| Trichloroethene | <0.11 | <0.02 |
| 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Tetrachloroethene | <6.8 | <1 |

## Analysis For Volatile Compounds By Method TO-15

| | | | |
|---|---|---|---|
| Client Sample ID: | IA-2 | Client: | Terracon |
| Date Received: | 08/19/22 | Project: | 81207449 Task7, F&BI 208297 |
| Date Collected: | 08/18/22 | Lab ID: | 208297-03 |
| Date Analyzed: | 08/25/22 | Data File: | 081815.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 4-Bromofluorobenzene | 103 | 70 | 130 |

| Compounds: | Concentration ug/m3 | ppbv |
|---|---|---|
| Vinyl chloride | <0.26 | <0.1 |
| Chloroethane | <2.6 | <1 |
| 1,1-Dichloroethene | <0.4 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 |
| 1,1-Dichloroethane | <0.4 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 |
| Trichloroethene | <0.11 | <0.02 |
| 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Tetrachloroethene | <6.8 | <1 |

## Analysis For Volatile Compounds By Method TO-15

| | | | |
|---|---|---|---|
| Client Sample ID: | VMP-1 | Client: | Terracon |
| Date Received: | 08/19/22 | Project: | 81207449 Task7, F&BI 208297 |
| Date Collected: | 08/18/22 | Lab ID: | 208297-04 1/19 |
| Date Analyzed: | 08/26/22 | Data File: | 081819.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 4-Bromofluorobenzene | 101 | 70 | 130 |

| Compounds: | Concentration ug/m3 | ppbv |
|---|---|---|
| Vinyl chloride | <4.9 | <1.9 |
| Chloroethane | <50 | <19 |
| 1,1-Dichloroethene | <7.5 | <1.9 |
| trans-1,2-Dichloroethene | <7.5 | <1.9 |
| 1,1-Dichloroethane | <7.7 | <1.9 |
| cis-1,2-Dichloroethene | <7.5 | <1.9 |
| 1,2-Dichloroethane (EDC) | <0.77 | <0.19 |
| 1,1,1-Trichloroethane | <10 | <1.9 |
| Trichloroethene | <2 | <0.38 |
| 1,1,2-Trichloroethane | <1 | <0.19 |
| Tetrachloroethene | <130 | <19 |

## Analysis For Volatile Compounds By Method TO-15

| | | | |
|---|---|---|---|
| Client Sample ID: | VMP-3 | Client: | Terracon |
| Date Received: | 08/19/22 | Project: | 81207449 Task7, F&BI 208297 |
| Date Collected: | 08/18/22 | Lab ID: | 208297-05 1/9.3 |
| Date Analyzed: | 08/26/22 | Data File: | 081818.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 4-Bromofluorobenzene | 99 | 70 | 130 |

| Compounds: | Concentration ug/m3 | ppbv |
|---|---|---|
| Vinyl chloride | <2.4 | <0.93 |
| Chloroethane | <25 | <9.3 |
| 1,1-Dichloroethene | <3.7 | <0.93 |
| trans-1,2-Dichloroethene | <3.7 | <0.93 |
| 1,1-Dichloroethane | <3.8 | <0.93 |
| cis-1,2-Dichloroethene | <3.7 | <0.93 |
| 1,2-Dichloroethane (EDC) | <0.38 | <0.093 |
| 1,1,1-Trichloroethane | <5.1 | <0.93 |
| Trichloroethene | 1.1 | 0.21 |
| 1,1,2-Trichloroethane | <0.51 | <0.093 |
| Tetrachloroethene | <63 | <9.3 |

## Analysis For Volatile Compounds By Method TO-15

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Terracon |
| Date Received: | Not Applicable | Project: | 81207449 Task7, F&BI 208297 |
| Date Collected: | Not Applicable | Lab ID: | 02-1948 MB |
| Date Analyzed: | 08/25/22 | Data File: | 081810.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 4-Bromofluorobenzene | 101 | 70 | 130 |

| Compounds: | Concentration ug/m3 | ppbv |
|---|---|---|
| Vinyl chloride | <0.26 | <0.1 |
| Chloroethane | <2.6 | <1 |
| 1,1-Dichloroethene | <0.4 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 |
| 1,1-Dichloroethane | <0.4 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 |
| Trichloroethene | <0.11 | <0.02 |
| 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Tetrachloroethene | <6.8 | <1 |

Date of Report: 08/31/22
Date Received: 08/19/22
Project: 81207449 Task7, F&BI 208297

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 208362-01 1/6.3 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 30) |
|---|---|---|---|---|
| Vinyl chloride | ug/m3 | <1.6 | <1.6 | nm |
| Chloroethane | ug/m3 | <17 | <17 | nm |
| 1,1-Dichloroethene | ug/m3 | <2.5 | <2.5 | nm |
| trans-1,2-Dichloroethene | ug/m3 | <2.5 | <2.5 | nm |
| 1,1-Dichloroethane | ug/m3 | <2.5 | <2.5 | nm |
| cis-1,2-Dichloroethene | ug/m3 | <2.5 | <2.5 | nm |
| 1,2-Dichloroethane (EDC) | ug/m3 | <0.25 | <0.25 | nm |
| 1,1,1-Trichloroethane | ug/m3 | <3.4 | <3.4 | nm |
| Trichloroethene | ug/m3 | <0.68 | <0.68 | nm |
| 1,1,2-Trichloroethane | ug/m3 | <0.34 | <0.34 | nm |
| Tetrachloroethene | ug/m3 | <43 | <43 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Vinyl chloride | ug/m3 | 35 | 98 | 70-130 |
| Chloroethane | ug/m3 | 36 | 100 | 70-130 |
| 1,1-Dichloroethene | ug/m3 | 54 | 101 | 70-130 |
| trans-1,2-Dichloroethene | ug/m3 | 54 | 103 | 70-130 |
| 1,1-Dichloroethane | ug/m3 | 55 | 103 | 70-130 |
| cis-1,2-Dichloroethene | ug/m3 | 54 | 102 | 70-130 |
| 1,2-Dichloroethane (EDC) | ug/m3 | 55 | 99 | 70-130 |
| 1,1,1-Trichloroethane | ug/m3 | 74 | 104 | 70-130 |
| Trichloroethene | ug/m3 | 73 | 105 | 70-130 |
| 1,1,2-Trichloroethane | ug/m3 | 74 | 102 | 70-130 |
| Tetrachloroethene | ug/m3 | 92 | 105 | 70-130 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

# SAMPLE CHAIN OF CUSTODY

8/19/22 — Page # 1 of 1

208297

Report To Kyle Bennett

Company Terracon

Address 21905 64th Ave. W. Ste 100

City, State, ZIP Mountlake Terrace, WA 98043

Phone 425-771-3304 Email Kyle.Bennett@Terracon.com
Zach.Butters@

SAMPLERS (signature) Zachary Butters

PROJECT NAME & ADDRESS 8207449 Task 7 per KB 8/22/22 ME

PO #

NOTES:

INVOICE TO

TURNAROUND TIME
☑ Standard
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Default: Clean following final report delivery
☐ Hold (Fee may apply):

| SAMPLE INFORMATION | | | | | | | | | | ANALYSIS REQUESTED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Name | Lab ID | Canister ID | Flow Cont. ID | Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One) | Date Sampled | Initial Vac. ("Hg) | Field Initial Time | Final Vac. ("Hg) | Field Final Time | TO15 Full Scan | TO15 BTEXN | TO15 cVOCs | APH | Helium | cVOCs | Notes |
| BA-1 | 01 | 18571 | 07850 | [IA] / SG | 8.18.22 | 28 | 827 | 7 | 1627 | | | | | | X | |
| IA-1 | 02 | 40703 | 07847 | [IA] / SG | | 29 | 845 | 7 | 1645 | | | | | | | |
| IA-2 | 03 | 40714 | 07846 | [IA] / SG | | 32 | 837 | 7 | 1637 | | | | | | | |
| VMP SVP-1 | 04 | 8539 | 102 | IA / [SG] | | 30 | 1712 | 6 | 1716 | | | | | | | |
| VMP SVP-2 | 05 | 8345 | 229 | IA / [SG] | | 29 | 1658 | 6 | 1709 | | | | | | | |
| | | | | IA / SG | | | | | | | | | | | | |
| | | | | IA / SG | | | | | | | | | | | | |
| | | | | IA / SG | | | | | | | | | | | | |

per JD 10/27/22 ME

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: Zachary Butters | Zach Butters | Terracon | 8.18.22 | 1830 |
| Received by: W. Madden | W. Madden | F+BI | 8/19/22 | 1125 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 22°C | | |


*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282* NP
*Fax (206) 283-5044*

# APPENDIX E – DISPOSAL DOCUMENTATION

# Dangerous Waste Site Identification Form

**Washington State Department of Ecology**
Hazardous Waste Information
P.O. Box 47658
Olympia, WA 98504-7658
(800) 874-2022

Web site:www.ecology.wa.gov/DWReport

**1. Reason for Submittal**

[ ] To provide **Revised** Site Identification information (complete entire form)
[ ] To **Withdraw** Site Identification Number
Effective Date (mm/dd/yyyy):
[ ]
[✔] To **Reactivate** Site Identification Number (complete entire form)
Received Date (mm/dd/yyyy):
[ ]
[ ] A component of the **Dangerous Waste Annual Report**
Reporting Year: _____

**2. EPA/State ID Number:** WAH000048516

**3. Site Name:** Everett Masonic Corporation | Site Name: View Ridge Plaza

**4. Site Location (physical address, not P.O. Box or route)**

| | | | |
|---|---|---|---|
| Site Address: | 220 Olympic Blvd | Site Address: | 220 Olympic Blvd |
| City/State/Zip: | Everett, WA 98203 | City/State/Zip: | Everett, WA 98203 |
| County: | SNOHOMISH | County: | Snohomish |
| Country: | US | Country: | US |
| District: | NWRO | District: | NWRO |

**5. Site Land Type**

| | | | |
|---|---|---|---|
| Land Type: | Private | Land Type: | [ ] Federal [ ] State [ ] County<br>[ ] Municipal [ ] Other [ ] District<br>[✔] Private [ ] Tribal [ ] Puyallup Trust |

**6. North American Industry Classification System (NAICS)**

| | | | |
|---|---|---|---|
| NAICS: | 813410 | NAICS: | |

**7. Site Mailing Address**

| | | | |
|---|---|---|---|
| Street 1: | 234 Olympic Blvd | Street 1: | 220 Olympic Blvd |
| Street 2: | | Street 2: | |
| City/State/Zip: | Everett, WA 98203 | City/State/Zip: | Everett, WA 98203 |
| Country: | US | Country: | Snohomish |

| 8. Site Contact Person | | | |
|---|---|---|---|
| Name: | Dick Hooper | Name: | Steven Cody |
| Title: | | Title: | |
| Street 1: | 451 SW 10th St Ste 107 | Street 1: | 712 H Street NE |
| Street 2: | | Street 2: | |
| City/State/Zip: | Renton, WA 98057 | City/State/Zip: | Washington, D.C. 20002 |
| Email: | dick@pivotalsolutionsinc.com | Email: | scody@catalystcapital.com |
| Phone: | (425)255-1348 | Phone: | (804) 339-1369 |
| Phone Ext: | | Phone Ext: | |

| 9a. Legal Owner | | | |
|---|---|---|---|
| Owner Type: | Private | Owner Type: | [ ] Federal [ ] State [ ] County<br>[ ] Municipal [ ] Other [ ] District<br>[✔] Private [ ] Tribal [ ] Puyallup Trust |
| Owner Name: | Everett Masonic Corporation | Owner Name: | VAF 309 W Mukilteo Blvd LLC |
| Street 1: | 234 Olympic Blvd | Street 1: | 1554 N Beverly Drive |
| Street 2: | | Street 2: | |
| City/State/Zip: | Everett, WA 98203 | City/State/Zip: | Beverly Hills, CA 90210 |
| Owner Since: | 05/09/2000 | Owner Since: | 02/26/2021 |
| Phone: | (425)255-1348 | Phone: | (804) 339-1369 |
| Email: | | Email: | scody@catalystcapital.com |

| 9b. Land Owner | | | |
|---|---|---|---|
| Owner Type: | Private | Owner Type: | [ ] Federal [ ] State [ ] County<br>[ ] Municipal [ ] Other [ ] District<br>[✔] Private [ ] Tribal [ ] Puyallup Trust |
| Owner Name: | Everett Masonic Corporation | Owner Name: | VAF 309 W Mukilteo Blvd LLC |
| Street 1: | 234 Olympic Blvd | Street 1: | 1554 N Beverly Drive |
| Street 2: | | Street 2: | |
| City/State/Zip: | Everett,WA 98203 | City/State/Zip: | Beverly Hills, CA 90210 |
| Owner Since: | 12/31/2015 | Owner Since: | 02/26/2021 |
| Phone: | (425)255-1348 | Phone: | (804) 339-1369 |
| Email: | | Email: | scody@catalystcapital.com |

| 9c. Site Operator | | | |
|---|---|---|---|
| Operator Type: | Private | Operator Type: | [ ] Federal [ ] State [ ] County<br>[ ] Municipal [ ] Other [ ] District<br>[✔] Private [ ] Tribal [ ] Puyallup Trust |
| Operator Name: | Pivotal Solutions (custodial receiver) | Operator Name: | VAF 309 W Mukilteo Blvd LLC |
| Street 1: | 451 SW 10th St Ste 107 | Street 1: | 1554 N Beverly Drive |
| Street 2: | | Street 2: | |
| City/State/Zip: | Renton,WA 98057 | City/State/Zip: | Beverly Hills, CA 90210 |
| Operator Since: | 05/21/2014 | Operator Since: | 02/26/2021 |
| Phone: | (425)255-1348 | Phone: | (804) 339-1369 |

| Email: | Email: scody@catalystcapital.com |
|---|---|

## 10. Dangerous Waste Activities

10a. Dangerous Waste Activities

| | |
|---|---|
| 1. Generator of Dangerous Waste (State) | 8. Recycler of Dangerous Waste from Off-Site |
| [✔] a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo) | [ ] a. Stores Prior to Recycling |
| [ ] b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo) | [ ] b. Does Not Store Prior to Recycling |
| [ ] c. SQG: Small Quantity Generator (Less than 220 lbs/mo) | 9. Exempt Boiler and/or Industrial Furnace |
| [ ] d. XQG: No Regulated Waste Generated | [ ] a. Small Quantity On-site Burner Exemption |
| 2.Generator of Dangerous Waste (Federal) | [ ] b. Smelting, Melting, Refining Furnace Exemption |
| [✔] a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo) | [ ] 10. Underground Injection Control |
| [ ] b. SQG: Small Quantity Generator (Between 220 - 2,200 lbs/mo) | [ ] 11. Receives Dangerous Waste from Off-site |
| [ ] c. VSQG: Very Small Quantity Generator (Less than 220 lbs/mo) | 12. Recognized Trader |
| [ ] d. NQG: Not a Generator (No Regulated Waste Generated) | [ ] a. Importer |
| 3. Short Term Generator (This question is automatically reported as "no" to U.S. Environmental Protection Agency) | [ ] b. Exporter |
| [ ] 4. United States Importer of Dangerous Waste | 13. Importer/Exporter of SLABs |
| [ ] 5. Mixed Waste (Dangerous and Radioactive) Generator | [ ] a. Importer |
| 6. Transporter of Dangerous Waste | [ ] b. Exporter |
| [ ] a. HW Transporter | |
| [ ] b. HW Transfer Facility | |
| [ ] 7. Designated Facility of Dangerous Waste (TSD) (Requires an Ecology Part A or Part B permit for dangerous waste management). | |

10b. Universal Waste Activities

1. Large Quantity Handler of Universal Waste (Mark all boxes that apply)

[ ] a. Batteries [ ] b. Lamps [ ] c. Mercury containing equipment

[ ] 2. Destination Facility for Universal Waste

10c. Used Oil Activities

| | |
|---|---|
| 1. Off-Specification Used Oil Burner<br>[ ] a. Utility Boiler | 3. Used Oil Transporter |
| [ ] b. Industrial Boiler | [ ] a. Transporter |
| [ ] c. Industrial furnace | [ ] b. Transfer Faciliity |
| 2. Used Oil Processor and / or Re-refiner | 4. Used Oil Fuel Marketer |
| [ ] a. Processor<br>[ ] b. Re-refiner | [ ] a. Directs Shipment of used oil to used oil burner |
| | [ ] b. First claims he used oil meets specification |

10d. Eligible Academic Entities with Laboratories

1. Yes, I am managing dangerous wastes under this rule.

[ ] a. College or University

[ ] b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university.

[ ] c. Non-profit institute that is owned by or has a formal written affiliation agreement with a college or university.

[ ] 2. Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Labratory rule and you no longer wish to participate, select this option.)

10e. State Required Information. The following information is required by Washington State.

1. Washington State Tax Registration Number (UBI number): _____

2. How frequently do you generate dangerous waste?

[ ] a. Monthly [ ] b. Batch [ ] c. Spill Event [✔] d. Clean-up

[ ] 3. Generator of Special Waste (Regulated under WAC 173-303-073)

[ ] 4. Recycler of On-Site Waste (i.e. on-site use, reuse, or reclamation of a waste after it was generated)

[ ] 5. Permit-by-Rule (PBR)

[ ] 6. Treatment by Generator (TBG)

[ ] 7. Transport Your Own Waste

8. Dangerous Waste Fuel Activity

[ ] a. Generator of dangerous waste fuel

[ ] b. Generator marketing to burner

[ ] c. Other marketers (i.e. blender, distributer, etc...)

d. Burner (indicate type of combustion unit)

[ ] 1. Utility Boiler [ ] 2. Industrial Boiler [ ] 3. Industrial Furnace

| 11. Federal Waste Codes (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc.) | | | | | |
|---|---|---|---|---|---|
| F002 | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 12. State Waste Codes (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc.) | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| 13. Episodic Waste Generation |
|---|
| [ ] Complete the Episodic Event Waste Generation Addention Form |

| 14. LQG Consolidation of SQG Generator Waste |
|---|
| [ ] Complete the LQG Consolidation of SQG Generator Waste Addendum Form |

| 15. LQG Site Closure of a Central Accumulation Area (CAA) or Entire Facility | |
|---|---|
| [ ] LQG Site Closure of a Central Accumulation Area (CAA) or Entire Facility | |
| | A. [ ] Central Accumulation Area (CAA) or [ ] Entire Facility |
| | B. Expected closure date: _____ |
| | C. Requesting new closure date: _____ |
| | D. Date closed: _____ |
| | [ ] 1. In compliance with the closure performance standards 40 CFR 262.17(a)(8)<br>[ ] 2. Not in compliance with the closure performance standards 40 CFR 262.17(a)(8) |

| 16. Hazardous Secondary Material (HSM) Activity |
|---|
| [ ] Complete the Hazarouds Secondary Material (HSM) Addendum Form |

| 17. Manifest Broker |
|---|
| [ ] Are you a Manifest Broker? |

| 18. Pharmaceutical Activities |
|---|
| If you manage dangerous waste under the Pharmaceutical Requirements, indicate the facility type in question a. If these requirements no longer apply, check the box in question b to withdraw. |
| a. I am managing dangerous wastes under the requirements as a: |
| [ ] Health care facility |
| [ ] Reverse distributor |
| [ ] b. I wish to withdraw from the requirements |
| **Note:** If you are a Reverse Distributor, you may only withdraw from these requirements if you are also withdrawing your EPA/State Id. |

| 19. Comments |
| --- |
| |

| 20. Certification - This form cannot be processed without a wet ink signature | | | | | |
| --- | --- | --- | --- | --- | --- |
| I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | | | | | |
| Signature: | _____ | | | | |
| Title: | _____ | First Name: | _____ | Last Name: | _____ |
| Email: | _____ | | Certification Date: | _____ | |

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4836771**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/12/21 6:58 am 6/12/21 7:15 am

5227 TOLU468379

Contract:MC-19301

DTTX454109

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,660 | NET TONS | 26.34 | | INBOUND |
| Scale Out | TARE WEIGHT | 49,980 | NET WEIGHT | 52,680 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.34 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4836788**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/12/21 7:27 am 6/12/21 7:43 am

2234 GCEU430885

Contract:MC-19301

DTTX454109

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 92,400 | NET TONS | 23.16 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,080 | NET WEIGHT | 46,320 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.16 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837015**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/16/21 6:44 am 6/16/21 7:04 am

0329 TOLU422275

Contract:MC-19301

BNSF230093

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 94,860 | NET TONS | 23.16 | | INBOUND |
| Scale Out | TARE WEIGHT | 48,540 | NET WEIGHT | 46,320 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.16 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837022**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/16/21 6:58 am 6/16/21 7:16 am

5222 GCEU431305

Contract:MC-19301

BNSF230093

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 93,360 | NET TONS | 23.51 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,340 | NET WEIGHT | 47,020 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.51 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837027**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/16/21 7:03 am 6/16/21 7:22 am

2235 TPHU252352

Contract:MC-19301

BNSF231063

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,160 | NET TONS | 25.68 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,800 | NET WEIGHT | 51,360 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.68 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837044**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/16/21 7:33 am 6/16/21 7:52 am

0329 TOLU455160

Contract:MC-19301

BNSF231063

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,180 | NET TONS | 24.56 | | INBOUND |
| Scale Out | TARE WEIGHT | 50,060 | NET WEIGHT | 49,120 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.56 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837048**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/16/21 7:35 am 6/16/21 7:55 am

5223 TRLU901987

Contract:MC-19301

BNSF231100

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 98,800 | NET TONS | 26.07 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,660 | NET WEIGHT | 52,140 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.07 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837054**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/16/21 7:48 am 6/16/21 8:07 am

5222 TOLU456493

Contract:MC-19301

BNSF231100

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 97,120 | NET TONS | 25.13 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,860 | NET WEIGHT | 50,260 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.13 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837068**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/16/21 3:44 pm 6/16/21 4:02 pm

5223 TRLU900884

Contract:MC-19301

DTTX456604

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 104,780 | NET TONS | 27.70 | | INBOUND |
| Scale Out | TARE WEIGHT | 49,380 | NET WEIGHT | 55,400 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.70 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837074**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 6:46 am 6/17/21 7:05 am

5223 TOLU466714

Contract:MC-19301

BNSF230004

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,340 | NET TONS | 25.61 | | INBOUND |
| Scale Out | TARE WEIGHT | 48,120 | NET WEIGHT | 51,220 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.61 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837075**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 6:56 am 6/17/21 7:14 am

5222 GCEU425061

Contract:MC-19301

BNSF231039

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 105,940 | NET TONS | 30.49 | | INBOUND |
| Scale Out | TARE WEIGHT | 44,960 | NET WEIGHT | 60,980 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 30.49 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837076**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 6:58 am 6/17/21 7:19 am

5227 GCEU420249

Contract:MC-19301

BNSF230004

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 93,400 | NET TONS | 23.29 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,820 | NET WEIGHT | 46,580 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.29 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837077**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 7:02 am 6/17/21 7:26 am

0330 GCEU445039

Contract:MC-19301

BNSF231039

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 96,260 | NET TONS | 24.43 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,400 | NET WEIGHT | 48,860 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.43 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837080**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 7:29 am 6/17/21 7:50 am

0329 GCEU425111

Contract:MC-19301

BNSF231039

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 100,400 | NET TONS | 25.88 | | INBOUND |
| Scale Out | TARE WEIGHT | 48,640 | NET WEIGHT | 51,760 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.88 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837081**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 7:40 am 6/17/21 8:00 am

0331 TOLU467744

Contract:MC-19301

BNSF231039

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 98,480 | NET TONS | 25.95 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,580 | NET WEIGHT | 51,900 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.95 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837141**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 3:21 pm 6/17/21 3:40 pm

2234 TOLU466664

Contract:MC-19301

DTTX27265

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 100,720 | NET TONS | 26.51 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,700 | NET WEIGHT | 53,020 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.51 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837140**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 3:22 pm 6/17/21 3:39 pm

0330 TOLU457711

Contract:MC-19301

DTTX456604

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 92,460 | NET TONS | 23.12 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,220 | NET WEIGHT | 46,240 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.12 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837142**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 3:27 pm 6/17/21 3:42 pm

1454 GCEU425860

Contract:MC-19301

DTTX27265

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 98,620 | NET TONS | 26.25 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,120 | NET WEIGHT | 52,500 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.25 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837143**

Charity H.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/17/21 3:27 pm 6/17/21 3:42 pm

0329 GCEU435291

Contract:MC-19301

DTTX27265

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,520 | NET TONS | 26.32 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,880 | NET WEIGHT | 52,640 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.32 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837159**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 11:41 am 6/18/21 11:57 am

7329 TOLU466674

Contract:MC-19301

BNSF230098

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 94,560 | NET TONS | 23.99 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,580 | NET WEIGHT | 47,980 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.99 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837167**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 11:53 am 6/18/21 12:09 pm

5227 GCEU425410

Contract:MC-19301

BNSF230098

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 98,440 | NET TONS | 25.30 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,840 | NET WEIGHT | 50,600 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.30 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837172**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 11:57 am 6/18/21 12:15 pm

5222 GCEU430566

Contract:MC-19301

DTTX27265

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,640 | NET TONS | 26.32 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,000 | NET WEIGHT | 52,640 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.32 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837179**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 12:08 pm 6/18/21 12:29 pm
1565 RBSU200238

Contract:MC-19301

BNSF231062

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,960 | NET TONS | 26.35 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,260 | NET WEIGHT | 52,700 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.35 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837181**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 12:17 pm 6/18/21 12:33 pm
0330 GCEU435123

Contract:MC-19301

BNSF231062

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 98,920 | NET TONS | 26.10 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,720 | NET WEIGHT | 52,200 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.10 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837183**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 12:23 pm 6/18/21 12:40 pm

1454 GCEU431125

Contract:MC-19301

BNSF230129

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 98,280 | NET TONS | 26.05 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,180 | NET WEIGHT | 52,100 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.05 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837189**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 12:28 pm 6/18/21 12:44 pm

7329 GCEU426701

Contract:MC-19301

BNSF230129

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 97,740 | NET TONS | 25.81 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,120 | NET WEIGHT | 51,620 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.81 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837191**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 12:30 pm 6/18/21 12:48 pm

5223 TOLU467734

Contract:MC-19301

BNSF230129

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 96,780 | NET TONS | 25.16 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,460 | NET WEIGHT | 50,320 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.16 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837192**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 12:37 pm 6/18/21 12:52 pm

5833 TOLU456277

Contract:MC-19301

BNSF230129

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 100,040 | NET TONS | 26.79 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,460 | NET WEIGHT | 53,580 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.79 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837199**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 12:49 pm 6/18/21 1:05 pm

5222 GCEU426831

Contract:MC-19301

BNSF230120

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,540 | NET TONS | 26.24 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,060 | NET WEIGHT | 52,480 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.24 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837205**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 12:56 pm 6/18/21 1:15 pm

0331 TOLU459498

Contract:MC-19301

BNSF230120

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,620 | NET TONS | 27.55 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,520 | NET WEIGHT | 55,100 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.55 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837208**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 1:04 pm 6/18/21 1:20 pm

0330 GCEU435067

Contract:MC-19301

BNSF231192

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,060 | NET TONS | 27.20 | | | INBOUND |
| Scale Out | TARE WEIGHT | 47,660 | NET WEIGHT | 54,400 | | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.20 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837211**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 1:11 pm 6/18/21 1:30 pm

1454 GCEU430450

Contract:MC-19301

BNSF231192

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 98,240 | NET TONS | 25.42 | | | INBOUND |
| Scale Out | TARE WEIGHT | 47,400 | NET WEIGHT | 50,840 | | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.42 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837216**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 1:19 pm 6/18/21 1:38 pm

7329 TRLU900755

Contract:MC-19301

DTTX427026

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 98,020 | NET TONS | 26.28 | | INBOUND |
| Scale Out | TARE WEIGHT | 45,460 | NET WEIGHT | 52,560 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.28 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837217**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 1:19 pm 6/18/21 1:38 pm

5223 GCEU425038

Contract:MC-19301

DTTX427026

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 101,460 | NET TONS | 26.75 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,960 | NET WEIGHT | 53,500 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.75 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837223**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 1:31 pm 6/18/21 1:47 pm

5227 TOLU442464

Contract:MC-19301

BNSF203011

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,360 | NET TONS | 27.75 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,860 | NET WEIGHT | 55,500 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.75 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837230**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/18/21 1:37 pm 6/18/21 1:57 pm

5222 GCEU425789

Contract:MC-19301

BNSF203011

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,440 | NET TONS | 26.50 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,440 | NET WEIGHT | 53,000 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.50 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837456**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/21/21 12:37 pm 6/21/21 12:54 pm

5227 GCEU435407

Contract:MC-19301

BNSF231179

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,520 | NET TONS | 26.27 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,980 | NET WEIGHT | 52,540 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.27 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837457**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/21/21 12:47 pm 6/21/21 1:08 pm

5223 TOLU466842

Contract:MC-19301

DTTX471695

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,920 | NET TONS | 27.81 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,300 | NET WEIGHT | 55,620 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.81 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837458**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/21/21 1:02 pm 6/21/21 1:20 pm

5222 TOLU424031

Contract:MC-19301

BNSF231003

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 92,960 | NET TONS | 22.95 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,060 | NET WEIGHT | 45,900 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 22.95 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837459**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/21/21 1:25 pm 6/21/21 1:41 pm

5227 GCEU430259

Contract:MC-19301

DTTX471695

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 103,060 | NET TONS | 27.83 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,400 | NET WEIGHT | 55,660 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.83 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837460**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/21/21 1:41 pm 6/21/21 2:02 pm

5223 GCEU426328

Contract:MC-19301

BNSF231003

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,480 | NET TONS | 27.41 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,660 | NET WEIGHT | 54,820 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.41 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837529**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/22/21 1:51 pm 6/22/21 2:17 pm

0331 RBSU200158

Contract:MC-19301

BNSF231108

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 76,420 | NET TONS | 13.17 | | INBOUND |
| Scale Out | TARE WEIGHT | 50,080 | NET WEIGHT | 26,340 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 13.17 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837532**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/22/21 2:04 pm 6/22/21 2:22 pm

1454 TOLU458817

Contract:MC-19301

BNSF231108

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 96,200 | NET TONS | 24.77 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,660 | NET WEIGHT | 49,540 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.77 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837749**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/25/21 11:37 am 6/25/21 11:52 am

0330 GCEU425043

Contract:MC-19301

BNSF231163

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 94,740 | NET TONS | 23.55 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,640 | NET WEIGHT | 47,100 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.55 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837753**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/25/21 11:38 am 6/25/21 11:56 am

7750 GCEU435186

Contract:MC-19301

BNSF231163

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 95,500 | NET TONS | 24.45 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,600 | NET WEIGHT | 48,900 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.45 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837926**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/28/21 11:13 am 6/28/21 11:27 am

2234 TOLU468313

Contract:MC-19301

DTTX54663

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,140 | NET TONS | 26.34 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,460 | NET WEIGHT | 52,680 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.34 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837951**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/28/21 11:56 am 6/28/21 12:13 pm

2234 GCEU425293

Contract:MC-19301

DTTX54663

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,540 | NET TONS | 26.47 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,600 | NET WEIGHT | 52,940 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.47 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4837966**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/28/21 12:52 pm 6/28/21 1:09 pm

2234 GCEU425209

Contract:MC-19301

DTTX54154

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 96,580 | NET TONS | 25.02 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,540 | NET WEIGHT | 50,040 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.02 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838046**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 12:03 pm 6/29/21 12:20 pm

1454 TOLU457148

Contract:MC-19301

BNSF231194

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 94,040 | NET TONS | 23.72 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,600 | NET WEIGHT | 47,440 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.72 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838052**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 12:25 pm 6/29/21 12:56 pm

0331 EGTU420027

Contract:MC-19301

BNSF231194

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 97,440 | NET TONS | 24.34 | | INBOUND |
| Scale Out | TARE WEIGHT | 48,760 | NET WEIGHT | 48,680 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.34 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838054**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 12:44 pm 6/29/21 1:00 pm

2234 GCEU445001

Contract:MC-19301

DTTX56095

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 100,120 | NET TONS | 26.10 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,920 | NET WEIGHT | 52,200 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.10 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838056**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 12:45 pm 6/29/21 1:04 pm

3450 TRLU900310

Contract:MC-19301

DTTX56095

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 94,900 | NET TONS | 24.75 | | INBOUND |
| Scale Out | TARE WEIGHT | 45,400 | NET WEIGHT | 49,500 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.75 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838055**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 12:46 pm 6/29/21 1:03 pm

0329 TOLU456780

Contract:MC-19301

DTTX646317

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 103,060 | NET TONS | 27.01 | | INBOUND |
| Scale Out | TARE WEIGHT | 49,040 | NET WEIGHT | 54,020 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.01 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838058**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 1:06 pm 6/29/21 1:27 pm

5227 GCEU426509

Contract:MC-19301

DTTX427573

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,680 | NET TONS | 26.77 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,140 | NET WEIGHT | 53,540 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.77 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838060**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 1:28 pm 6/29/21 1:47 pm

0330 TRLU901925

Contract:MC-19301

DTTX427573

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,260 | NET TONS | 26.06 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,140 | NET WEIGHT | 52,120 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.06 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838063**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 1:30 pm 6/29/21 1:51 pm

0331 GCEU430688

Contract:MC-19301

DTTX427573

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 90,220 | NET TONS | 21.13 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,960 | NET WEIGHT | 42,260 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 21.13 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838064**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 1:32 pm 6/29/21 1:51 pm

5222 GCEU425817

Contract:MC-19301

DTTX427573

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,400 | NET TONS | 27.81 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,780 | NET WEIGHT | 55,620 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.81 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838061**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 1:32 pm 6/29/21 1:49 pm

2234 TOLU425167

Contract:MC-19301

DTTX427573

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 100,280 | NET TONS | 27.52 | | INBOUND |
| Scale Out | TARE WEIGHT | 45,240 | NET WEIGHT | 55,040 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.52 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838062**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 1:33 pm 6/29/21 1:49 pm

0329 GCEU435010

Contract:MC-19301

DTTX454109

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 94,180 | NET TONS | 24.09 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,000 | NET WEIGHT | 48,180 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.09 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838065**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 1:40 pm 6/29/21 1:58 pm

3450 TRLU900446

Contract:MC-19301

DTTX454109

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 89,680 | NET TONS | 22.34 | | INBOUND |
| Scale Out | TARE WEIGHT | 45,000 | NET WEIGHT | 44,680 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 22.34 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838066**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 1:44 pm 6/29/21 2:01 pm

5833 GCEU431027

Contract:MC-19301

DTTX620616

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 89,860 | NET TONS | 22.04 | | INBOUND |
| Scale Out | TARE WEIGHT | 45,780 | NET WEIGHT | 44,080 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 22.04 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838074**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 2:19 pm 6/29/21 2:36 pm

2234 TOLU466742

Contract:MC-19301

DTTX620616

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 93,400 | NET TONS | 22.85 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,700 | NET WEIGHT | 45,700 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 22.85 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838080**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 2:25 pm 6/29/21 2:50 pm

0330 UPCU411583

Contract:MC-19301

DTTX620616

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 88,920 | NET TONS | 20.76 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,400 | NET WEIGHT | 41,520 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 20.76 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838078**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 2:29 pm 6/29/21 2:49 pm

0331 GCEU430357

Contract:MC-19301

BNSF231163

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 91,640 | NET TONS | 22.62 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,400 | NET WEIGHT | 45,240 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 22.62 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838077**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 2:31 pm 6/29/21 2:48 pm

3450 GCEU435072

Contract:MC-19301

BNSF231163

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 86,880 | NET TONS | 20.35 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,180 | NET WEIGHT | 40,700 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 20.35 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838083**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 2:37 pm 6/29/21 3:00 pm

5833 TOLU424377

Contract:MC-19301

BNSF231163

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 95,560 | NET TONS | 23.11 | | INBOUND |
| Scale Out | TARE WEIGHT | 49,340 | NET WEIGHT | 46,220 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.11 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838081**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

6/29/21 2:39 pm 6/29/21 2:57 pm

1454 TOLU459032

Contract:MC-19301

BNSF231163

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 95,520 | NET TONS | 23.46 | | INBOUND |
| Scale Out | TARE WEIGHT | 48,600 | NET WEIGHT | 46,920 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.46 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838169**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/2/21 6:06 am 7/2/21 6:21 am

2234 GCEU426253

Contract:MC-19301

DTTX620322

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 104,980 | NET TONS | 29.09 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,800 | NET WEIGHT | 58,180 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 29.09 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838183**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/2/21 6:27 am 7/2/21 6:49 am

1565 TRLU902611

Contract:MC-19301

DTTX620322

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 98,180 | NET TONS | 25.66 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,860 | NET WEIGHT | 51,320 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.66 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838191**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/2/21 6:48 am 7/2/21 7:01 am

5227 GCEU432127

Contract:MC-19301

DTTX620322

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 103,440 | NET TONS | 28.39 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,660 | NET WEIGHT | 56,780 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 28.39 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838192**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/2/21 6:49 am 7/2/21 7:02 am

2234 GCEU420227

Contract:MC-19301

DTTX620322

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 100,040 | NET TONS | 26.26 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,520 | NET WEIGHT | 52,520 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.26 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838207**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/2/21 11:48 am 7/2/21 12:02 pm

2234 TOLU474109

Contract:MC-19301

BNSF230117

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 88,200 | NET TONS | 20.64 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,920 | NET WEIGHT | 41,280 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 20.64 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838217**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/2/21 12:32 pm 7/2/21 12:47 pm

2234 TOLU454022

Contract:MC-19301

BNSF230117

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 93,380 | NET TONS | 23.77 | | INBOUND |
| Scale Out | TARE WEIGHT | 45,840 | NET WEIGHT | 47,540 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 23.77 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838251**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/2/21 3:17 pm 7/2/21 3:30 pm

2234 TRLU900489

Contract:MC-19301

BNSF230083

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 97,940 | NET TONS | 25.90 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,140 | NET WEIGHT | 51,800 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.90 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838254**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/2/21 3:59 pm 7/2/21 4:16 pm

2234 TOLU468379

Contract:MC-19301

BNSF230083

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,120 | NET TONS | 25.12 | | INBOUND |
| Scale Out | TARE WEIGHT | 48,880 | NET WEIGHT | 50,240 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 25.12 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838340**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/3/21 1:05 pm 7/3/21 1:23 pm

5227 GCEU435263

Contract:MC-19301

BNSF231161

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,960 | NET TONS | 27.78 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,400 | NET WEIGHT | 55,560 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.78 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838341**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/3/21 1:34 pm 7/3/21 1:52 pm

2234 TOLU422268

Contract:MC-19301

BNSF231161

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,080 | NET TONS | 26.11 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,860 | NET WEIGHT | 52,220 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.11 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838347**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/3/21 2:16 pm 7/3/21 2:35 pm

1565 TOLU458271

Contract:MC-19301

BNSF231161

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,000 | NET TONS | 26.74 | | INBOUND |
| Scale Out | TARE WEIGHT | 45,520 | NET WEIGHT | 53,480 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.74 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838368**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/3/21 3:07 pm 7/3/21 3:22 pm

2234 GCEU435175

Contract:MC-19301

BNSF230093

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 99,660 | NET TONS | 27.02 | | INBOUND |
| Scale Out | TARE WEIGHT | 45,620 | NET WEIGHT | 54,040 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.02 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838381**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/5/21 6:32 am 7/5/21 6:55 am

5223 TOLU453223

Contract:MC-19301

BNSF231137

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,080 | NET TONS | 27.66 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,760 | NET WEIGHT | 55,320 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.66 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838383**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/5/21 6:59 am 7/5/21 7:17 am

0329 TOLU456493

Contract:MC-19301

BNSF231059

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 96,080 | NET TONS | 24.35 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,380 | NET WEIGHT | 48,700 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.35 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838390**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/5/21 7:30 am 7/5/21 7:50 am

5223 GCEU435072

Contract:MC-19301

BNSF230098

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 101,360 | NET TONS | 26.94 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,480 | NET WEIGHT | 53,880 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.94 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838434**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/6/21 6:29 am 7/6/21 6:50 am

5223 GCEU435114

Contract:MC-19301

BNSF231193

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,740 | NET TONS | 26.68 | | INBOUND |
| Scale Out | TARE WEIGHT | 49,380 | NET WEIGHT | 53,360 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.68 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838436**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/6/21 6:52 am 7/6/21 7:09 am

2234 GCEU445045

Contract:MC-19301

BNSF231193

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 95,280 | NET TONS | 24.39 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,500 | NET WEIGHT | 48,780 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.39 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838440**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/6/21 9:24 am 7/6/21 9:40 am

5227 TPHU252352

Contract:MC-19301

BNSF231166

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 102,680 | NET TONS | 27.52 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,640 | NET WEIGHT | 55,040 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.52 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838506**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/6/21 1:44 pm 7/6/21 2:02 pm

5223 GCEU425935

Contract:MC-19301

DTTX620686

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 96,040 | NET TONS | 24.78 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,480 | NET WEIGHT | 49,560 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 24.78 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838585**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/7/21 11:15 am 7/7/21 11:33 am

2234 TRLU900477

Contract:MC-19301

BNSF230120

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 106,080 | NET TONS | 29.20 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,680 | NET WEIGHT | 58,400 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 29.20 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838592**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/7/21 11:24 am 7/7/21 11:46 am

0329 GCEU445039

Contract:MC-19301

BNSF230120

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 105,500 | NET TONS | 29.20 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,100 | NET WEIGHT | 58,400 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 29.20 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838593**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/7/21 11:28 am 7/7/21 11:47 am

5833 TOLU453454

Contract:MC-19301

BNSF231166

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 107,820 | NET TONS | 30.69 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,440 | NET WEIGHT | 61,380 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 30.69 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838606**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/7/21 12:07 pm 7/7/21 12:25 pm

2234 TOLU466742

Contract:MC-19301

DTTX427927

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 100,460 | NET TONS | 26.34 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,780 | NET WEIGHT | 52,680 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 26.34 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838696**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/7/21 3:36 pm 7/7/21 3:51 pm

0330 GCEU435343

Contract:MC-19301

BNSF231119

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 110,580 | NET TONS | 31.76 | | INBOUND |
| Scale Out | TARE WEIGHT | 47,060 | NET WEIGHT | 63,520 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 31.76 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838777**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/8/21 8:31 am 7/8/21 8:48 am

1454 TOLU440437

Contract:MC-19301

DTTX54663

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 103,220 | NET TONS | 27.30 | | INBOUND |
| Scale Out | TARE WEIGHT | 48,620 | NET WEIGHT | 54,600 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 27.30 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4838860**

Denise B.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/10/21 7:09 am 7/10/21 7:33 am

0329 TOLU456531

Contract:MC-19301

BNSF230108

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 103,000 | NET TONS | 28.39 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,220 | NET WEIGHT | 56,780 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 28.39 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:
CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4839179**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/14/21 6:08 am 7/14/21 6:53 am

3450 GCEU425658

Contract:MC-19301

DTTX620758

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 103,720 | NET TONS | 29.10 | | INBOUND |
| Scale Out | TARE WEIGHT | 45,520 | NET WEIGHT | 58,200 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 29.10 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4839176**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/14/21 6:15 am 7/14/21 6:49 am

5223 GCEU431796

Contract:MC-19301

DTTX620616

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 93,420 | NET TONS | 22.66 | | INBOUND |
| Scale Out | TARE WEIGHT | 48,100 | NET WEIGHT | 45,320 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 22.66 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

**Everett Incl. Snohomish County --**
**WA ROOSEVELT , WA**

2A **4839171**

Tiffany O.

014755 - Clearcreek Contractors Inc.
3203 15th St
Everett, WA 98201

7/14/21 6:24 am 7/14/21 6:44 am

5833 GCEU432102

Contract:MC-19301

DTTX620616

| | | | | | | |
|---|---|---|---|---|---|---|
| Scale In | GROSS WEIGHT | 104,460 | NET TONS | 28.86 | | INBOUND |
| Scale Out | TARE WEIGHT | 46,740 | NET WEIGHT | 57,720 | | INVOICE |

| | | | |
|---|---|---|---|
| 28.00 | YD | Tracking QTY | |
| 28.86 | tn | Contained in Contaminated Soil | Origin:Snohomish 100% |
| 0.00 | | Tracking QTY | |
| 1.00 | | LINER | |

CHANGE:

CHECK :

# APPENDIX F – CONTAINED-IN DETERMINATION DOCUMENTATION

April 28, 2021

Attn: Mr. Paul Bianco
Washington Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008

Re: **Contained-In Determination Request**
View Ridge Plaza Property
220 Olympic Boulevard
Everett, Washington 98203
Facility/Site ID: 20079
Cleanup Site ID: 12644
VCP Project No.: NW3244
EPA/State ID: WAH000048516

Dear Mr. Bianco:

Terracon Consultants, Inc. (Terracon) has prepared this letter on behalf of VAF 309 W Mukilteo Boulevard, LLC., c/o Catalyst Capital Holdings, LLC., to request a Contained-In Determination (CID) for disposal of soil that will be generated during excavation for the planned redevelopment of the property at 220 Olympic Boulevard, Everett, Washington, Snohomish County Parcel No. 00606200004102 (herein referred to as the Property). Specifically, the soil subject to this CID request is for specific F002 listed chlorinated volatile organic compounds (cVOCs) contaminated soil to be excavated during cleanup remedial actions at the Property. A Property diagram is attached as Exhibit 1 of Appendix A.

The Property was previously occupied with various commercial retail businesses, including a dry cleaner. The View Ridge Plaza building, where the dry cleaner was located, is currently being demolished as a part of Property redevelopment. The former dry cleaner operated on the western portion of the Site in the southwest portion of the former on-Property building, from 1960 to 2014. Anecdotal information suggested a spill of tetrachloroethylene (PCE), commonly used as a dry-cleaning fluid, reportedly occurred at the dry cleaner around 1978 and is the assumed PCE source. The documented areas of impacts relative to Property features are depicted on Exhibit 2 through Exhibit 4 of Appendix A.

Based on the investigations conducted at the Property, PCE-related impacts associated with the historical dry-cleaning operations have been identified in soil and groundwater in the western portion of the Property. Multiple cVOCs were detected in the soil and groundwater at concentrations above the Washington State Model Toxics Control Act

(MTCA) Method A and/or Method B Cleanup Levels (CULs); specifically, PCE and various PCE breakdown products, such as trichloroethylene (TCE), cis-1,2-dicholorethylene (cDCE), trans-1,2-dicholorethylene (tDCE), vinyl chloride (VC), and 1,1-dichloroethylene (1,1-DCE) identified as the Constituents of Concern (COCs). In general, PCE-related impacts have been identified within the immediate vicinity of the former dry-cleaner tenant space at depths ranging from approximately 0 to 22½ feet below ground surface (bgs). The estimated area with detectable concentrations of cVOCs are shown on Exhibit 2 through Exhibit 6 of Appendix A.

For the soils subject to this CID request, the highest detected soil sample concentrations of PCE, TCE, cDCE, tDCE, VC and 1,1-DCE were 4.8 mg/kg, 3.3 mg/kg, 84 mg/kg, 2.3 mg/kg, 3.9 mg/kg, and 0.14 mg/kg, respectively. These F002 listed PCE-impacted soils do not designate under federal characteristics (WAC 173-303-090) or State-only criteria (WAC 173-303-100, and meet 40 CFR 268.48 standards.

The analytical results of discrete soil sampling from numerous borings conducted during the remedial investigation and pre-remedial action soil profiling have been used to define areal extent of PCE-impacted soil and soil characterization for off-Property disposal. Soil samples were collected using the U.S. Environmental Protection Agency (EPA) Method 5035 and analyzed for Halogenated Volatile Organic Compounds (HVOCs) by EPA Method 8260C. A summary of contained-in soil analytical results is included as Table 1, and a cumulative summary of soil analytical results is included as Table 2 of Appendix B. The completed laboratory analytical reports are provided as Appendix C.

The planned Property redevelopment includes construction of an approximate 22,000-square foot, slab on-grade, multi-story, commercial building. The soils generated as a part of the planned earthwork for the remedial action will be completed in a phased approach, such that the remedial excavation of soil to be managed and disposed as F002 dangerous waste per Washington Administrative Code (WAC) Chapter 173-303 is completed first followed by the remedial excavation of soil to be managed under a CID and disposed at an Ecology-approved Subtitle D Landfill.

Based on the environmental investigations completed to date, Terracon estimates approximately 3,700 loose cubic yards (approximately 6,300 tons) of total PCE-impacted soil that will be excavated and disposed of off-Property.

Terracon estimates approximately 610 loose cubic yards (approximately 1,040 tons) of the total PCE-impacted soil, is PCE-impacted dangerous waste soil that will be excavated, managed, and disposed as F002 dangerous waste per WAC Chapter 173-303 and is not included as a part of this CID request. These soils will be excavated from the area presented on Exhibit 2 through Exhibit 4 of Appendix A as the Excavation of Dangerous Waste Soil, identified by the orange shaded area.

Following the excavation of dangerous waste soil and collection of confirmation soil samples, the remaining of the total PCE-impacted soil subject to this CID request will be excavated for off-Property disposal. These F002 listed PCE-impacted soils do not designate under federal characteristics (WAC 173-303-090) or State-only criteria (WAC 173-303-100, and meet 40 CFR 268.48 standards. A Summary of Contained-In Soil Analytical Results and Waste Designation calculations are presented on Table 1 and Table 3 of Appendix B, respectively. Based on the areal extent of soil that meets both federal and State Contained-In criteria, Terracon has estimated that approximately 3,100 loose cubic yards (approximately 5,250 tons) of the total PCE-impacted soil, is soil to be excavated and managed under a CID for disposal at an approved Subtitle D Landfill. These soils will be excavated from the area presented on Exhibit 2 through Exhibit 4 of Appendix A as the Excavation of Contained-In Soil, identified by the green shaded area.

Terracon respectfully requests that Ecology issue a CID for the estimated 3,100 loose cubic yards (approximately 5,250 tons) of soil with detectable concentrations of cVOCs that meet the CID criteria, as described above, that will be generated during the planned redevelopment of the Property and concurrence that the soil may be disposed of as non-hazardous waste. The following specific Site information is provided below to facilitate the CID by Ecology:

**Property Address**
220 Olympic Boulevard, Everett, WA 98203

**Property Owner**
VAF 309 W Mukilteo Boulevard, LLC., c/o Catalyst Capital Holdings, LLC.
Mr. Mike Cocco (mcocco@catalystcap.com)
6 Crescent Road, Florham Park, NJ 07932

**Environmental Consultant**
Terracon Consultants, Inc.
Kyle Bennett (kyle.bennett@terracon.com)
21905 64th Avenue West, Suite 100, Mountlake Terrace, WA 98043

**Ecology Site Manager**
Washington Department of Ecology
Chris Maurer (christopher.maurer@ecy.wa.gov)
PO Box 47600, Olympia, WA 98504

**State Identification Numbers**
Facility/Site ID: 20079
Cleanup Site ID: 12644

VCP Project No.: NW3244
EPA/State ID: WAH000048516

**Type of Cleanup Action**

The soils generated as a part of the planned earthwork for the remedial action will be completed under the Ecology Voluntary Cleanup Program and in accordance with MTCA.

**Schedule**

Excavation and off-Property disposal of Contained-In soil will begin May 10, 2021, through June 11, 2021.

**Source**

Suspected releases related to historical on-Property dry cleaner operations at the former View Ridge Plaza building. PCE is a common dry-cleaning solvent used extensively in dry cleaning operations.

**Media, Volume, and Waste Code**

Soil with concentrations of PCE and PCE-related cVOCs that meet the Contained-In criteria and do not designate under federal characteristics or State-only criteria will be disposed of at an Ecology-approved Subtitle D Landfill. Approximately 3,100 loose cubic yards (approximately 5,250 tons) of soil will require disposal under the CID. If the CID for the soil is approved by Ecology, the waste will be considered non-hazardous and dangerous waste codes will not apply. Volumetric estimates are provided on Table A and Table B of Appendix B.

**Management and Disposal of Contained-In Soil**

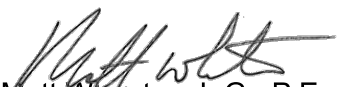
Contained-In soil will be loaded into lined trucks and/or containers for transport. The CID soil will be disposed of off-Property at an Ecology-approved Subtitle D Landfill to be selected by VAF 309 W Mukilteo Boulevard, LLC., c/o Catalyst Capital Holdings, LLC., in either Washington or Oregon.

Should you have any questions or require additional information, please do not hesitate to contact our office, as needed.

Sincerely,
**Terracon Consultants, Inc.**



Kyle Bennett, G.I.T.
Staff Geologist



Matt Wheaton, L.G., P.E.
Senior Principal

# APPENDICES

Appendix A – Exhibits
- Exhibit 1 – Site Diagram
- Exhibit 2 – Remedial Excavations 0 to 7.5 feet
- Exhibit 3 – Remedial Excavations 7.5 to 15 feet
- Exhibit 4 – Remedial Excavations 15 to 22.5 feet
- Exhibit 5 – Cross-Section A-A'
- Exhibit 6 – Cross-Section B-B'

Appendix B – Tables
- Table 1 – Summary of Contained-In Soil Analytical Results
- Table 2 – Cumulative Summary of Soil Analytical Results
- Table 3 – Waste Designation Calculations
- Table A – Estimated Volume of Dangerous Waste Soil
- Table B – Estimated Volume of Contained-In Soil

Appendix C – Laboratory Analytical Reports

# APPENDIX A – EXHIBITS

Exhibit 1 – Site Diagram

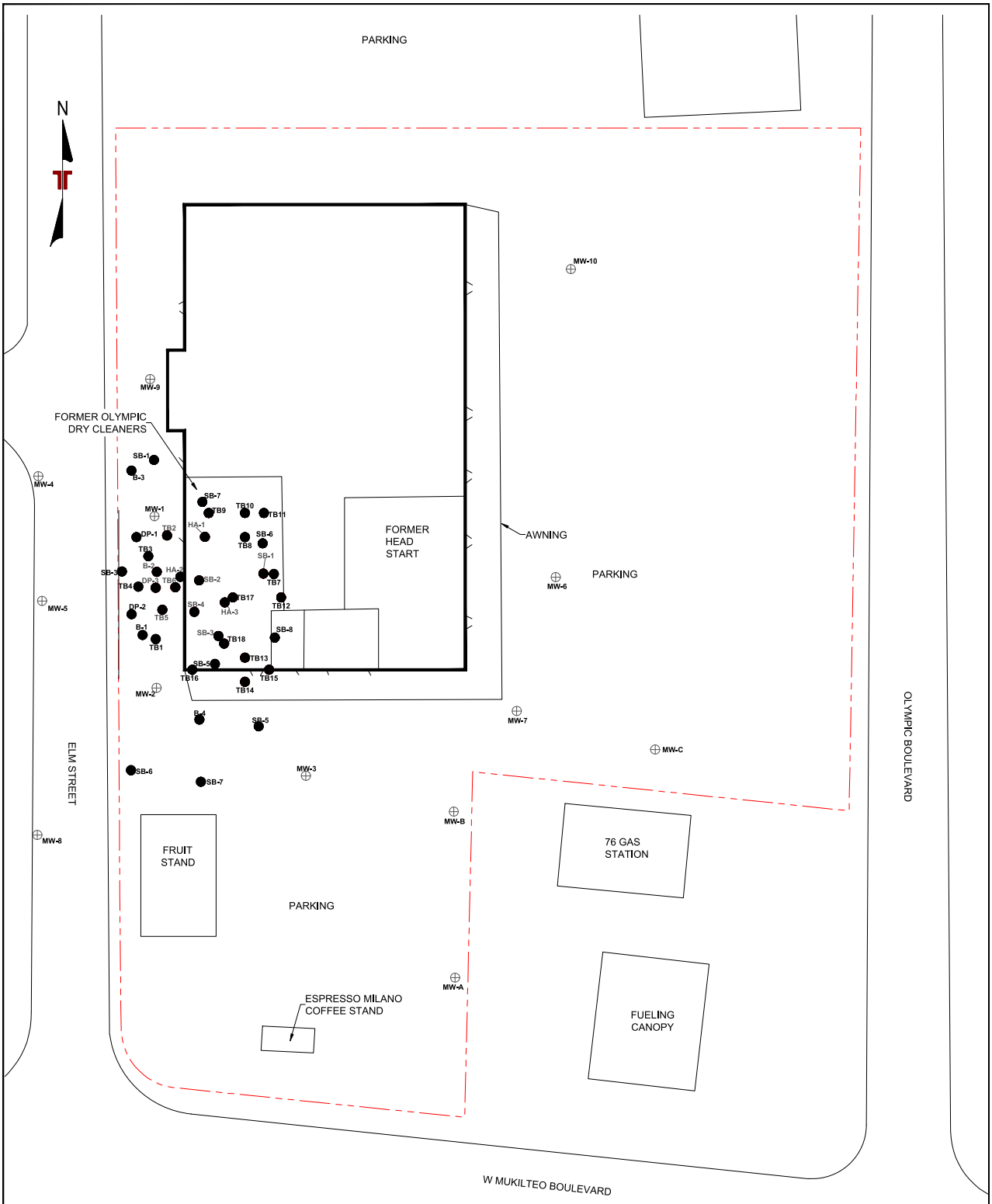
Exhibit 2 – Remedial Excavations 0 to 7.5 feet

Exhibit 3 – Remedial Excavations 7.5 to 15 feet

Exhibit 4 – Remedial Excavations 15 to 22.5 feet

Exhibit 5 – Cross-Section A-A’

Exhibit 6 – Cross-Section B-B’




**LEGEND:**

- APPROXIMATE SITE BOUNDARY
- EXISTING VIEW RIDGE PLAZA BUILDING TO BE DEMOLISHED
- MW-1 — APPROXIMATE LOCATION AND NUMBER OF MONITORING WELL
- DP-1, SB-1, TB1 — TERRACON BORING NUMBER AND APPROXIMATE LOCATION
- SB-1 — EPI BORING NUMBER AND APPROXIMATE LOCATION
- HA-1 — EPI HAND-AUGERED BORING NUMBER AND APPROXIMATE LOCATION
- B-1 — STRATUM GROUP BORING NUMBER AND APPROXIMATE LOCATION

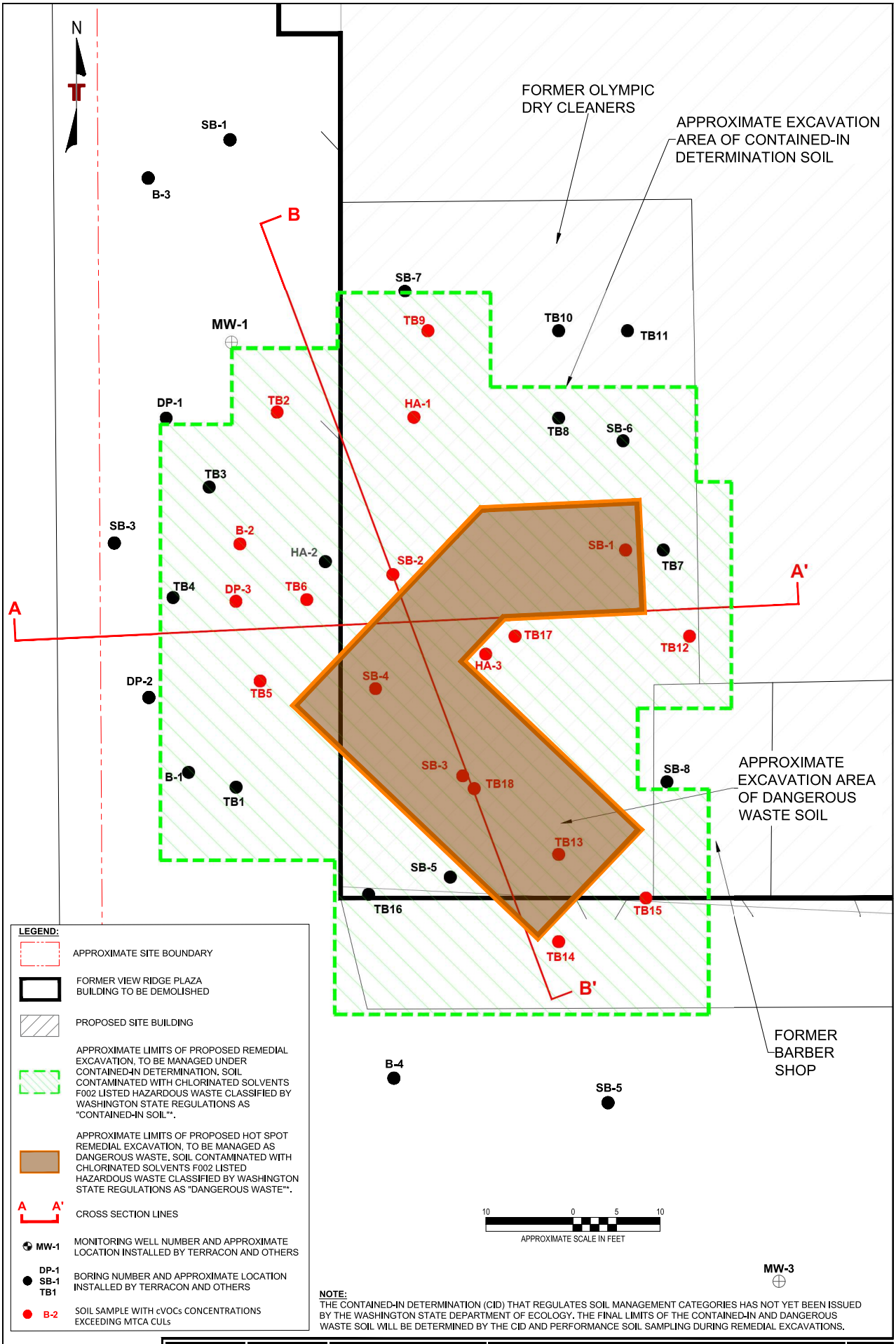
| | |
|---|---|
| Project Mngr: | KSB |
| Drawn By: | AMP |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | AS SHOWN |
| File No. | EXHIBIT 1 |
| Date: | February 2021 |

Terracon
Consulting Engineers and Scientists
21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

# SITE DIAGRAM

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

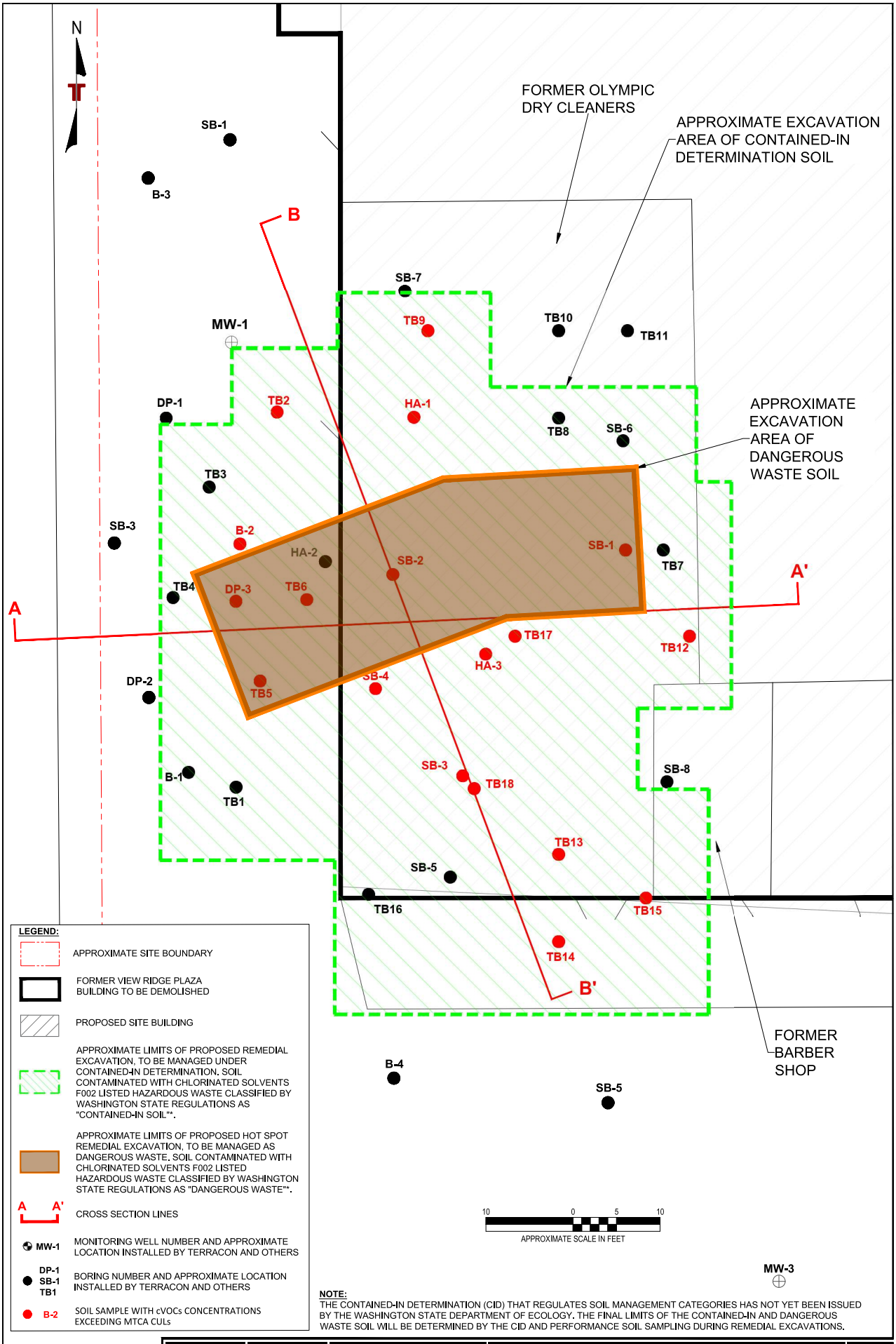
EXHIBIT 1




**NOTE:**
THE CONTAINED-IN DETERMINATION (CID) THAT REGULATES SOIL MANAGEMENT CATEGORIES HAS NOT YET BEEN ISSUED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY. THE FINAL LIMITS OF THE CONTAINED-IN AND DANGEROUS WASTE SOIL WILL BE DETERMINED BY THE CID AND PERFORMANCE SOIL SAMPLING DURING REMEDIAL EXCAVATIONS.

| | | | |
|---|---|---|---|
| Project Mngr: BAJ<br>Drawn By: AMP<br>Checked By: BAJ<br>Approved By: MYW | Project No. 81207449<br>Scale: AS SHOWN<br>File No. EXHIBIT 2<br>Date: February 2021 | Terracon Consulting Engineers and Scientists<br>21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043<br>PH. (425) 771-3304 FAX. (425) 771-3549 | **REMEDIAL EXCAVATIONS - 0 TO 7.5 FEET**<br>View Ridge Plaza<br>220 Olympic Boulevard<br>Everett, Snohomish County, Washington |

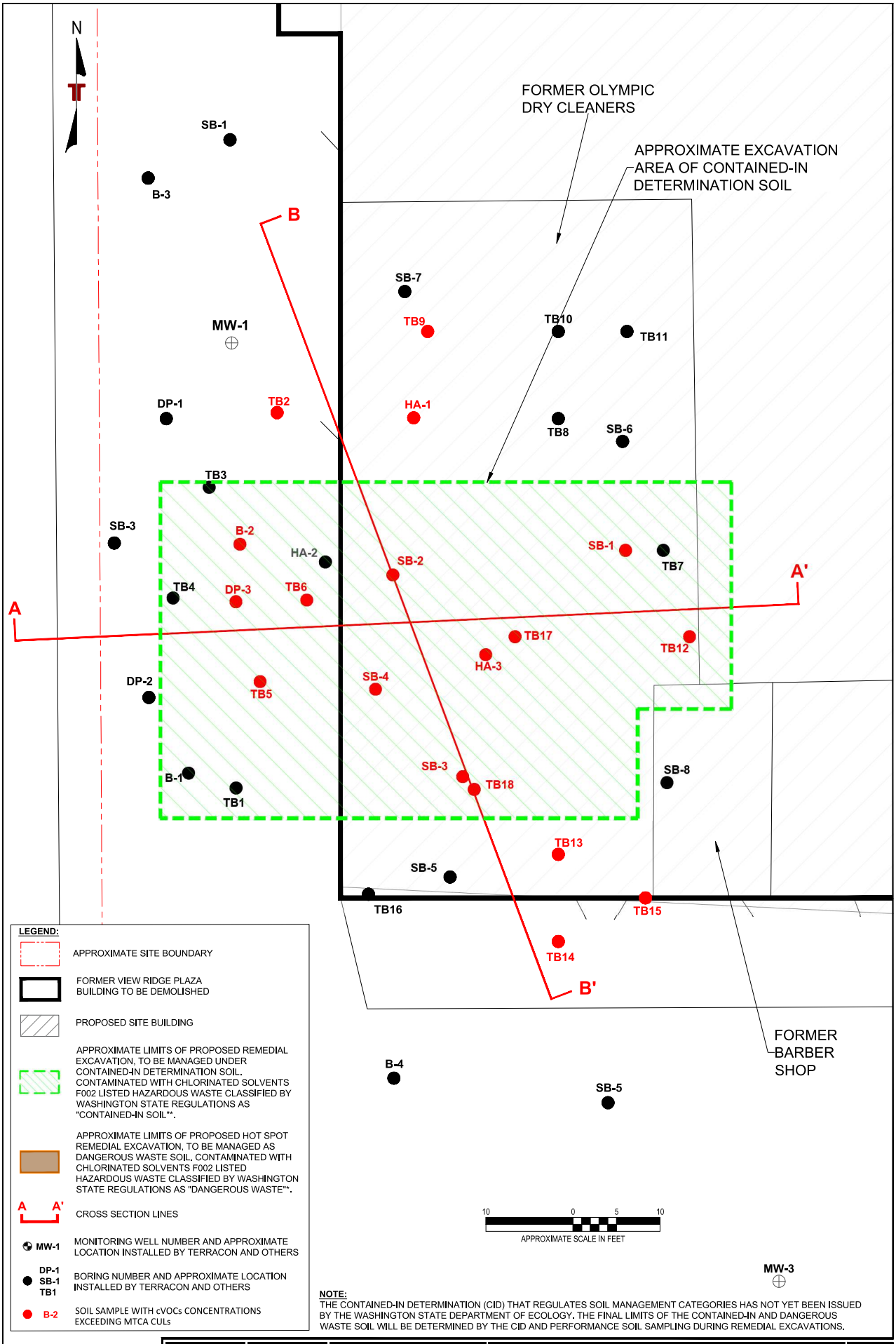
EXHIBIT 2




**NOTE:**
THE CONTAINED-IN DETERMINATION (CID) THAT REGULATES SOIL MANAGEMENT CATEGORIES HAS NOT YET BEEN ISSUED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY. THE FINAL LIMITS OF THE CONTAINED-IN AND DANGEROUS WASTE SOIL WILL BE DETERMINED BY THE CID AND PERFORMANCE SOIL SAMPLING DURING REMEDIAL EXCAVATIONS.

| | | | |
|---|---|---|---|
| Project Mngr: BAJ<br>Drawn By: AMP<br>Checked By: BAJ<br>Approved By: MYW | Project No. 81207449<br>Scale: AS SHOWN<br>File No. EXHIBIT 3<br>Date: February 2021 | Terracon Consulting Engineers and Scientists<br>21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043<br>PH. (425) 771-3304 FAX. (425) 771-3549 | **REMEDIAL EXCAVATIONS - 7.5 TO 15 FEET**<br>View Ridge Plaza<br>220 Olympic Boulevard<br>Everett, Snohomish County, Washington |

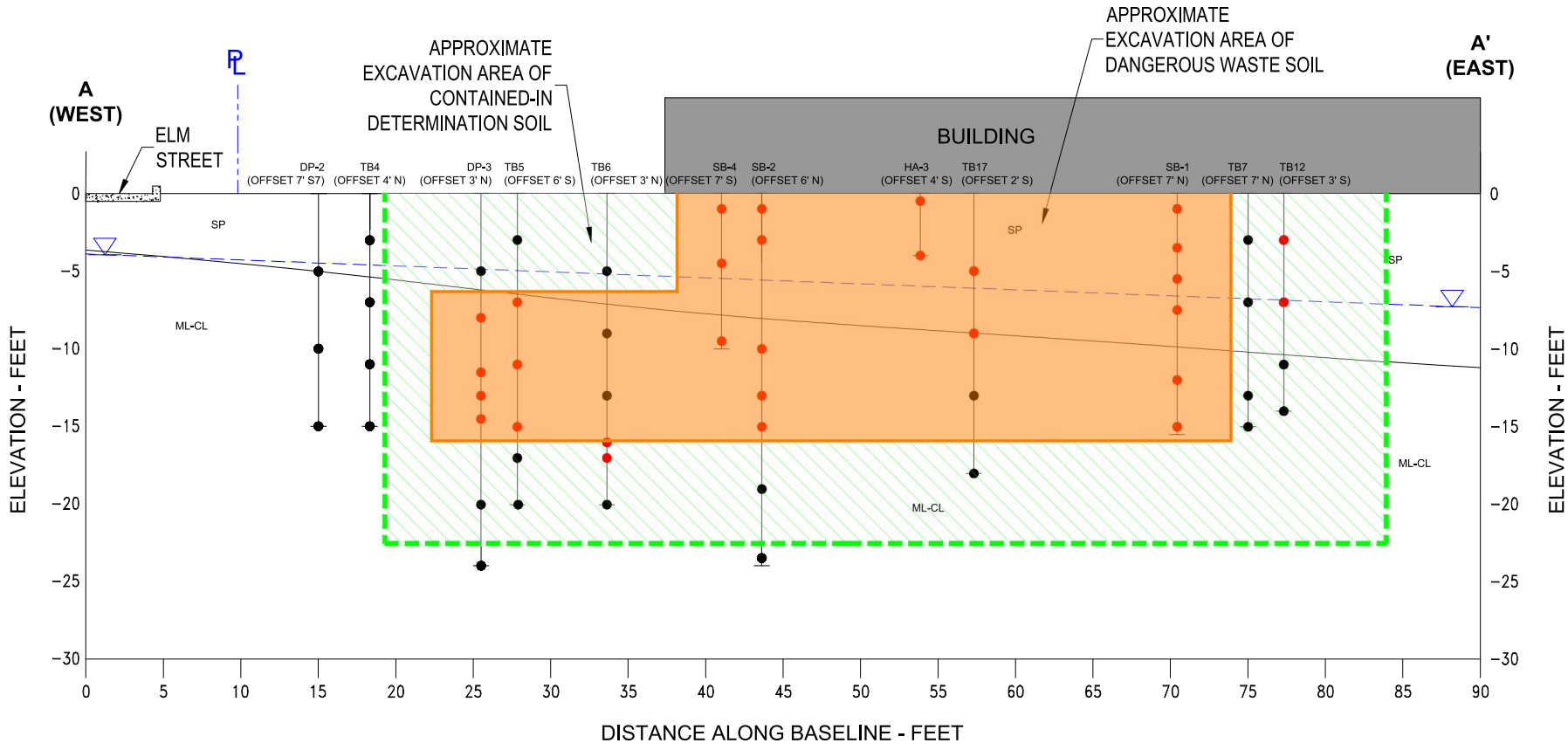
EXHIBIT 3




**NOTE:**
THE CONTAINED-IN DETERMINATION (CID) THAT REGULATES SOIL MANAGEMENT CATEGORIES HAS NOT YET BEEN ISSUED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY. THE FINAL LIMITS OF THE CONTAINED-IN AND DANGEROUS WASTE SOIL WILL BE DETERMINED BY THE CID AND PERFORMANCE SOIL SAMPLING DURING REMEDIAL EXCAVATIONS.

| | | | |
|---|---|---|---|
| Project Mngr: BAJ<br>Drawn By: AMP<br>Checked By: BAJ<br>Approved By: MYW | Project No. 81207449<br>Scale: AS SHOWN<br>File No. EXHIBIT 4<br>Date: February 2021 | Terracon<br>Consulting Engineers and Scientists<br>21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043<br>PH. (425) 771-3304 FAX. (425) 771-3549 | **REMEDIAL EXCAVATIONS - 15-22.5 FEET**<br>View Ridge Plaza<br>220 Olympic Boulevard<br>Everett, Snohomish County, Washington |

EXHIBIT 4




**LEGEND:**

- APPROXIMATE LITHOLOGY CONTACT
- APPROXIMATE STATIC WATER LEVEL ELEVATION
- SP: SAND WITH VARYING AMOUNTS OF SILT AND GRAVEL
- ML-CL: SILTY CLAY WITH MINOR AMOUNTS OF SAND AND/ OR GRAVEL

APPROXIMATE LIMITS OF PROPOSED REMEDIAL EXCAVATION, TO BE MANAGED UNDER CONTAINED-IN DETERMINATION. SOIL CONTAMINATED WITH CHLORINATED SOLVENTS F002 LISTED HAZARDOUS WASTE CLASSIFIED BY WASHINGTON STATE REGULATIONS AS "CONTAINED-IN SOIL"*.

APPROXIMATE LIMITS OF PROPOSED HOT SPOT REMEDIAL EXCAVATION, TO BE MANAGED AS DANGEROUS WASTE. SOIL CONTAMINATED WITH CHLORINATED SOLVENTS F002 LISTED HAZARDOUS WASTE CLASSIFIED BY WASHINGTON STATE REGULATIONS AS "DANGEROUS WASTE"*.

SB-3 BORING NUMBER

- SOIL SAMPLE WITH cVOC CONCENTRATIONS BELOW MTCA CULs AND/OR LABORATORY REPORTING LIMITS
- SOIL SAMPLE WITH cVOC CONCENTRATIONS EXCEEDING MTCA CULs

0 7
Approximate Scale (Feet)

NOTES:
- PLEASE REFER TO CROSS SECTION LINES ON EXHIBIT 2.

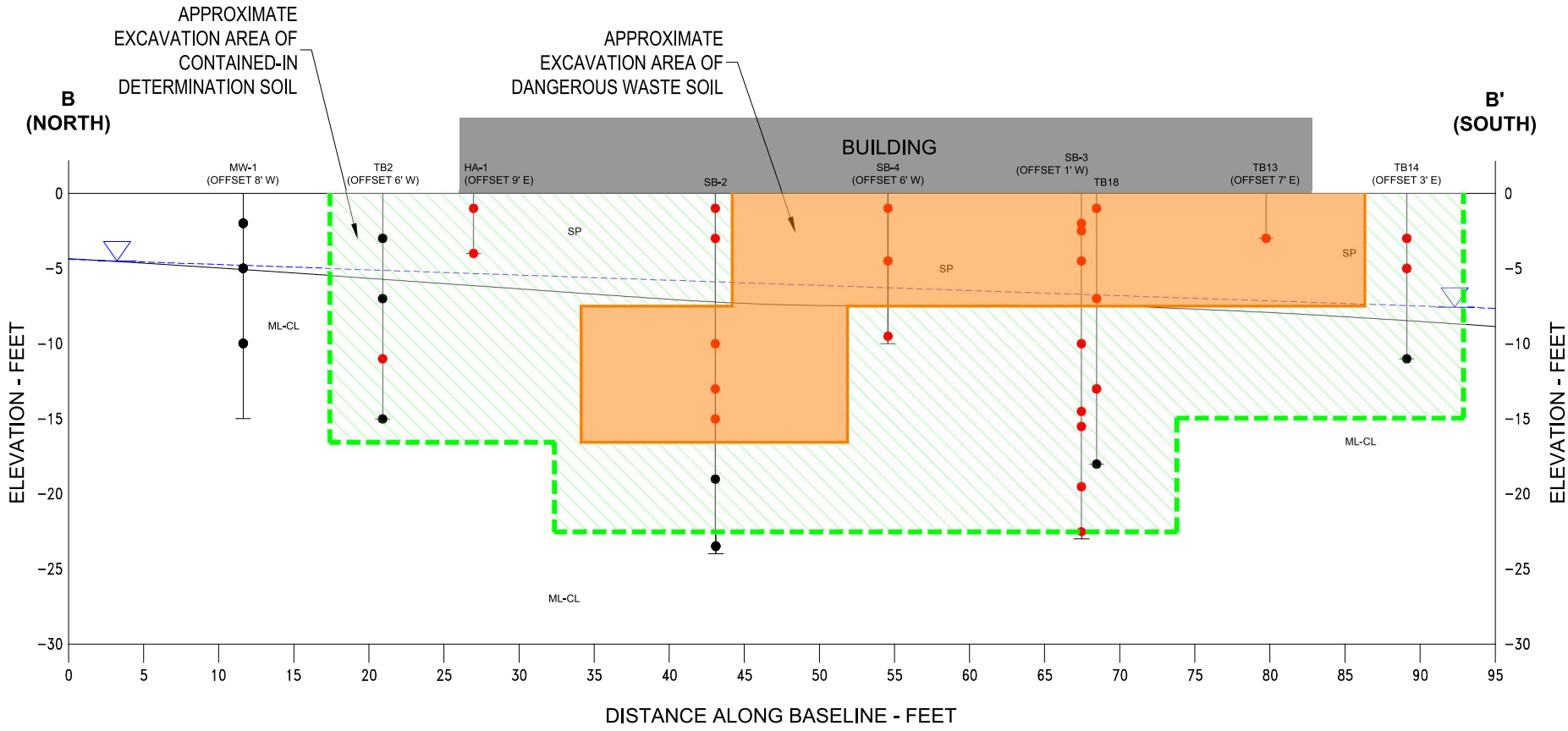
| | |
|---|---|
| Project Mngr: | BAJ |
| Drawn By: | AMP |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 5 |
| Date: | February 2021 |

Terracon
Consulting Engineers and Scientists
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**CROSS SECTION A-A'**

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 5




**LEGEND:**

- APPROXIMATE LITHOLOGY CONTACT
- APPROXIMATE STATIC WATER LEVEL ELEVATION
- SP: SAND WITH VARYING AMOUNTS OF SILT AND GRAVEL
- ML-CL: SILTY CLAY WITH MINOR AMOUNTS OF SAND AND/ OR GRAVEL

APPROXIMATE LIMITS OF PROPOSED REMEDIAL EXCAVATION, TO BE MANAGED UNDER CONTAINED-IN DETERMINATION. SOIL CONTAMINATED WITH CHLORINATED SOLVENTS F002 LISTED HAZARDOUS WASTE CLASSIFIED BY WASHINGTON STATE REGULATIONS AS "CONTAINED-IN SOIL"*.

APPROXIMATE LIMITS OF PROPOSED HOT SPOT REMEDIAL EXCAVATION, TO BE MANAGED AS DANGEROUS WASTE. SOIL CONTAMINATED WITH CHLORINATED SOLVENTS F002 LISTED HAZARDOUS WASTE CLASSIFIED BY WASHINGTON STATE REGULATIONS AS "DANGEROUS WASTE"*.

- SB-3 BORING NUMBER
- SOIL SAMPLE WITH cVOC CONCENTRATIONS BELOW MTCA CULs AND/OR LABORATORY REPORTING LIMITS
- SOIL SAMPLE WITH cVOC CONCENTRATIONS EXCEEDING MTCA CULs

0 7
Approximate Scale (Feet)

NOTES:
- PLEASE REFER TO CROSS SECTION LINES ON EXHIBIT 2.

| | |
|---|---|
| Project Mngr: | BAJ |
| Drawn By: | AMP |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 6 |
| Date: | February 2021 |

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**CROSS SECTION B-B'**

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 6

# APPENDIX B – TABLES

Table 1 – Summary of Contained-In Soil Analytical Results

Table 2 – Cumulative Summary of Soil Analytical Results

Table 3 – Waste Designation Calculations

Table A – Estimated Volume of Dangerous Waste Soil

Table B – Estimated Volume of Contained-In Soil

**TABLE 1**

**SUMMARY OF CONTAINED-IN SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | VOCs[1] | | | | | | TCLP* (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Trans-1,2- Dichloroethene (trans-DCE) | Vinyl Chloride (VC) | 1,1- Dichloroethene (1,1-DCE) | |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | **0.05** | **0.03** | **160*** | **1,600*** | **0.67*** | **4,000*** | **varies** |
| TB1 | TB1-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | **2.4** | ND (<0.010) | **0.16** | ND (<0.010) | - |
| | TB1-5 | | 5 | ND (<0.010) | ND (<0.010) | **9.6** | **0.010** | **0.62** | ND (<0.010) | - |
| | TB1-7 | | 7 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB1-11 | | 11 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB1-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB2 | TB2-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | **0.41** | **0.011** | **0.012** | ND (<0.010) | - |
| | TB2-7 | | 7 | ND (<0.010) | ND (<0.010) | **15** | ND (<0.010) | **0.57** | ND (<0.010) | - |
| | TB2-11 | | 11 | **4.4** | **0.065** | **0.068** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB2-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB3 | TB3-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | **0.48** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB3-7 | | 7 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB3-11 | | 11 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB3-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB4 | TB4-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB4-7 | | 7 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB4-11 | | 11 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB4-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB5 | TB5-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | **1.2** | ND (<0.010) | **0.18** | ND (<0.010) | - |
| | TB5-7 | | 7 | ND (<0.010) | ND (<0.010) | **15** | **0.027** | **0.70** | **0.010** | - |
| | TB5-17 | | 17 | **0.018** | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB5-20 | | 20 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB6 | TB6-5 | 1/25/2021 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB6-9 | | 9 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB6-13 | | 13 | ND (<0.010) | ND (<0.010) | **20** | ND (<0.010) | **0.63** | ND (<0.010) | - |
| | TB6-16 | | 16 | ND (<0.010) | **0.071** | **30** | **0.038** | **0.63** | **0.019** | - |
| | TB6-17 | | 17 | ND (<0.010) | ND (<0.010) | **4.0** | ND (<0.010) | **3.9*** | ND (<0.010) | PASS (0.021) |
| | TB6-20 | | 20 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB7 | TB7-3 | 4/15/2021 | 3 | ND (<0.010) | **0.014** | **0.73** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB7-7 | | 7 | ND (<0.010) | ND (<0.010) | **0.46** | ND (<0.010) | **0.037** | ND (<0.010) | - |
| | TB7-13 | | 13 | ND (<0.010) | ND (<0.010) | **0.038** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB7-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB8 | TB8-3 | 4/15/2021 | 3 | ND (<0.010) | ND (<0.010) | **1.2** | **0.040** | **0.022** | ND (<0.010) | - |
| | TB8-7 | | 7 | ND (<0.010) | ND (<0.010) | **0.45** | **0.011** | ND (<0.010) | ND (<0.010) | - |
| | TB8-14 | | 14 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB9 | TB9-3 | 4/15/2021 | 3 | ND (<0.010) | ND (<0.010) | **3.0** | ND (<0.010) | **0.71** | ND (<0.010) | - |
| | TB9-5 | | 5 | **0.27** | **0.032** | **0.17** | ND (<0.010) | **0.015** | ND (<0.010) | - |
| | TB9-11 | | 11 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB9-13 | | 13 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB10 | TB10-3 | 4/15/2021 | 3 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB10-9 | | 9 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB10-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB11 | TB11-5 | 4/15/2021 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB11-9 | | 9 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB11-14 | | 14 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |

**TABLE 1**

**SUMMARY OF CONTAINED-IN SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | VOCs[1] | | | | | | TCLP[2] (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Trans-1,2- Dichloroethene (trans-DCE) | Vinyl Chloride (VC) | 1,1- Dichloroethene (1,1-DCE) | |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | **0.05** | **0.03** | **160*** | **1,600*** | **0.67*** | **4,000*** | **varies** |
| TB12 | TB12-3 | 4/15/2021 | 3 | **0.21** | **0.010** | **0.40** | ND (<0.010) | **0.013** | ND (<0.010) | - |
| | TB12-7 | | 7 | **0.23** | **0.022** | **0.30** | ND (<0.010) | **0.11** | ND (<0.010) | - |
| | TB12-11 | | 11 | **0.021** | ND (<0.010) | **0.020** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB12-14 | | 14 | ND (<0.010) | ND (<0.010) | **0.020** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB14 | TB14-3 | 4/15/2021 | 3 | **0.70** | ND (<0.010) | **0.021** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB14-5 | | 5 | **0.41** | **0.044** | **0.13** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB14-11 | | 11 | ND (<0.010) | ND (<0.010) | **0.039** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB15 | TB15-2 | 4/15/2021 | 2 | ND (<0.010) | **0.021** | **0.41** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB15-5 | | 5 | **4.8** | **1.7** | **1.1** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB15-13 | | 13 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | **0.021** | ND (<0.010) | - |
| TB16 | TB16-5 | 4/15/2021 | 5 | ND (<0.010) | ND (<0.010) | **0.30** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | TB16-11 | | 11 | ND (<0.010) | ND (<0.010) | **0.022** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB17 | TB17-5 | 4/15/2021 | 5 | **1.9** | **0.033** | **84** | **2.3** | **0.61** | **0.14** | - |
| | TB17-9 | | 9 | **0.015** | **3.1** | **28** | **0.53** | **0.54** | **0.011** | - |
| | TB17-13 | | 13 | **0.022** | **0.029** | **11** | **0.015** | **0.026** | ND (<0.010) | - |
| | TB17-18 | | 18 | **0.017** | ND (<0.010) | **0.046** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| TB18 | TB18-7 | 4/15/2021 | 7 | **0.34** | **0.012** | **4.6** | **0.047** | **0.12** | **0.012** | - |
| | TB18-13 | | 13 | ND (<0.010) | ND (<0.010) | **0.034** | ND (<0.010) | **1.5** | ND (<0.010) | - |
| | TB18-18 | | 18 | **0.022** | ND (<0.010) | **0.010** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| DP-1 | DP1-5' | 9/16/2015 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.072) | ND (<0.066) | ND (<0.010) | ND (<0.010) | - |
| | DP1A-10' | 9/16/2015 | 10 | **0.050** | **0.030** | ND (<0.066) | ND (<0.061) | ND (<0.010) | ND (<0.010) | - |
| | DP1-15' | 9/16/2015 | 15 | ND (<0.010) | ND (<0.010) | ND (<0.060) | ND (<0.055) | ND (<0.010) | ND (<0.010) | - |
| DP-2 | DP2-5' | 9/16/2015 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.069) | ND (<0.063) | ND (<0.010) | ND (<0.010) | - |
| | DP2-10' | 9/16/2015 | 10 | ND (<0.010) | ND (<0.010) | ND (<0.069) | ND (<0.063) | ND (<0.010) | ND (<0.010) | - |
| | DP2-15' | 9/16/2015 | 15 | ND (<0.010) | ND (<0.010) | ND (<0.067) | ND (<0.061) | ND (<0.010) | ND (<0.010) | - |
| DP-3 | DP3-5' | 9/16/2015 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.063) | ND (<0.058) | **0.16** | ND (<0.010) | - |
| | DP3-14.5' | 9/16/2015 | 14.5 | **0.12** | **0.015** | ND (<0.067) | ND (0.061) | ND (<0.010) | ND (<0.010) | - |
| | DP3-20' | 9/16/2015 | 20 | **0.025** | ND (<0.010) | ND (<0.067) | ND (<0.061) | ND (<0.010) | ND (<0.010) | - |
| | DP3-24' | 9/16/2015 | 24 | ND (<0.010) | ND (<0.010) | ND (<0.076) | ND (<0.070) | ND (<0.010) | ND (<0.010) | - |
| SB-1 | SB-1 S-6@12-12.5' | 9/16/2015 | 12 | **0.035** | **0.27** | **5.1** | **0.21** | **0.014** | ND (<0.010) | - |
| | SB-1 S-7@15-15.5' | 9/16/2015 | 15 | **0.066** | **0.25** | **4.0** | **0.15** | **0.045** | ND (<0.010) | - |
| SB-2 | SB-2 S-1@1-1.5' | 9/16/2015 | 1 | **3.3** | **0.22** | **0.38** | ND (<0.062) | ND (<0.010) | ND (<0.010) | - |
| | SB-2 S-2@3-3.5' | 9/16/2015 | 3 | **2.1** | **0.63** | **0.25** | ND (<0.051) | **0.11** | ND (<0.010) | - |
| | SB-2 S-4@10-10.5' | 9/16/2015 | 10 | **1.2** | **0.10** | **0.15** | ND (<0.054) | ND (<0.010) | ND (<0.010) | - |
| | SB-2 S-8@19-19.5' | 9/16/2015 | 19 | ND (<0.010) | ND (<0.010) | ND (<0.068) | ND (<0.062) | ND (<0.010) | ND (<0.010) | - |
| | SB-2 S-9@23.5-24' | 9/16/2015 | 23.5 | ND (<0.010) | ND (<0.010) | ND (<0.064) | ND (<0.059) | ND (<0.010) | ND (<0.010) | - |
| SB-3 | SB-3 S-4@10-10.5' | 9/16/2015 | 10 | **0.15** | **0.022** | **0.57** | ND (<0.050) | **0.33** | ND (<0.010) | - |
| | SB-3 S-6@14.5-15' | 9/16/2015 | 14.5 | **3.0** | **3.3** | **19** | **0.28** | **3.9** | **0.033** | - |
| | SB-3 S-7@15.5-16' | 9/16/2015 | 15.5 | **0.78** | **0.047** | **0.83** | ND (<0.060) | **1.1** | ND (<0.010) | - |
| | SB-3 S-8@19.5-20' | 9/16/2015 | 19.5 | **0.064** | ND (<0.010) | ND (<0.076) | ND (<0.070) | ND (<0.010) | ND (<0.010) | - |
| | SB-3 S-9@22.5-23' | 9/16/2015 | 22.5 | **0.16** | **0.014** | ND (<0.062) | ND (<0.057) | ND (<0.010) | ND (<0.010) | - |

**TABLE 1**

**SUMMARY OF CONTAINED-IN SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | VOCs[1] | | | | | | TCLP+ (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Trans-1,2- Dichloroethene (trans-DCE) | Vinyl Chloride (VC) | 1,1- Dichloroethene (1,1-DCE) | |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | **0.05** | **0.03** | **160*** | **1,600*** | **0.67*** | **4,000*** | **varies** |
| SB-4 | SB-4 S-3@9.5-10' | 9/16/2015 | 9.5 | ND (<0.010) | **0.031** | **7.8** | ND <0.010 | **2.4** | ND (<0.010) | - |
| SB-5 | SB-5 S-1@1-2' | 9/16/2015 | 1 | **0.050** | **0.024** | **0.56** | ND (<0.057) | **0.10** | ND (<0.010) | - |
| | SB-5 S-2@4-4.5' | 9/16/2015 | 4 | ND (<0.010) | ND (<0.010) | **0.78** | **0.14** | **0.26** | ND (<0.010) | - |
| SB-6 | SB-6 S-1@1-2' | 9/17/2015 | 1 | **0.026** | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | SB-6 S-2@4-5' | 9/17/2015 | 4 | ND (<0.010) | ND (<0.010) | **1.1** | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| SB-7 | SB-7 S-1@1-2' | 9/17/2015 | 1 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | SB-7 S-2@4-5' | 9/17/2015 | 4 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| SB-8 | SB-8 S-1@1-2' | 9/17/2015 | 1 | **0.012** | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | - |
| | SB-8 S-2@4-5' | 9/17/2015 | 4 | **0.047** | **0.020** | **5.2** | **0.25** | **0.036** | ND (<0.010) | - |
| B1 | B1-4 | 10/23/2013 | 4 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| B2 | B2-9 | 10/23/2013 | 9 | **0.630** | **0.014** | **0.014** | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | B2-20 | 10/23/2013 | 20 | **0.022** | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| B3 | B3-5 | 10/23/2013 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | B3-13 | 10/23/2013 | 13 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| B4 | B4-7 | 10/23/2013 | 7 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| SB-1 | SB-1:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-1:10 | 10/15/2014 | 10 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-1:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| SB-2 | SB-2:2 | 10/15/2014 | 2 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-2:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-2:10 | 10/15/2014 | 10 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| SB-3 | SB-3:2 | 10/15/2014 | 2 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-3:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-3:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| SB-4 | SB-4:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-4:8 | 10/15/2014 | 8 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-4:14 | 10/15/2014 | 14 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| SB-5 | SB-5:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-5:10 | 10/15/2014 | 10 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-5:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| SB-6 | SB-6:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-6:13 | 10/15/2014 | 13 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| SB-7 | SB-7:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-7:8 | 10/15/2014 | 8 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-7:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| SB-8 | SB-8:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-8:9 | 10/15/2014 | 9 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | SB-8:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| HA-1 | HA-1:1 | 10/24/2014 | 1 | **4.8** | **0.054** | **0.093** | ND (<0.045) | ND (<0.01) | ND (<0.01) | - |
| | HA-1:4 | 10/24/2014 | 4 | **0.250** | **0.063** | **14** | **0.160** | **0.710** | **0.028** | - |
| HA-2 | HA-2:1 | 10/24/2014 | 1 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| | HA-2:4.5 | 10/24/2014 | 4.5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | - |
| HA-3 | HA-3:0.5 | 10/24/2014 | 0.5 | **1.6** | **0.200** | **0.420** | ND (<0.044) | ND (<0.01) | ND (<0.01) | - |
| | HA-3:4 | 10/24/2014 | 4 | **0.068** | **0.028** | **15.0** | **0.330** | **0.320** | **0.041** | - |

Note: Values detected above laboratory method reporting limits (MRLs) are in **BOLD** type.
Values detected above MTCA cleanup levels are in **RED BOLD** type and in a shaded cell.

VOCs - Volatile organic compounds
MTCA - Model Toxics Control Act
ND - Not detected above laboratory reporting limit.
* - MTCA Method B Cleanup Level
– - Not analyzed
1 - See laboratory report for full list of analytes.
\+ - Toxcity Leachate Characteristic Procedure.

**TABLE 2**

**CUMULATIVE SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | VOCs[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Trans-1,2- Dichloroethene (trans-DCE) | Vinyl Chloride (VC) | 1,1- Dichloroethene (1,1-DCE) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | **0.05** | **0.03** | **160*** | **1,600*** | **0.67*** | **4,000*** |
| TB1 | TB1-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | **2.4** | ND (<0.010) | **0.16** | ND (<0.010) |
| | TB1-5 | | 5 | ND (<0.010) | ND (<0.010) | **9.6** | **0.010** | **0.62** | ND (<0.010) |
| | TB1-7 | | 7 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB1-11 | | 11 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB1-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB2 | TB2-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | **0.41** | **0.011** | **0.012** | ND (<0.010) |
| | TB2-7 | | 7 | ND (<0.010) | ND (<0.010) | **15** | ND (<0.010) | **0.57** | ND (<0.010) |
| | TB2-11 | | 11 | **4.4** | **0.065** | **0.068** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB2-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB3 | TB3-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | **0.48** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB3-7 | | 7 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB3-11 | | 11 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB3-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB4 | TB4-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB4-7 | | 7 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB4-11 | | 11 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB4-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB5 | TB5-3 | 1/25/2021 | 3 | ND (<0.010) | ND (<0.010) | **1.2** | ND (<0.010) | **0.18** | ND (<0.010) |
| | TB5-7 | | 7 | ND (<0.010) | ND (<0.010) | **15** | **0.027** | **0.70** | **0.010** |
| | TB5-11 | | 11 | **3.0** | **0.083** | **0.069** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB5-15 | | 15 | **69** | **2.7** | **0.70** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB5-17 | | 17 | **0.018** | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB5-20 | | 20 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB6 | TB6-5 | 1/25/2021 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB6-9 | | 9 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB6-13 | | 13 | ND (<0.010) | ND (<0.010) | **20** | ND (<0.010) | **0.63** | ND (<0.010) |
| | TB6-16 | | 16 | ND (<0.010) | **0.071** | **30** | **0.038** | **0.63** | **0.019** |
| | TB6-17 | | 17 | ND (<0.010) | ND (<0.010) | **4.0** | ND (<0.010) | **3.9** | ND (<0.010) |
| | TB6-20 | | 20 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB7 | TB7-3 | 4/15/2021 | 3 | ND (<0.010) | **0.014** | **0.73** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB7-7 | | 7 | ND (<0.010) | ND (<0.010) | **0.46** | ND (<0.010) | **0.037** | ND (<0.010) |
| | TB7-13 | | 13 | ND (<0.010) | ND (<0.010) | **0.038** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB7-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB8 | TB8-3 | 4/15/2021 | 3 | ND (<0.010) | ND (<0.010) | **1.2** | **0.040** | **0.022** | ND (<0.010) |
| | TB8-7 | | 7 | ND (<0.010) | ND (<0.010) | **0.45** | **0.011** | ND (<0.010) | ND (<0.010) |
| | TB8-14 | | 14 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB9 | TB9-3 | 4/15/2021 | 3 | ND (<0.010) | ND (<0.010) | **3.0** | ND (<0.010) | **0.71** | ND (<0.010) |
| | TB9-5 | | 5 | **0.27** | **0.032** | **0.17** | ND (<0.010) | **0.015** | ND (<0.010) |
| | TB9-11 | | 11 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB9-13 | | 13 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB10 | TB10-3 | 4/15/2021 | 3 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB10-9 | | 9 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB10-15 | | 15 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB11 | TB11-5 | 4/15/2021 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB11-9 | | 9 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB11-14 | | 14 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB12 | TB12-3 | 4/15/2021 | 3 | **0.21** | **0.010** | **0.40** | ND (<0.010) | **0.013** | ND (<0.010) |
| | TB12-7 | | 7 | **0.23** | **0.022** | **0.30** | ND (<0.010) | **0.11** | ND (<0.010) |
| | TB12-11 | | 11 | **0.021** | ND (<0.010) | **0.020** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB12-14 | | 14 | ND (<0.010) | ND (<0.010) | **0.020** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB13 | TB13-3 | 4/15/2021 | 3 | **130** | **18** | **8.2** | **0.048** | ND (<0.010) | ND (<0.010) |

**TABLE 2**

**CUMULATIVE SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | VOCs[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Trans-1,2- Dichloroethene (trans-DCE) | Vinyl Chloride (VC) | 1,1- Dichloroethene (1,1-DCE) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | **0.05** | **0.03** | **160*** | **1,600*** | **0.67*** | **4,000*** |
| TB14 | TB14-3 | 4/15/2021 | 3 | **0.70** | ND (<0.010) | **0.021** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB14-5 | | 5 | **0.41** | **0.044** | **0.13** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB14-11 | | 11 | ND (<0.010) | ND (<0.010) | **0.039** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB15 | TB15-2 | 4/15/2021 | 2 | ND (<0.010) | **0.021** | **0.41** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB15-5 | | 5 | **4.8** | **1.7** | **1.1** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB15-13 | | 13 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | **0.021** | ND (<0.010) |
| TB16 | TB16-5 | 4/15/2021 | 5 | ND (<0.010) | ND (<0.010) | **0.30** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB16-11 | | 11 | ND (<0.010) | ND (<0.010) | **0.022** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB17 | TB17-5 | 4/15/2021 | 5 | **1.9** | **0.033** | **84** | **2.3** | **0.61** | **0.14** |
| | TB17-9 | | 9 | **0.015** | **3.1** | **28** | **0.53** | **0.54** | **0.011** |
| | TB17-13 | | 13 | **0.022** | **0.029** | **11** | **0.015** | **0.026** | ND (<0.010) |
| | TB17-18 | | 18 | **0.017** | ND (<0.010) | **0.046** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB18 | TB18-1 | 4/15/2021 | 1 | **130** | **10** | **7.0** | **0.023** | ND (<0.010) | ND (<0.010) |
| | TB18-7 | | 7 | **0.34** | **0.012** | **4.6** | **0.047** | **0.12** | **0.012** |
| | TB18-13 | | 13 | ND (<0.010) | ND (<0.010) | **0.034** | ND (<0.010) | **1.5** | ND (<0.010) |
| | TB18-18 | | 18 | **0.022** | ND (<0.010) | **0.010** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-4 | MW4-6 | 4/26/2019 | 6 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-5 | MW5-6.5 | 4/26/2019 | 6.5 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-6 | MW6-6 | 4/25/2019 | 6 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-7 | MW7-12 | 4/25/2019 | 12 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-8 | MW-8-4 | 6/5/2019 | 4 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-9 | MW-9-10 | 6/5/2019 | 10 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-10 | MW-10-12 | 6/5/2019 | 12 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| DP-1 | DP1-5' | 9/16/2015 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.072) | ND (<0.066) | ND (<0.010) | ND (<0.010) |
| DP-1A | DP1A-10' | 9/16/2015 | 10 | **0.050** | **0.030** | ND (<0.066) | ND (<0.061) | ND (<0.010) | ND (<0.010) |
| DP-1 | DP1-15' | 9/16/2015 | 15 | ND (<0.010) | ND (<0.010) | ND (<0.060) | ND (<0.055) | ND (<0.010) | ND (<0.010) |
| DP-2 | DP2-5' | 9/16/2015 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.069) | ND (<0.063) | ND (<0.010) | ND (<0.010) |
| | DP2-10' | 9/16/2015 | 10 | ND (<0.010) | ND (<0.010) | ND (<0.069) | ND (<0.063) | ND (<0.010) | ND (<0.010) |
| | DP2-15' | 9/16/2015 | 15 | ND (<0.010) | ND (<0.010) | ND (<0.067) | ND (<0.061) | ND (<0.010) | ND (<0.010) |
| DP-3 | DP3-5' | 9/16/2015 | 5 | ND (<0.010) | ND (<0.010) | ND (<0.063) | ND (<0.058) | **0.16** | ND (<0.010) |
| | DP3-8' | 9/16/2015 | 8 | **25** | **1.3** | **1.7** | ND (<0.063) | **0.080** | ND (<0.010) |
| | DP3-11.5' | 9/16/2015 | 11.5 | **140** | **4.4** | **1.4** | ND (<0.061) | **0.073** | **0.014** |
| | DP3-13' | 9/16/2015 | 13 | **160** | **6.7** | **1.3** | ND (<0.071) | **0.052** | **0.045** |
| | DP3-14.5' | 9/16/2015 | 14.5 | **0.12** | **0.015** | ND (<0.067) | ND (0.061) | ND (<0.010) | ND (<0.010) |
| | DP3-20' | 9/16/2015 | 20 | **0.025** | ND (<0.010) | ND (<0.067) | ND (<0.061) | ND (<0.010) | ND (<0.010) |
| | DP3-24' | 9/16/2015 | 24 | ND (<0.010) | ND (<0.010) | ND (<0.076) | ND (<0.070) | ND (<0.010) | ND (<0.010) |
| SB-1 | SB-1 S-1@1-1.5' | 9/16/2015 | 1 | **6.3** | **0.31** | **0.58** | ND (<0.043) | ND (<0.010) | ND (<0.010) |
| | SB-1 S-2@3.5-4.5' | 9/16/2015 | 3.5 | **2.6** | **0.24** | **97** | **2.4** | **0.13** | **0.37** |
| | SB-1 S-3@5.5-6' | 9/16/2015 | 5.5 | **0.30** | **0.035** | **35** | **0.60** | **0.041** | **0.040** |
| | SB-1 S-4@7.5-8' | 9/16/2015 | 7.5 | **0.64** | **0.068** | **130** | **4.8** | **1.6**[F3] | **0.32** |
| | SB-1 S-6@12-12.5' | 9/16/2015 | 12 | **0.035** | **0.27** | **5.1** | **0.21** | **0.014** | ND (<0.010) |
| | SB-1 S-7@15-15.5' | 9/16/2015 | 15 | **0.066** | **0.25** | **4.0** | **0.15** | **0.045**[F3] | ND (<0.010) |
| SB-2 | SB-2 S-1@1-1.5' | 9/16/2015 | 1 | **3.3** | **0.22** | **0.38** | ND (<0.062) | ND (<0.010) | ND (<0.010) |
| | SB-2 S-2@3-3.5' | 9/16/2015 | 3 | **2.1** | **0.63** | **0.25** | ND (<0.051) | **0.11** | ND (<0.010) |
| | SB-2 S-4@10-10.5' | 9/16/2015 | 10 | **1.2** | **0.10** | **0.15** | ND (<0.054) | ND (<0.010) | ND (<0.010) |
| | SB-2 S-5@13-13.5' | 9/16/2015 | 13 | **130** | **9.4** | **22** | ND (<0.010) | **0.022** | ND (<0.010) |
| | SB-2 S-6@15-15.5' | 9/16/2015 | 15 | **1.1** | **6.1** | **26** | **0.28** | **0.96** | **0.031** |
| | SB-2 S-8@19-19.5' | 9/16/2015 | 19 | ND (<0.010) | ND (<0.010) | ND (<0.068) | ND (<0.062) | ND (<0.010) | ND (<0.010) |
| | SB-2 S-9@23.5-24' | 9/16/2015 | 23.5 | ND (<0.010) | ND (<0.010) | ND (<0.064) | ND (<0.059) | ND (<0.010) | ND (<0.010) |
| SB-3 | SB-3 S-1@2-2.5' | 9/16/2015 | 2 | **4.4** | **0.38** | **0.64** | ND (<0.064) | ND (<0.010) | ND (<0.010) |
| | SB-3 S-2@2.5-3' | 9/16/2015 | 2.5 | **8,400** | **140** | **32** | ND (<5.0) | ND (<0.22) | ND (<0.22) |
| | SB-3 S-3@4.5-5' | 9/16/2015 | 4.5 | **330** | **51** | **42** | ND (<0.55) | **0.014** | ND (<0.010) |
| | SB-3 S-4@10-10.5' | 9/16/2015 | 10 | **0.15** | **0.022** | **0.57** | ND (<0.050) | **0.33** | ND (<0.010) |
| | SB-3 S-6@14.5-15' | 9/16/2015 | 14.5 | **3.0** | **3.3** | **19** | **0.28** | **3.9** | **0.033** |
| | SB-3 S-7@15.5-16' | 9/16/2015 | 15.5 | **0.78** | **0.047** | **0.83** | ND (<0.060) | **1.1** | ND (<0.010) |
| | SB-3 S-8@19.5-20' | 9/16/2015 | 19.5 | **0.064** | ND (<0.010) | ND (<0.076) | ND (<0.070) | ND (<0.010) | ND (<0.010) |
| | SB-3 S-9@22.5-23' | 9/16/2015 | 22.5 | **0.16** | **0.014** | ND (<0.062) | ND (<0.057) | ND (<0.010) | ND (<0.010) |

**TABLE 2**

**CUMULATIVE SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | VOCs[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Trans-1,2- Dichloroethene (trans-DCE) | Vinyl Chloride (VC) | 1,1- Dichloroethene (1,1-DCE) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | **0.05** | **0.03** | **160*** | **1,600*** | **0.67*** | **4,000*** |
| SB-4 | SB-4 S-1@1-1.5' | 9/16/2015 | 1 | **15** | **0.95** | **1.4** | ND (<0.049) | ND (<0.010) | ND (<0.010) |
| | SB-4 S-2@4.5-5' | 9/16/2015 | 4.5 | **7.8** | **60** | **11** | ND (<0.010) | **0.025** | ND (<0.010) |
| | SB-4 S-3@9.5-10' | 9/16/2015 | 9.5 | ND (<0.010) | **0.031** | **7.8** | ND <0.010 | **2.4** | ND (<0.010) |
| SB-5 | SB-5 S-1@1-2' | 9/16/2015 | 1 | **0.050** | **0.024** | **0.56** | ND (<0.057) | **0.10** | ND (<0.010) |
| | SB-5 S-2@4-4.5' | 9/16/2015 | 4 | ND (<0.010) | ND (<0.010) | **0.78** | **0.14** | **0.26** | ND (<0.010) |
| SB-6 | SB-6 S-1@1-2' | 9/17/2015 | 1 | **0.026** | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | SB-6 S-2@4-5' | 9/17/2015 | 4 | ND (<0.010) | ND (<0.010) | **1.1** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| SB-7 | SB-7 S-1@1-2' | 9/17/2015 | 1 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | SB-7 S-2@4-5' | 9/17/2015 | 4 | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| SB-8 | SB-8 S-1@1-2' | 9/17/2015 | 1 | **0.012** | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | SB-8 S-2@4-5' | 9/17/2015 | 4 | **0.047** | **0.020** | **5.2** | **0.25** | **0.036** | ND (<0.010) |
| B1 | B1-4 | 10/23/2013 | 4 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| B2 | B2-9 | 10/23/2013 | 9 | **0.630** | **0.014** | **0.014** | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | B2-20 | 10/23/2013 | 20 | **0.022** | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| B3 | B3-5 | 10/23/2013 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | B3-13 | 10/23/2013 | 13 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| B4 | B4-7 | 10/23/2013 | 7 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-1 | SB-1:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-1:10 | 10/15/2014 | 10 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-1:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-2 | SB-2:2 | 10/15/2014 | 2 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-2:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-2:10 | 10/15/2014 | 10 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-3 | SB-3:2 | 10/15/2014 | 2 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-3:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-3:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-4 | SB-4:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-4:8 | 10/15/2014 | 8 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-4:14 | 10/15/2014 | 14 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-5 | SB-5:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-5:10 | 10/15/2014 | 10 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-5:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-6 | SB-6:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-6:13 | 10/15/2014 | 13 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-7 | SB-7:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-7:8 | 10/15/2014 | 8 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-7:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-8 | SB-8:5 | 10/15/2014 | 5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-8:9 | 10/15/2014 | 9 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-8:15 | 10/15/2014 | 15 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| HA-1 | HA-1:1 | 10/24/2014 | 1 | **4.8** | **0.054** | **0.093** | ND (<0.045) | ND (<0.01) | ND (<0.01) |
| | HA-1:4 | 10/24/2014 | 4 | **0.250** | **0.063** | **14** | **0.160** | **0.710** | **0.028** |
| HA-2 | HA-2:1 | 10/24/2014 | 1 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | HA-2:4.5 | 10/24/2014 | 4.5 | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| HA-3 | HA-3:0.5 | 10/24/2014 | 0.5 | **1.6** | **0.200** | **0.420** | ND (<0.044) | ND (<0.01) | ND (<0.01) |
| | HA-3:4 | 10/24/2014 | 4 | **0.068** | **0.028** | **15.0** | **0.330** | **0.320** | **0.041** |

Note: Values detected above laboratory method reporting limits (MRLs) are in **BOLD** type.
Values detected above MTCA cleanup levels are in **RED BOLD** type and in a shaded cell.
Compounds for which no cleanup level has been established are not included in this table.

VOCs - Volatile organic compounds
MTCA - Model Toxics Control Act
ND - Not detected above laboratory reporting limit.
* - MTCA Method B Cleanup Level
-- - Not analyzed
1 - See laboratory report for full list of analytes.
F3 - Analyte results biased high due to coeluting compound

# Washington Dangerous Waste Designation Tool

Start here and work your way down. Only enter text in yellow fields.
Only answer questions yes or no.

*View Ridge Plaza Property*
*220 Olympic Boulevard, Everett, WA*

## ..:: DESIGNATION COMPLETE ::..

| Applicable Waste Codes | | |
|---|---|---|
| *Listed* | *Characteristic* | *State-Only* |
| F002 | | |

| LISTED WASTE | Yes / No | Resource Links | | |
|---|---|---|---|---|
| A Is the waste a solid waste? | yes | Table 1 in WAC 173-303-016 | | |
| B Is the waste excluded? | no | WAC 173-303-071 | | |
| 1 Is the waste a product that has not been used or residue from cleaning up of a spill of an unused product? | no | WAC 173-303-081 | | |
| 5 Is the waste or the process producing the waste listed in WAC 173-303-9904? Or is the waste a residual from a clean-up of a spill of these listed wastes? (F,K lists) | yes | WAC 173-303-9904 | F002 | Fill in appropriate waste code(s) to the left |
| 6 **Go to the next step – evaluate Characteristics** | | — | | |

| CHARACTERISTIC WASTE | Yes / No | Resource Links |
|---|---|---|
| 7 Is the waste a liquid with a flashpoint less than 140°F (60°C)? -or- Is the waste an ignitable solid? -or- Is the waste an ignitable gas? -or- Is the waste an oxidizer per 49 CFR 173.127 and 173.128? | no | WAC 173-303-090 (5)<br>49 CFR 173.127<br>49 CFR 173.128 |
| 8 Is the waste a water based liquid with a pH less than or equal to 2.0 or greater than or equal to 12.5? -or- Does the waste liquid corrode steel more than 0.25 in (6.35 mm)/yr? | no | WAC 173-303-090 (6) |
| 9 Is the waste a solid and when mixed with 50% water has a pH less than or equal to 2.0 or greater than or equal to 12.5? | no | WAC 173-303-090 (6) |
| 10 Does the waste have cyanide or sulfide in it? -or- Is the waste water reactive? -or- Is the waste unstable? -or- Is the waste explosive? | no | WAC 173-303-090 (7) |
| 11 Does the waste contain Toxicity Characteristic (TC) constituents from the TC List at a concentration above that listed in the standard? (D list) | no | WAC 173-303-090 (8) |
| 15 **Go to the next step – evaluating for State-Only Toxic Criteria** | | — |

| STATE – TOXIC CRITERIA | Yes / No | Resource Links | | |
|---|---|---|---|---|
| 16 Do you know the toxicity of the entire waste, or some of the components? | yes | WAC 173-303-110 (3) (a) and (b) | | |
| **STARTING POINTS:** **❒Obtain all relevant MSDS of the products that make up the waste** | | | | |
| **❒ Research toxicity data on the following databases: RTECS, ECOTOX, and TOXNET** | | RTECS | ECOTOX | TOXNET |
| 17 **❒ Check in with your regional designation contact if you have questions** | | Regional Contacts | | |
| 18 **❒ Have an analytical laboratory run a fish bioassay if you cannot acquire data anywhere else** | | Chemical Test Methods for Designating Dangerous Waste | | |
| **Complete the table below by entering only the CAS number and percentage by weight of each chemical component in the waste.** **If designating gasoline or diesel products, please use the CAS numbers of the dominant constituents in your waste. Gasoline and diesel products often have varying chemical make-ups and wastes containing them cannot have a singular CAS number assigned for designation purposes.** | | | | |
| 19 **When finished with toxicity... Go the to next step – evaluate for Persistent Criteria** | | | | |

| Chemical | CAS No. | Concentration Weight % | Reference | Fish $LC_{50}$ mg/L | Rat Oral $LD_{50}$ mg/kg | Rat Inhalation $LC_{50}$ mg/L | Rabbit Dermal $LD_{50}$ mg/kg | Toxic Category | Halogenated Organic Compound (HOC)? |
|---|---|---|---|---|---|---|---|---|---|
| | | Input as a percent. Include the % sign, e.g., 15.5%. To convert mg/kg to percentage, divide mg/kg by 10,000 (input with % sign). | Toxicity database information is from, e.g., RTECS or EcoTox | < 0.01 | < 0.5 | < 0.02 | < 2 | X | |
| | Input CAS number must include dashes, e.g., 108-88-3 | | | 0.01 - < 0.1 | 0.5 - < 5 | 0.02 - < 0.2 | 2 - < 20 | A | |
| | | | | 0.1 - < 1 | 5 - < 50 | 0.2 - < 2 | 20 - < 200 | B | |
| | | | | 1 - < 10 | 50 - < 500 | 2 - < 20 | 200 - < 2,000 | C | |
| | | | | 10 - 100 | 500 - 5,000 | 20 - 200 | 2,000 - 20,000 | D | |
| Tetrachloroethylene (Perchloroethylene, PERC) | 127-18-4 | 0.000480% | RTECS and | 5.00 | 2,629.0 | | | C | D,F,P,U,WP,HOC |
| TRICHLOROETHYLENE | 79-01-6 | 0.000330% | RTECS and | 42.00 | 4,920.0 | | 20,000.00 | D | D,F,P,U,WP,HOC |
| Dichloroethene, 1,2-cis- | 156-59-2 | 0.008400% | RTECS, HSDB, | 135.00 | | 16.47 | | C | HOC |
| Dichloroethene, 1,2-trans- | 156-60-5 | 0.000230% | RTECS, HSDB, | 135.00 | 1,235.0 | 28.97 | | D | D,F,P,U,WP,HOC |
| Dichloroethene, 1,1- | 75-35-4 | 0.000014% | RTECS, HSDB, | 29.00 | 200.0 | 7.63 | | C | D,F,P,U,WP,HOC |
| Ethylene, chloro- | 75-01-4 | 0.000390% | RTECS | | 500.0 | | | D | D,F,P,U,WP,HOC |
| | | 0.009844% | | | | | | | |

**Equivalent Concentration**

$$\frac{0.00\%}{1}\ \text{X} + \frac{0.00\%}{10}\ \text{A} + \frac{0.00\%}{100}\ \text{B} + \frac{0.01\%}{1,000}\ \text{C} + \frac{0.00\%}{10,000}\ \text{D}$$

**0.0000%**
**Waste Code: NA**
**Designation: Non-toxic**

| Waste Code | Designation | Min % |
|---|---|---|
| WT01 | EHW | 1% |
| WT02 | DW | 0.01% |
| WT02 | DW or Special Waste | 0.001% |

| STATE – PERSISTANT CRITERIA | Yes / No | Resource Links |
|---|---|---|
| 20 Does your waste contain halogenated organic compounds as defined in WAC 173-303-040? Halogenated polymers with >5000 molecular weight are exempt from state persistence criteria. See section 3.8.7.2 of the Chemical Test Methods for Designating Dangerous Waste for more details on halogenated polymers. HOC additives not bound to the polymer (e.g., brominated flame retardents), are not exempt. See section 3.8.8.3 of the Chemical Test Methods for Designating Dangerous Waste for more details on additives. | **yes** | WAC 173-303-100 (6) Tip: A halogenated organic compound (HOC) is a chemical with a halide–chlorine (Cl), bromine (Br), fluorine (F), or iodine (I)–bonded directly to a carbon atom. |
| 21 Is the total concentration of halogenated organic compounds in your waste greater than 10,000 ppm or 1%? | **no** | Chemical Test Methods for Designating Dangerous Waste |
| 22 Is the total concentration of halogenated organic compounds in your waste greater than 100 ppm or 0.01%? | **no** | |
| 20 Is the total concentration of polycyclicaromatic hydrocarbons (as defined in WAC 173-303-040) in your waste greater than 10,000 ppm or 1% ? (WP– List) | **no** | WAC 173-303-100 (6) WAC 173-303-040 Chemical Test Methods for Designating Dangerous Waste |
| 23 **Go to the next step – evaluating for PCBs** | | — |

| STATE – POLYCHLORINATED BIPHENYL (PCB) | Yes / No | Resource Links |
|---|---|---|
| 24 Does your waste contain any PCB? | **no** | WAC 173-303-9904 |
| 27 **No further designation is necessary.** | | — |

**Table A. Estimated Soil Volume of Dangerous Waste Soil**

| Waste Codes | Dangerous Waste Media and Area | Estimated Volume of Dangerous Waste Soil (cubic yards) | Estimated Weight[1] |
|---|---|---|---|
| F002 Listed Waste | Soil excavated from 220 Olympic Boulevard, Everett, Washington, Snohomish County Parcel No. 00606200004102. | 610 | 865 |
| Total Estimated Soil for Disposal as Dangerous Waste | | | **1,040 tons** |

Notes: 1) Tonnages calculated assuming a 1.7 conversation factor. Volumes assume a 20% contingency for swell of soil during excavation.

**Table B. Estimated Soil Volume of Contained-In Soil**

| Waste Codes | Contained-In Media and Area | Estimated Volume of CID Soil (cubic yards) | Estimated Weight[1] |
|---|---|---|---|
| F002 Listed Waste | Soil excavated from 220 Olympic Boulevard, Everett, Washington, Snohomish County Parcel No. 00606200004102. | 3,100 | 4,370 |
| Total Estimated Soil for Disposal as Contained-In Soil | | | **5,250 tons** |

Notes: 1) Tonnages calculated assuming a 1.7 conversation factor. Volumes assume a 20% contingency for swell of soil during excavation.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
*Northwest Regional Office • PO Box 330316 • Shoreline, Washington 98133-9716 • (206) 594-0000*
*711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341*

June 1, 2021

Mike Cocco
VAF 309 W Mukilteo Boulevard, LLC
c/o Catalyst Capital Holdings, LLC
6 Crescent Road
Florham Park, NJ 07932

**Re: Contained-In Determination for F002 Contaminated Soils at the View Ridge Plaza Property at 220 Olympic Boulevard, Everett, Washington 98203.**

Reference: 1. Electronic mail and attachment from Kyle Bennett (Terracon Consultants, Inc.) to P. Bianco (Ecology), dated April 28, 2021
2. Electronic mail and attachments from Kyle Bennett (Terracon Consultants, Inc.) to M. Collins (Ecology), dated May 28, 2021

Dear Mike Cocco:

The Washington State Department of Ecology (Ecology) received a contained-in determination request from your environmental consultant, Terracon Consultants, LLC, for specific F002-listed waste perchloroethylene (PCE) contaminated soils to be excavated on the property located at 220 Olympic Boulevard, Everett, Washington.

Analytical data were submitted to Ecology to determine if these soils contaminated with F002-listed dangerous waste constituents may be exempt from management as dangerous wastes per the "Contained-In Policy"[1]. Ecology understands that these contaminated soils do not designate under federal characteristics (WAC 173-303-090) or State-only criteria (WAC 173-303-100).

Based on the information received and reviewed, Ecology has determined that the **4420 tons** of PCE contaminated soils to be excavated (**attached Table A –B and Exhibits 2, 3, 5, 6 and updated Exhibit 4**) are contaminated with F002 listed dangerous waste constituents (PCE and daughter chemicals) at concentrations that do not warrant management as dangerous wastes. Ecology will not require disposal of these **4420 tons** of PCE contaminated soils as F002-listed dangerous wastes at a RCRA permitted dangerous waste treatment, storage and disposal (TSD) facility, provided that all of the following conditions are implemented. This contained-in

[1] Washington State Department of Ecology Contained-in Policy, dated February 19, 1993

determination applies only to the contaminated soils, and does not pertain to contaminated water or any mixture of contaminated soils and fluid.

You or your environmental consultant, Terracon Consultants, LLC, shall:

- Ensure that no standing water is present within the containers or trucks holding the contaminated soils. All water must be removed to the maximum extent possible from each container or truck and managed as F002 dangerous wastes or as otherwise allowed under Chapter 173-303 WAC. Adding bentonite or similar materials to absorb standing F002 listed waste contaminated water in the containers is not allowed. Mixtures of bentonite or similar materials and the listed waste contaminated water must be managed as F002 listed dangerous wastes;

- Directly deliver the soils to a solid waste landfill or transfer station permitted under Chapter 173-351 WAC and/or Chapter 173-350 WAC inside Washington State. If taken directly to the solid waste landfill, no off-loading of the contaminated soils is allowed between the cleanup site and the permitted solid waste landfill; If taken to the transfer station, the intermodal containers from the cleanup site will be loaded on to rail cars, removal of the contaminated soils from the intermodal container at the transfer station is not allowed;

- If you plan to deliver the contaminated soils to a landfill outside Washington State, you must FIRST submit to Ecology written approval for the contaminated soil disposal from the State hazardous waste program and the out of state landfill, **before** the soils are delivered to the out of state landfill.

- If you load the contaminated soils directly onto the truck bed or the contaminated soils are transported in roll-off bins, the truck or the roll-off bins must be lined with plastic and properly covered to prevent leaks, spills or dispersion due to wind.

- Dispose of the contaminated soils at the permitted solid waste landfill by September 30, 2021. This contained-in determination letter is no longer valid after September 30, 2021 and the contaminated soils shall be managed as dangerous wastes after this date;

- Provide copies of all signed solid waste landfill receipts or a certificate of disposal issued by the receiving landfill for these contaminated soils to Ecology, attention of Mindy Collins, by October 30, 2021. This is an important verification step for you and your consultant to follow in order for this Ecology decision to be valid;

- Provide an itemized table of all PCE contaminated soils disposed of under this letter on a monthly basis beginning on June 30, 2021 and ending on September 31, 2021. The table shall include at a minimum the following: date each contaminated soil shipment left the Site; date contaminated soil shipment received by the Ecology approved solid waste landfill; weight of each shipment of contaminated soil; total of all contaminated soil shipments to the Ecology approved solid waste landfill; an approximate percentage of total contained-in soils removed

from the site; name and location of the solid waste landfill. This table shall be submitted no later than the last day of each month to Ecology.

- Do not consolidate these contaminated soils with other soils that do not pertain to this contained-in determination;

- Notify Ecology before disposal of the contaminated soil if the amount exceeds the approved amount or if the excavation limits exceed the lateral extents shown on Exhibits 2, 3, updated 4, 5, 6 in this letter. Ecology needs to make sure that the additional soil qualifies for a contained-in determination;

- Notify Ecology before disposal of the contaminated soil if the excavation limits exceed the vertical extent of eighteen (18) feet below the ground surface for the area outlined in red shown on Exhibit 4 in this letter. Ecology needs to make sure that the additional soil qualifies for a contained-in determination;

- Ensure that the transporter is properly trained to handle hazardous waste so that the transporter manages the contained-in determination soils during transport in a manner that is protective of human health and the environment;

- Take measures to prevent unauthorized contact with these contaminated soils at all times;

- Provide instructions to the landfill operator that these soils are **not** to be used for daily, intermediate, or final cover;

- Provide copies of all soil analytical data to the landfill operator, upon request; and

- Do not send these contaminated soils to any incinerator, thermal desorption unit or recycling facility unless that facility is a RCRA Subtitle C permitted dangerous waste TSD facility.

Ecology issued this determination based on the information provided and reviewed to date. This Ecology determination will be rescinded if Ecology finds that the information submitted by the property owner or its environmental consultant is materially false, misleading, otherwise does not accurately represent the site conditions, or if the Ecology requirements listed above are not followed.

This written decision only applies to the **4420 tons** of specified PCE contaminated soils to be generated during excavation activities from areas described in your request (references 1 and 4). It does not apply to any other media. Any data used for this contained-in determination is intended for use in determining the proper disposal of the above stated PCE contaminated soil according to the Washington State Dangerous Waste Regulations (Chapter 173-303 WAC) and Ecology Contained-in Policy. This letter is not an Ecology approval for dangerous waste designation or disposal of contaminated soils that may be generated or already excavated from other areas in this property.

This letter is not a No Further Action (NFA) letter and not written approval for any cleanup action plan you may have submitted. Instead, this letter only addresses the procedures for disposal of the contaminated soils according to the Washington State Dangerous Waste Regulations (Chapter 173-303 WAC). Regulatory decisions regarding the cleanup action, applicable soil and groundwater cleanup levels and any other cleanup issues must comply with the requirements under Ecology Model Toxics Control Act (Chapter 173-340 WAC). Local agencies may have the authority to impose additional requirements on this waste stream.

If you fail to comply with the terms of this letter, Ecology may issue an administrative order and/or penalty as provided by the Revised Code of Washington, Sections 70A.300.090 and/or .120 (Hazardous Waste Management Act).

If you have any questions concerning this letter, please contact me at (206) 594-0044 or cboe461@ecy.wa.gov.

Sincerely,



Christa Colouzis, PE
Corrective Action Unit Supervisor
Hazardous Waste and Toxics Reduction Program

Sent by Certified Mail: 9171 9690 0935 0214 2482 57

Enclosures

ecc: Kyle Bennett, Terracon Consultants Inc., kyle.bennett@terracon.com
Paul Bianco, Ecology
Greg Caron, Ecology
Mindy Collins, Ecology
Chuck Hoffman, Ecology
Chris Mauer, Ecology
Donna Musa, Ecology
Karen Wood, Ecology

## Table A. Estimated Soil Volume of Dangerous Waste Soil

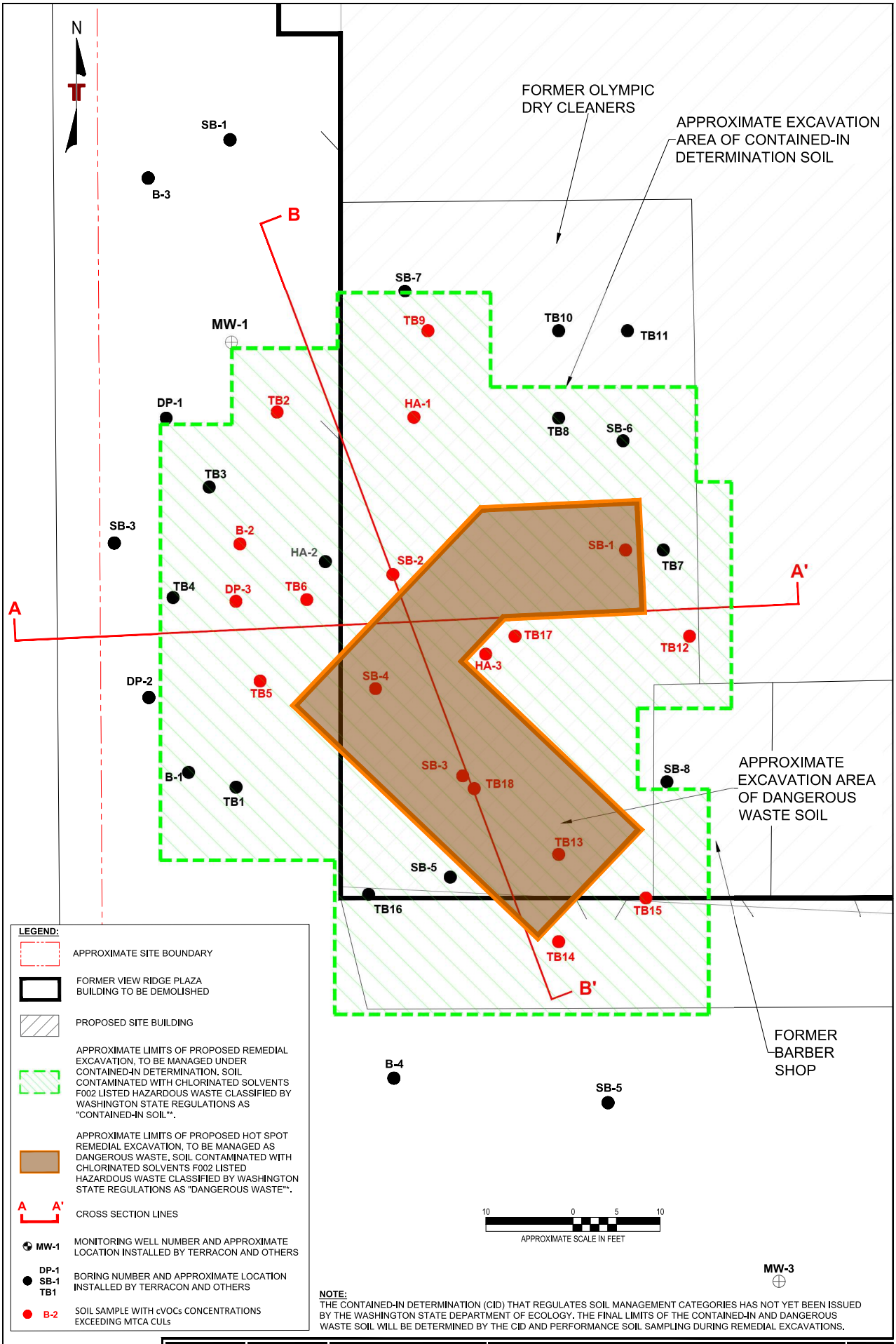
| Waste Codes | Dangerous Waste Media and Area | Estimated Volume of Dangerous Waste Soil (cubic yards) | Estimated Weight[1] |
|---|---|---|---|
| F002 Listed Waste | Soil excavated from 220 Olympic Boulevard, Everett, Washington, Snohomish County Parcel No. 00606200004102. | 610 | 865 |
| Total Estimated Soil for Disposal as Dangerous Waste | | | **1,040 tons** |

Notes: 1) Tonnages calculated assuming a 1.7 conversation factor. Volumes assume a 20% contingency for swell of soil during excavation.

## Table B. Estimated Soil Volume of Contained-In Soil

| Waste Codes | Contained-In Media and Area | Estimated Volume of CID Soil (cubic yards) | Estimated Weight[1] |
|---|---|---|---|
| F002 Listed Waste | Soil excavated from 220 Olympic Boulevard, Everett, Washington, Snohomish County Parcel No. 00606200004102. | 2,600 | 3,695 |
| Total Estimated Soil for Disposal as Contained-In Soil | | | **4,420 tons** |

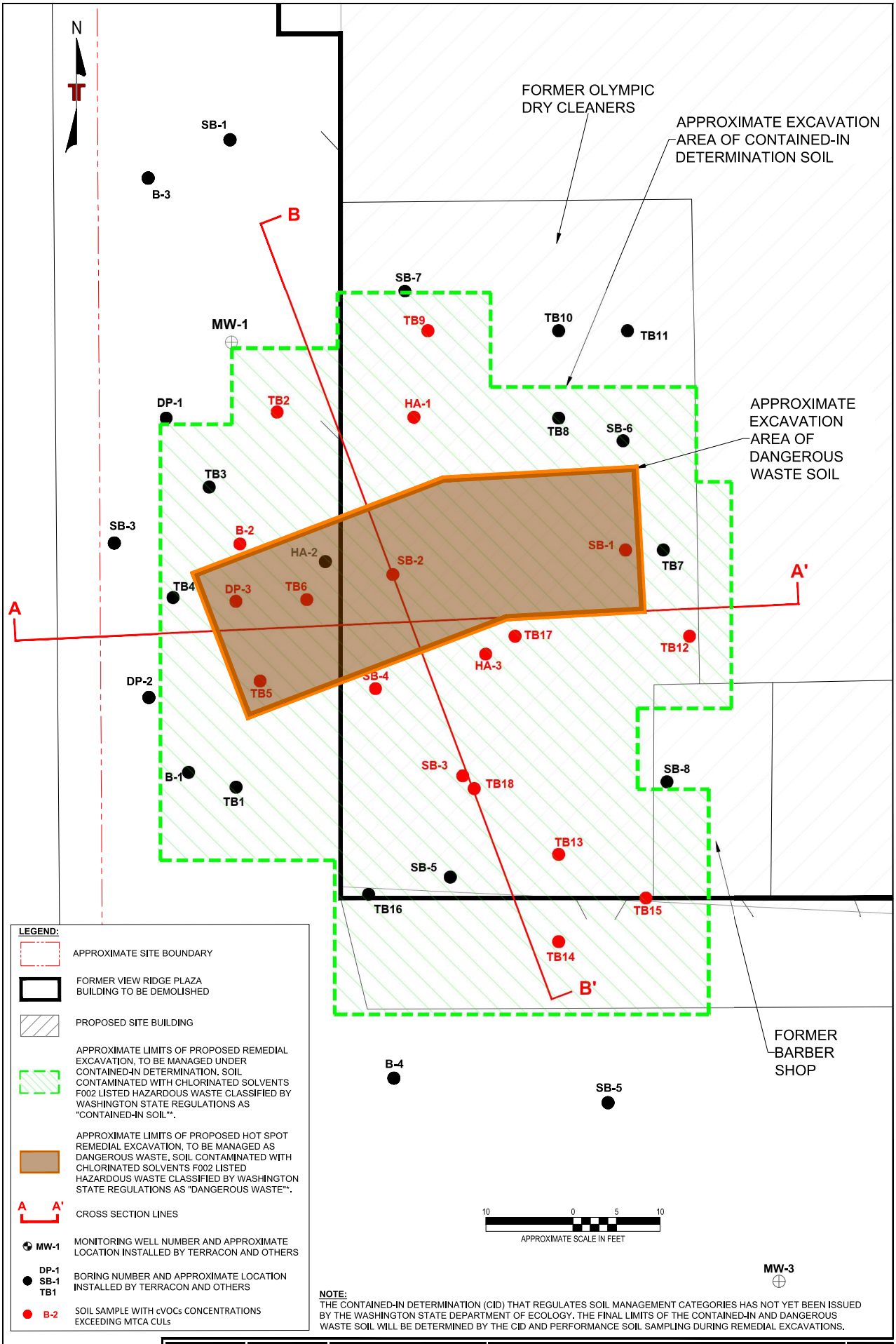
Notes: 1) Tonnages calculated assuming a 1.7 conversation factor. Volumes assume a 20% contingency for swell of soil during excavation.




**NOTE:**
THE CONTAINED-IN DETERMINATION (CID) THAT REGULATES SOIL MANAGEMENT CATEGORIES HAS NOT YET BEEN ISSUED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY. THE FINAL LIMITS OF THE CONTAINED-IN AND DANGEROUS WASTE SOIL WILL BE DETERMINED BY THE CID AND PERFORMANCE SOIL SAMPLING DURING REMEDIAL EXCAVATIONS.

| | | | |
|---|---|---|---|
| Project Mngr: BAJ<br>Drawn By: AMP<br>Checked By: BAJ<br>Approved By: MYW | Project No. 81207449<br>Scale: AS SHOWN<br>File No. EXHIBIT 2<br>Date: February 2021 | Terracon Consulting Engineers and Scientists<br>21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043<br>PH. (425) 771-3304 FAX. (425) 771-3549 | **REMEDIAL EXCAVATIONS - 0 TO 7.5 FEET**<br>View Ridge Plaza<br>220 Olympic Boulevard<br>Everett, Snohomish County, Washington |

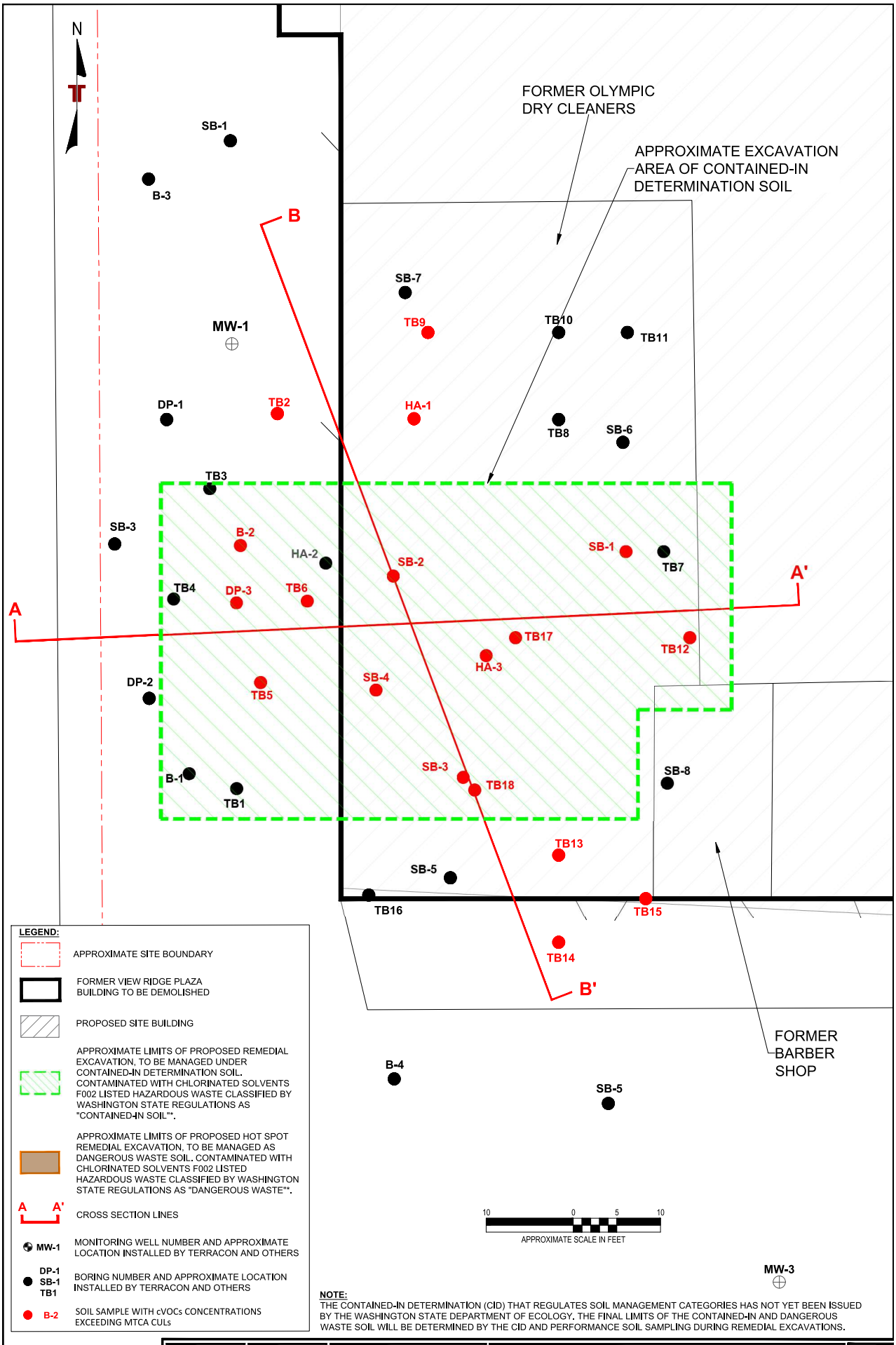
EXHIBIT 2




**NOTE:**
THE CONTAINED-IN DETERMINATION (CID) THAT REGULATES SOIL MANAGEMENT CATEGORIES HAS NOT YET BEEN ISSUED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY. THE FINAL LIMITS OF THE CONTAINED-IN AND DANGEROUS WASTE SOIL WILL BE DETERMINED BY THE CID AND PERFORMANCE SOIL SAMPLING DURING REMEDIAL EXCAVATIONS.

| | | | |
|---|---|---|---|
| Project Mngr: BAJ<br>Drawn By: AMP<br>Checked By: BAJ<br>Approved By: MYW | Project No. 81207449<br>Scale: AS SHOWN<br>File No. EXHIBIT 3<br>Date: February 2021 | Terracon Consulting Engineers and Scientists<br>21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043<br>PH. (425) 771-3304 FAX. (425) 771-3549 | **REMEDIAL EXCAVATIONS - 7.5 TO 15 FEET**<br>View Ridge Plaza<br>220 Olympic Boulevard<br>Everett, Snohomish County, Washington |

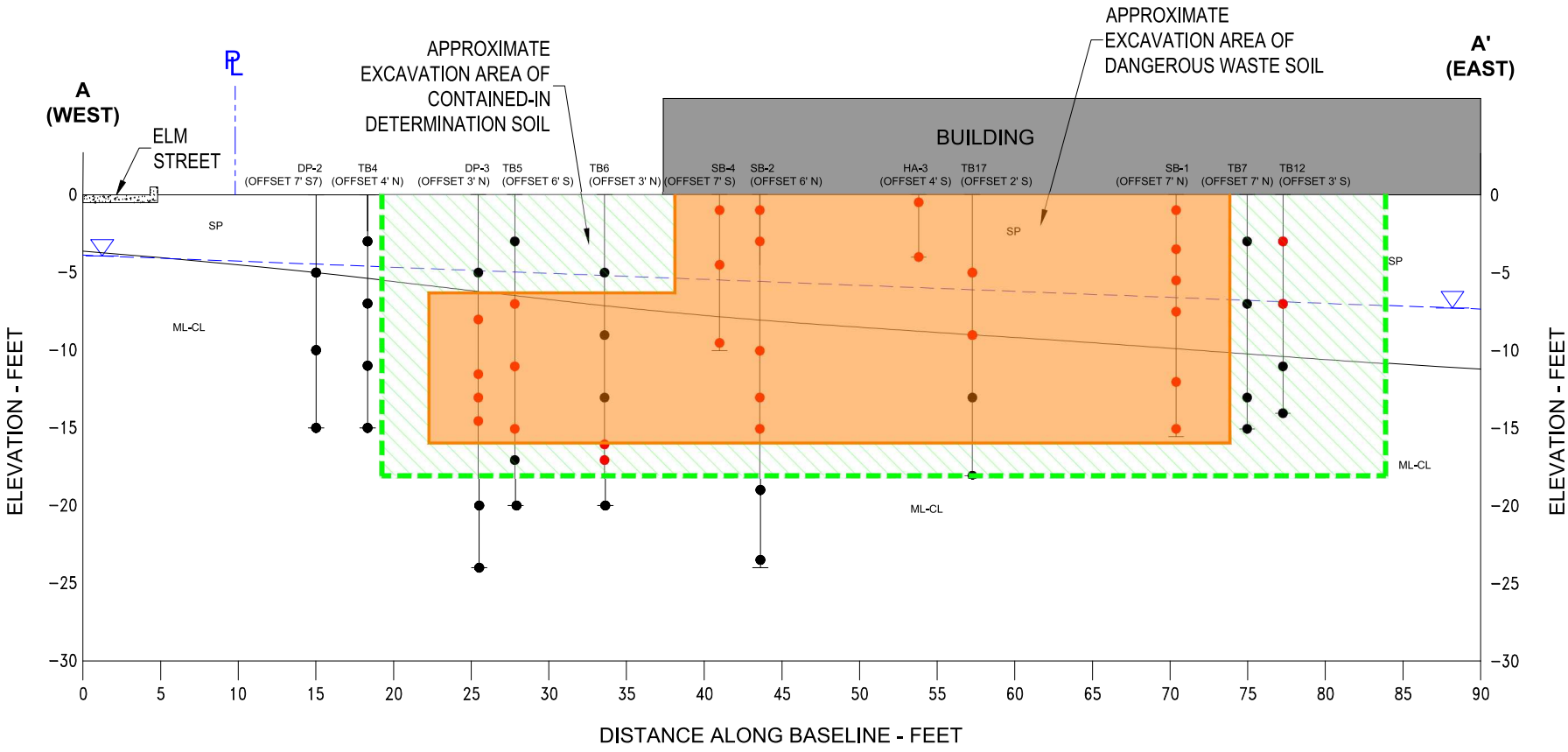
EXHIBIT 3




**NOTE:**
THE CONTAINED-IN DETERMINATION (CID) THAT REGULATES SOIL MANAGEMENT CATEGORIES HAS NOT YET BEEN ISSUED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY. THE FINAL LIMITS OF THE CONTAINED-IN AND DANGEROUS WASTE SOIL WILL BE DETERMINED BY THE CID AND PERFORMANCE SOIL SAMPLING DURING REMEDIAL EXCAVATIONS.

| | | | |
|---|---|---|---|
| Project Mngr: BAJ | Project No. 81207449 | Terracon Consulting Engineers and Scientists | **REMEDIAL EXCAVATIONS - 15-18 FEET** |
| Drawn By: AMP | Scale: AS SHOWN | 21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043 | View Ridge Plaza |
| Checked By: BAJ | File No. EXHIBIT 4 | PH. (425) 771-3304 FAX. (425) 771-3549 | 220 Olympic Boulevard |
| Approved By: MYW | Date: February 2021 | | Everett, Snohomish County, Washington |

EXHIBIT 4




**LEGEND:**

- APPROXIMATE LITHOLOGY CONTACT
- APPROXIMATE STATIC WATER LEVEL ELEVATION
- SP: SAND WITH VARYING AMOUNTS OF SILT AND GRAVEL
- ML-CL: SILTY CLAY WITH MINOR AMOUNTS OF SAND AND/ OR GRAVEL

APPROXIMATE LIMITS OF PROPOSED REMEDIAL EXCAVATION, TO BE MANAGED UNDER CONTAINED-IN DETERMINATION. SOIL CONTAMINATED WITH CHLORINATED SOLVENTS F002 LISTED HAZARDOUS WASTE CLASSIFIED BY WASHINGTON STATE REGULATIONS AS "CONTAINED-IN SOIL"*.

APPROXIMATE LIMITS OF PROPOSED HOT SPOT REMEDIAL EXCAVATION, TO BE MANAGED AS DANGEROUS WASTE. SOIL CONTAMINATED WITH CHLORINATED SOLVENTS F002 LISTED HAZARDOUS WASTE CLASSIFIED BY WASHINGTON STATE REGULATIONS AS "DANGEROUS WASTE"*.

- SB-3: BORING NUMBER
- SOIL SAMPLE WITH cVOC CONCENTRATIONS BELOW MTCA CULs AND/OR LABORATORY REPORTING LIMITS
- SOIL SAMPLE WITH cVOC CONCENTRATIONS EXCEEDING MTCA CULs

0 7
Approximate Scale (Feet)

NOTES:
- PLEASE REFER TO CROSS SECTION LINES ON EXHIBIT 2.

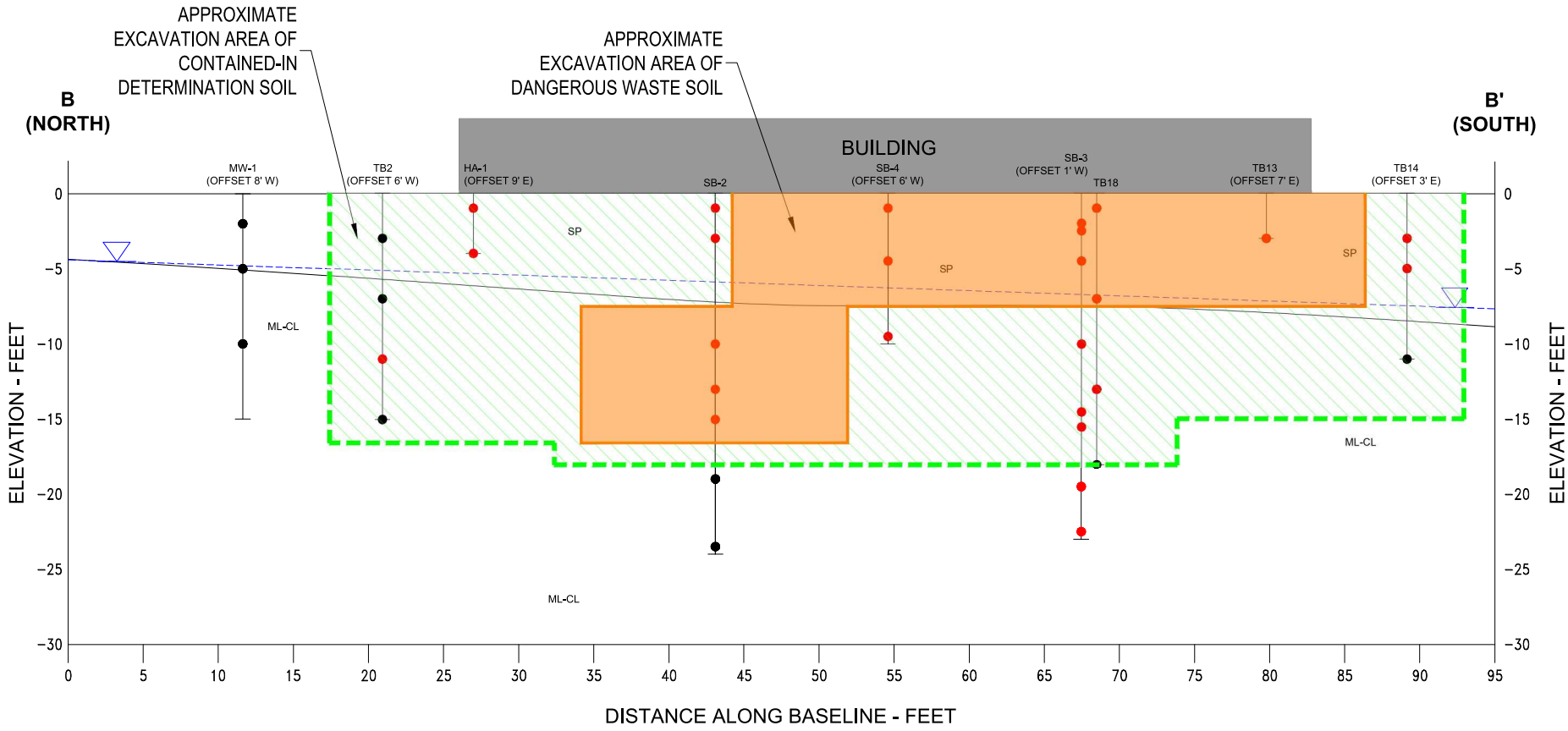
| | |
|---|---|
| Project Mngr: | BAJ |
| Drawn By: | AMP |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 5 |
| Date: | February 2021 |

Terracon
Consulting Engineers and Scientists
21905 64th Avenue W, Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

**CROSS SECTION A-A'**

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 5




**LEGEND:**

- APPROXIMATE LITHOLOGY CONTACT
- APPROXIMATE STATIC WATER LEVEL ELEVATION
- SP: SAND WITH VARYING AMOUNTS OF SILT AND GRAVEL
- ML-CL: SILTY CLAY WITH MINOR AMOUNTS OF SAND AND/ OR GRAVEL

APPROXIMATE LIMITS OF PROPOSED REMEDIAL EXCAVATION, TO BE MANAGED UNDER CONTAINED-IN DETERMINATION. SOIL CONTAMINATED WITH CHLORINATED SOLVENTS F002 LISTED HAZARDOUS WASTE CLASSIFIED BY WASHINGTON STATE REGULATIONS AS "CONTAINED-IN SOIL"*.

APPROXIMATE LIMITS OF PROPOSED HOT SPOT REMEDIAL EXCAVATION, TO BE MANAGED AS DANGEROUS WASTE. SOIL CONTAMINATED WITH CHLORINATED SOLVENTS F002 LISTED HAZARDOUS WASTE CLASSIFIED BY WASHINGTON STATE REGULATIONS AS "DANGEROUS WASTE"*.

- SB-3: BORING NUMBER
- SOIL SAMPLE WITH cVOC CONCENTRATIONS BELOW MTCA CULs AND/OR LABORATORY REPORTING LIMITS
- SOIL SAMPLE WITH cVOC CONCENTRATIONS EXCEEDING MTCA CULs

0 7
Approximate Scale (Feet)

NOTES:
- PLEASE REFER TO CROSS SECTION LINES ON EXHIBIT 2.

| | |
|---|---|
| Project Mngr: | BAJ |
| Drawn By: | AMP |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 6 |
| Date: | February 2021 |

Terracon
Consulting Engineers and Scientists
21905 64th Avenue W, Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

# CROSS SECTION B-B'

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 6

June 18, 2021

Attn: Mr. Paul Bianco
Washington Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008

Re: **Contained-In Determination Request**
View Ridge Plaza Property
220 Olympic Boulevard
Everett, Washington 98203
Facility/Site ID: 20079
Cleanup Site ID: 12644
VCP Project No.: NW3244
EPA/State ID: WAH000048516

Dear Mr. Bianco:

Terracon Consultants, Inc. (Terracon) has prepared this letter on behalf of VAF 309 W Mukilteo Boulevard, LLC., c/o Catalyst Capital Holdings, LLC., to request a Contained-In Determination (CID) for disposal of soil generated during the remedial excavation activities for the planned redevelopment of the property at 220 Olympic Boulevard, Everett, Washington, Snohomish County Parcel No. 00606200004102 (herein referred to as the Property). This CID request is associated with impacted soil generated at the Property described in Terracon's previous Contained-In Determination Request, dated April 28, 2021 and Ecology's CID Approval Letter, dated June 1, 2021; however, this is a separate request. The soil subject to this CID request is for specific F002 listed chlorinated volatile organic compounds (cVOCs) contaminated soil that has been excavated during cleanup remedial actions at the Property. A Site Diagram is attached as Exhibit 1 of Appendix A.

The Property was previously occupied with various commercial retail businesses, including a dry cleaner. The View Ridge Plaza building, where the dry cleaner was located, is currently being demolished as a part of Property redevelopment. The former dry cleaner operated on the western portion of the Site in the southwest portion of the former on-Property building, from 1960 to 2014. Anecdotal information suggested a spill of tetrachloroethylene (PCE), commonly used as a dry-cleaning fluid, reportedly occurred at the dry cleaner around 1978 and is the assumed PCE source.

Based on the investigations conducted at the Property, PCE-related impacts associated with the historical dry-cleaning operations have been identified in soil and groundwater in the western portion of the Property. Multiple cVOCs were detected in the soil and

groundwater at concentrations above the Washington State Model Toxics Control Act (MTCA) Method A and/or Method B Cleanup Levels (CULs); specifically, PCE and various PCE breakdown products, such as trichloroethylene (TCE), cis-1,2-dicholorethylene (cDCE), trans-1,2-dicholorethylene (tDCE), vinyl chloride (VC), and 1,1-dichloroethylene (1,1-DCE) identified as the Constituents of Concern (COCs). In general, PCE-related impacts have been identified within the immediate vicinity of the former dry-cleaner tenant space at depths ranging from approximately 0 to 22½ feet below ground surface (bgs).

Based on the investigations conducted at the Property, Terracon estimated approximately 610 cubic yards (CY), approximately 1,040 tons, of PCE-impacted soil with concentrations exceeding the Universal Treatment Standards (UTS) for F002 dangerous waste and would require to be managed and disposed as F002 dangerous waste per Washington Administrative Code (WAC) Chapter 173-303. As a part of the Property cleanup and prior to the remedial excavation activities, the soil with elevated concentrations of PCE-related impacts exceeding the UTS was treated in-situ in an effort to reduce concentrations to meet the UTS in accordance with all federal and State rules and regulations. Specifically, the approximately 610 CY of soil with concentrations exceeding UTS were treated in-situ with approximately 10,000 pounds (lbs) of PeroxyChem's Klozur SP. The in-situ treated soil remained in-place until the remedial excavation activities commenced in association with the approximate 610-CY dangerous waste soil and the underlying cVOC-impacted soil managed as a part of the June 1, 2021 CID. Upon beginning the remedial excavation, the in-situ treated soil was first excavated and staged for waste profile characterization sampling in accordance with all federal and State, rules and regulations. The underlying soil managed under the June 1, 2021 CID approval was then excavated between June 10 and June 16, 2021 and transported off-site for disposal in accordance with WAC 173-303 and the June 1, 2021 CID. The approximate area that the 610-CY of dangerous waste soils were excavated from and where they are currently staged are shown on Exhibit 1 of Appendix A. The staged soils subject to this CID request are shown on Exhibit 1 through Exhibit 4 of Appendix A.

For waste characterization purposes, Terracon initially collected 15 three-point composite confirmation soil samples from the approximately 40-foot wide by 65-foot long by 9-foot tall staged soil pile. The analytical results for these samples showed that cVOC concentrations were well below the UTS and could potentially be disposed of under the Contained-In policy. Therefore, Terracon subsequently performed a more representative assessment of the staged soil by collecting 21 discrete confirmation soil samples from various depths within the soil pile. Specifically, Terracon collected the soil samples throughout the staged soil at depths ranging from 2 to 7 feet below the exterior of the staging pile. Locations of the discrete soil samples are depicted on Exhibit 2 of Appendix A. Cross-sections of the staged soil depicting locations and depths of the discrete soil

samples at representative intervals are included as Exhibit 3 and Exhibit 4 of Appendix A.

The analytical results of waste characterization discrete soil sampling have been used to define the waste profile for off-Property disposal. Soil samples were collected using the U.S. Environmental Protection Agency (EPA) Method 5035 and analyzed for Halogenated Volatile Organic Compounds (HVOCs) by EPA Method 8260. A summary of Contained-In Soil Analytical Results is included as Table 1 of Appendix B. The completed laboratory analytical reports are provided as Appendix C.

For the soils subject to this CID request, the highest detected discrete soil sample concentrations of PCE, TCE, cDCE, and tDCE were 5.6 mg/kg, 0.21 mg/kg, 1.5 mg/kg, and 0.096 mg/kg, respectively.

These F002 listed PCE-impacted soils do not designate under federal characteristics (WAC 173-303-090) or State-only criteria (WAC 173-303-100, and meet 40 CFR 268.48 standards. A Summary of Contained-In Soil Analytical Results and Waste Designation Calculations are presented on Table 1 and Table 2 of Appendix B, respectively. Based on the analytical results of staged soil that meets both federal and State Contained-In criteria, Terracon has estimated that approximately 610 loose cubic yards (approximately 1,040 tons) of PCE-impacted soil to be managed under a CID for disposal at an approved Subtitle D Landfill. These soils are currently staged at the area presented on Exhibit 1 through Exhibit 4 of Appendix A.

Terracon respectfully requests that Ecology issue a CID for the estimated 610 loose cubic yards (approximately 1,040 tons) of soil with detectable concentrations of cVOCs that meet the CID criteria, as described above, that has been generated during the planned redevelopment of the Property and concurrence that the soil may be disposed of as non-hazardous waste. The following specific Site information is provided below to facilitate the CID by Ecology:

**Property Address**
220 Olympic Boulevard, Everett, WA 98203

**Property Owner**
VAF 309 W Mukilteo Boulevard, LLC., c/o Catalyst Capital Holdings, LLC.
Mr. Mike Cocco (mcocco@catalystcap.com)
6 Crescent Road, Florham Park, NJ 07932

**Environmental Consultant**
Terracon Consultants, Inc.
Kyle Bennett (kyle.bennett@terracon.com)
21905 64th Avenue West, Suite 100, Mountlake Terrace, WA 98043

**Ecology Site Manager**
Washington Department of Ecology
Chris Maurer (christopher.maurer@ecy.wa.gov)
PO Box 47600, Olympia, WA 98504

**State Identification Numbers**

| | |
|---|---|
| Facility/Site ID: | 20079 |
| Cleanup Site ID: | 12644 |
| VCP Project No.: | NW3244 |
| EPA/State ID: | WAH000048516 |

**Type of Cleanup Action**
The soils generated as a part of the planned earthwork for the remedial action will be completed under the Ecology Voluntary Cleanup Program and in accordance with MTCA.

**Schedule**
Excavation and off-Property disposal of Contained-In soil will begin June 28, 2021, through July 16, 2021.

**Source**
Suspected releases related to historical on-Property dry cleaner operations at the former View Ridge Plaza building. PCE is a common dry-cleaning solvent used extensively in dry cleaning operations.

**Media, Volume, and Waste Code**
Soil with concentrations of PCE and PCE-related cVOCs that meet the Contained-In criteria and do not designate under federal characteristics or State-only criteria will be disposed of at an Ecology-approved Subtitle D Landfill. Approximately 610 loose cubic yards (approximately 1,040 tons) of soil will require disposal under the CID. If the CID for the soil is approved by Ecology, the waste will be considered non-hazardous and dangerous waste codes will not apply. Volumetric estimates are provided on Table A of Appendix B.

**Management and Disposal of Contained-In Soil**
Contained-In soil will be loaded into lined trucks and/or containers for transport. The staged soil will be disposed of off-Property at an Ecology-approved Subtitle D Landfill to

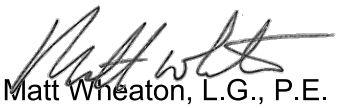
be selected by VAF 309 W Mukilteo Boulevard, LLC., c/o Catalyst Capital Holdings, LLC., in either Washington or Oregon.

Should you have any questions or require additional information, please do not hesitate to contact our office, as needed.

Sincerely,
**Terracon Consultants, Inc.**



Kyle Bennett, G.I.T.
Project Manager



Matt Wheaton, L.G., P.E.
Senior Principal

APPENDICES

Appendix A – Exhibits
- Exhibit 1 – Site Diagram
- Exhibit 2 – Detailed Site Diagram - Staged Soil
- Exhibit 3 – Cross-Section A-A'
- Exhibit 4 – Cross-Section B-B'

Appendix B – Tables
- Table 1 – Summary of Contained-In Soil Analytical Results
- Table 2 – Waste Designation Calculations
- Table A – Estimated Volume of Contained-In Soil

Appendix C – Laboratory Analytical Reports

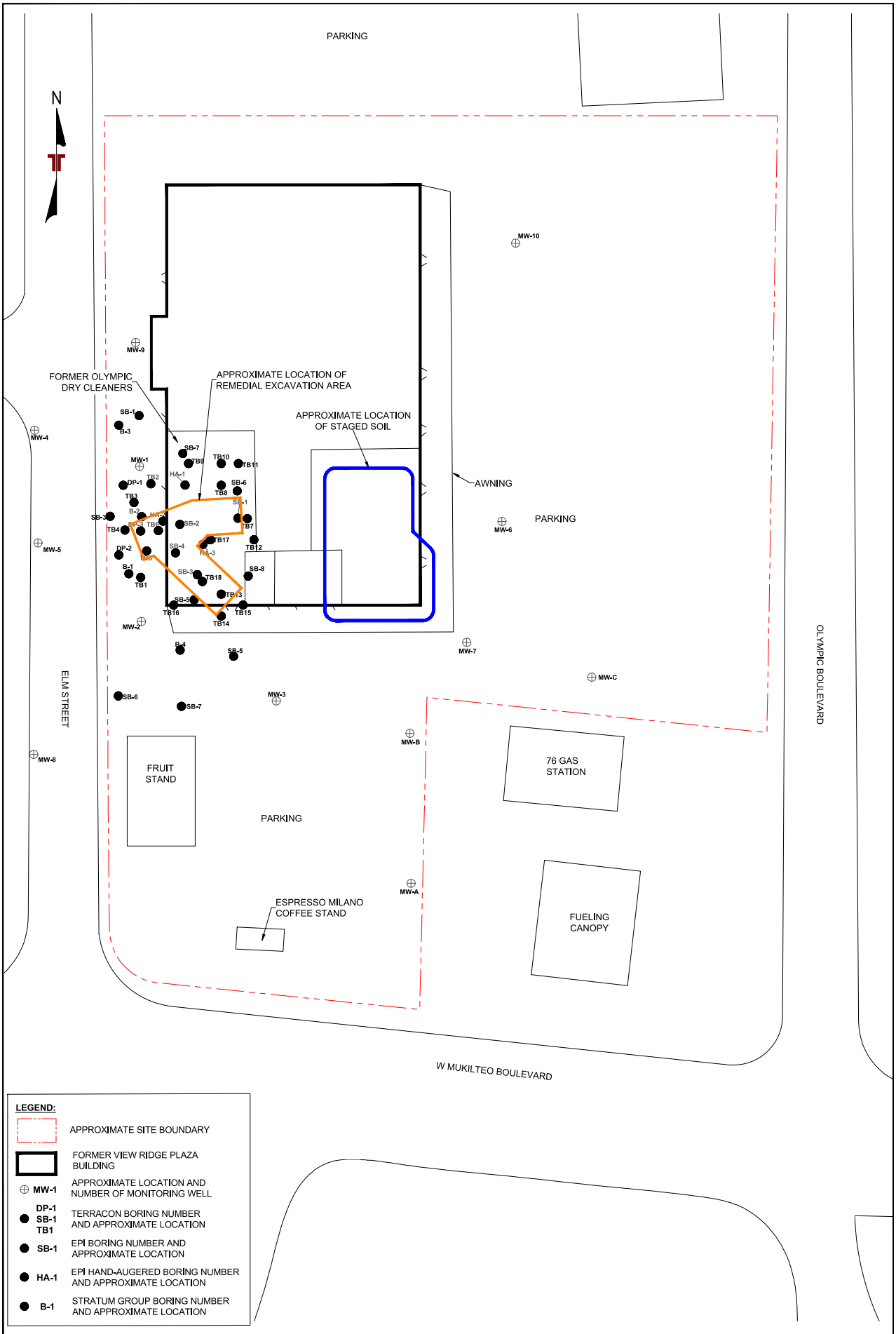
# APPENDIX A – EXHIBITS

Exhibit 1 – Site Diagram

Exhibit 2 – Detailed Site Diagram - Staged Soil

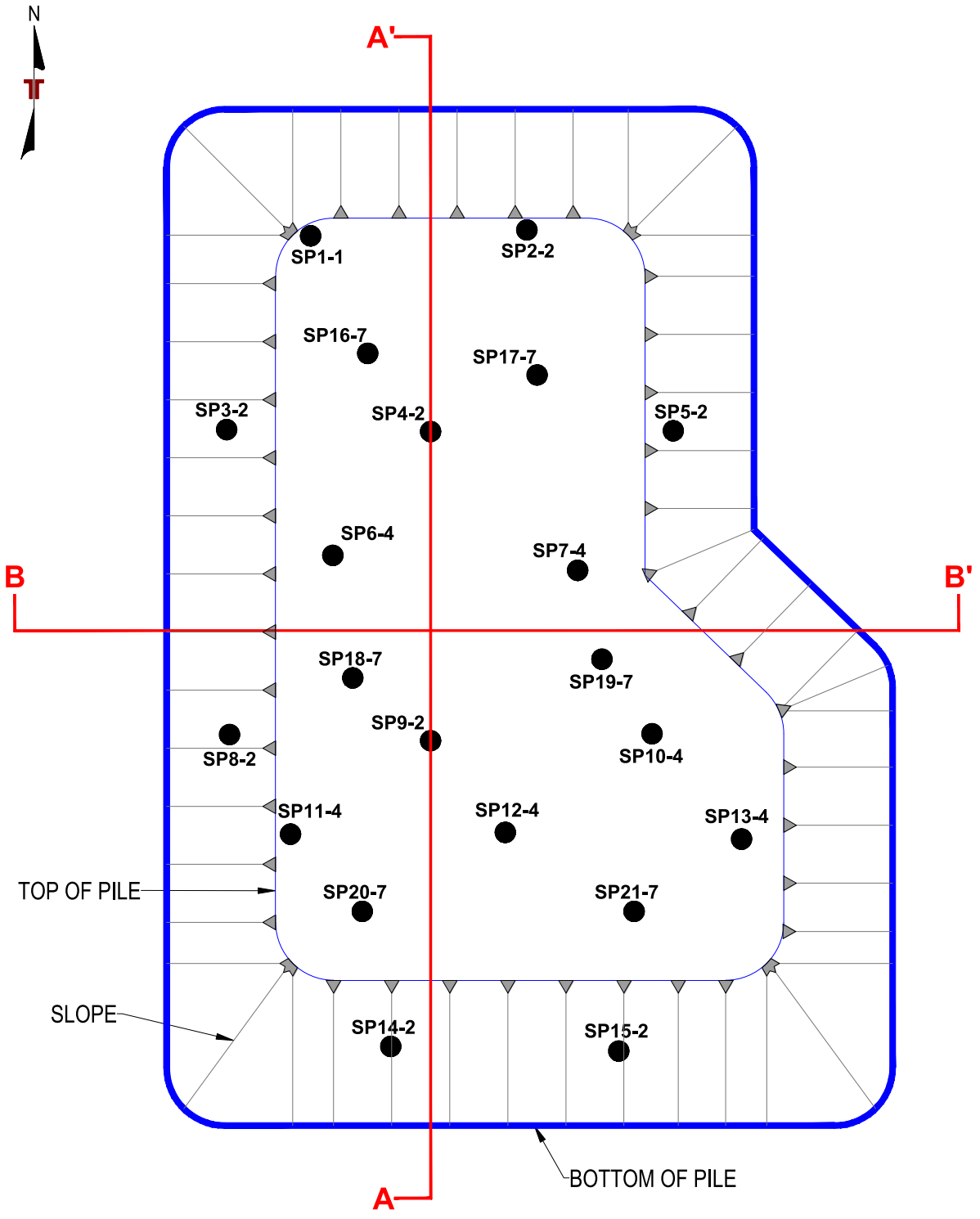
Exhibit 3 – Cross-Section A-A’

Exhibit 4 – Cross-Section B-B’




| | | | |
|---|---|---|---|
| Project Mngr: KSB | Project No. 81207449 | Terracon Consulting Engineers and Scientists | **SITE DIAGRAM** |
| Drawn By: AMP | Scale: AS SHOWN | 21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043 | View Ridge Plaza |
| Checked By: KSB | File No. EXHIBIT 1 | PH. (425) 771-3304 FAX. (425) 771-3549 | 220 Olympic Boulevard |
| Approved By: MYW | Date: June 2021 | | Everett, Snohomish County, Washington |

EXHIBIT 1



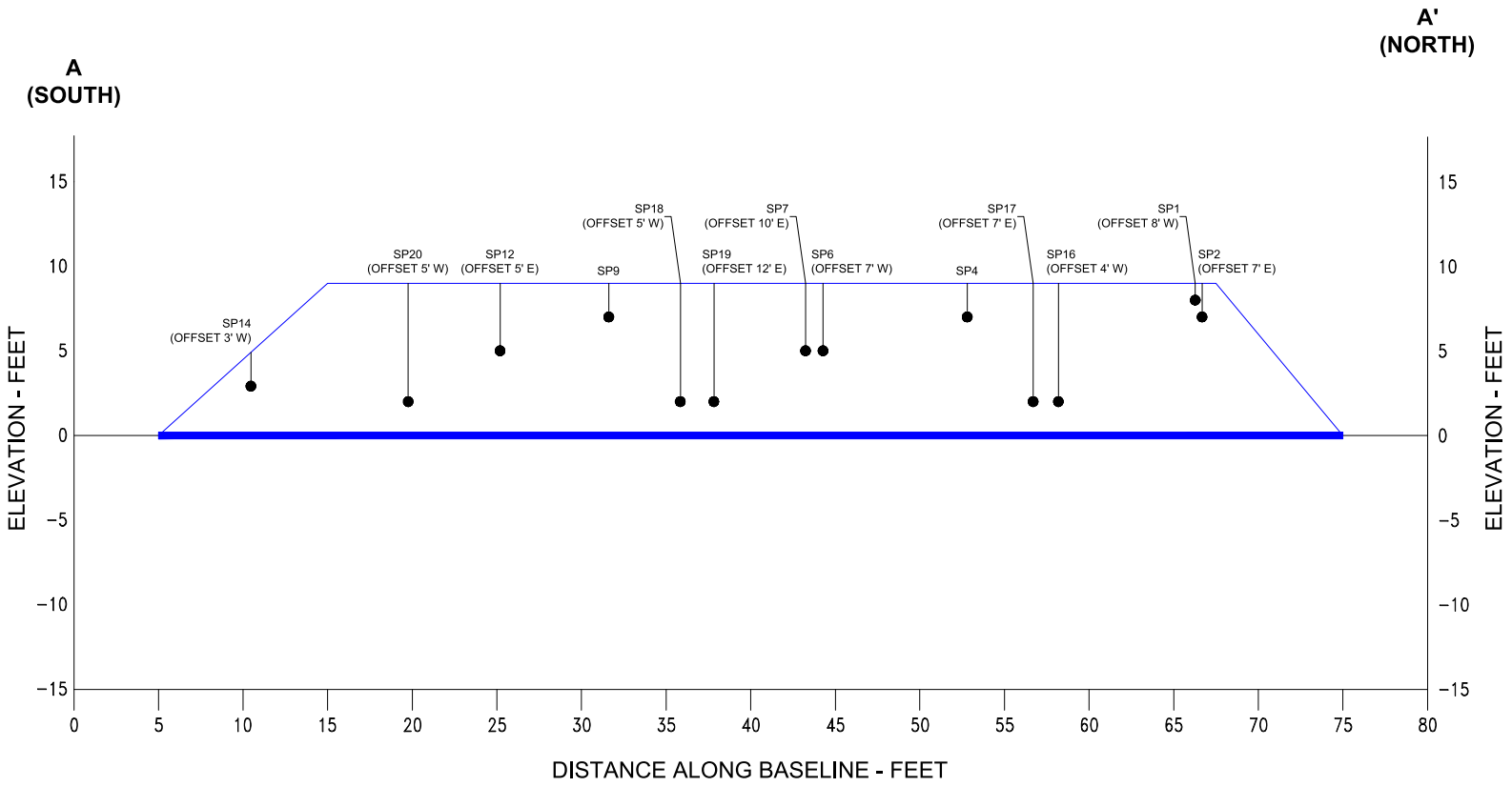

**LEGEND:**

SP1-5 — SOIL SAMPLE NUMBER AND APPROXIMATE DEPTH AND LOCATION

0 7
Approximate Scale (Feet)

| | | | |
|---|---|---|---|
| Project Mngr: KSB | Project No. 81207449 | Terracon Consulting Engineers and Scientists | **DETAILED SITE DIAGRAM - STAGED SOIL** |
| Drawn By: AMP | Scale: AS SHOWN | 21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043 | View Ridge Plaza |
| Checked By: KSB | File No. EXHIBIT 2 | PH. (425) 771-3304 FAX. (425) 771-3549 | 220 Olympic Boulevard |
| Approved By: MYW | Date: June 2021 | | Everett, Snohomish County, Washington |

EXHIBIT 2




**LEGEND:**

- APPROXIMATE LIMITS OF STAGING PILE
- SP1 — SAMPLE NUMBER
- SOIL SAMPLE NUMBER AND APPROXIMATE LOCATION

0 7
Approximate Scale (Feet)

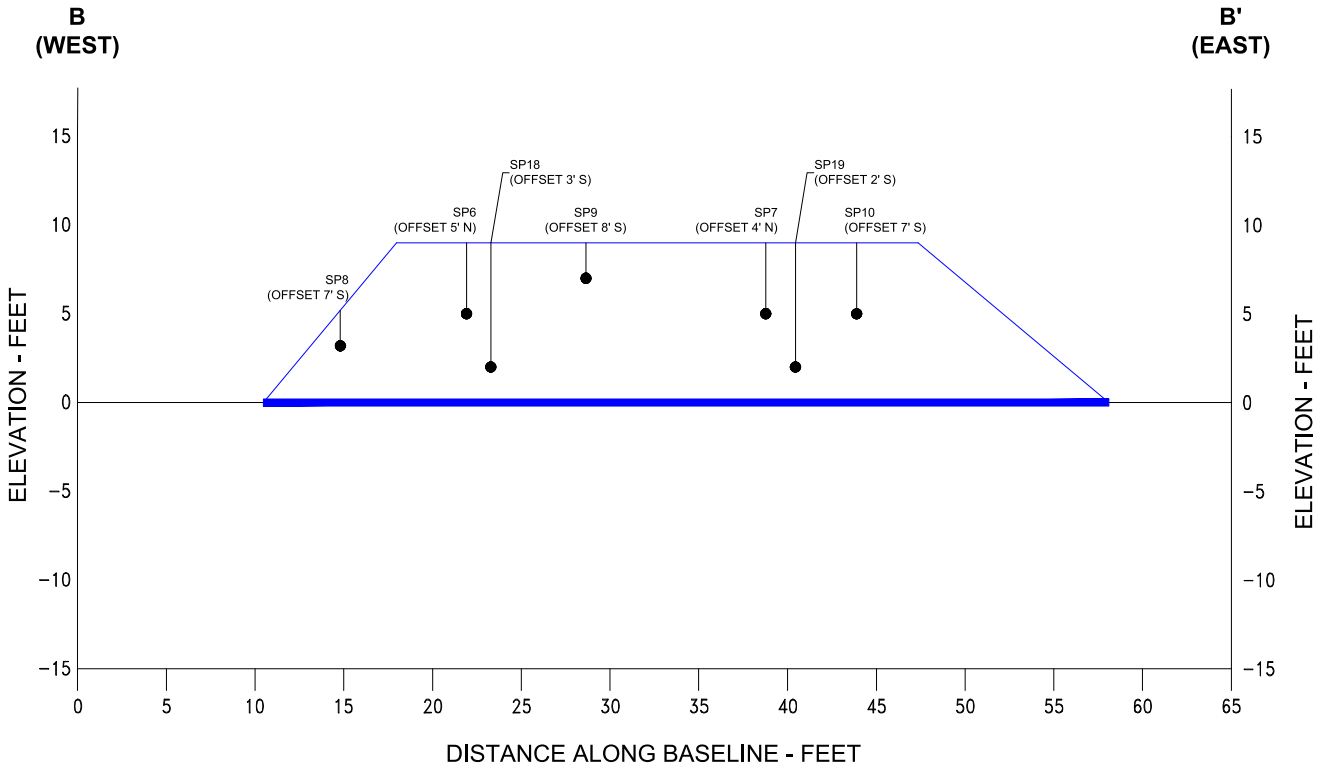
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|---|---|
| Project Mngr: | BAJ |
| Drawn By: | AMP |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 3 |
| Date: | June 2021 |

Terracon
Consulting Engineers and Scientists
21905 64th Avenue W, Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

**STAGING PILE - CROSS SECTION A-A'**

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 3




**LEGEND:**

APPROXIMATE LIMITS OF STAGING PILE

SP1 SAMPLE NUMBER

SOIL SAMPLE NUMBER AND APPROXIMATE LOCATION

0 7

Approximate Scale (Feet)

| | |
|---|---|
| Project Mngr: | BAJ |
| Drawn By: | AMP |
| Checked By: | KSB |
| Approved By: | MYW |
| Project No. | 81207449 |
| Scale: | NOT TO SCALE |
| File No. | Exhibit 4 |
| Date: | June 2021 |

Terracon
Consulting Engineers and Scientists
21905 64th Avenue W, Ste 100 Mountlake Terrace, WA 98043
PH. (425) 771-3304 FAX. (425) 771-3549

## STAGING PILE - CROSS SECTION B-B'

View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington

EXHIBIT 4

# APPENDIX B – TABLES

Table 1 – Summary of Contained-In Soil Analytical Results

Table 2 – Waste Designation Calculations

Table A – Estimated Volume of Contained-In Soil

**TABLE 1**

**SUMMARY OF CONTAINED-IN SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Date | Sample Depth (ft) | VOCs[1] | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Trans-1,2- Dichloroethene (trans-DCE) | Vinyl Chloride (VC) | 1,1- Dichloroethene (1,1-DCE) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | **0.05** | **0.03** | **-** | **-** | **-** | **-** |
| **MTCA Method B Cancer Cleanup Level for Direct Contact** | | | **480** | **12** | **160** | **1,600** | **0.67** | **4,000** |
| **Toxicity Characteristic Leachate Procedure Limit (mg/L)** | | | **0.7** | **0.5** | **-** | **-** | **0.2** | **0.7** |
| **Universal Treatment Standards** | | | **6** | **6** | **-** | **30** | **6** | **6** |
| **Alternative Universal Treatment Standards** | | | **60** | **60** | **-** | **300** | **60** | **60** |
| SP1 | 6/15/2021 | 4 | **0.20** | **0.025** | **0.41** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP2 | 6/15/2021 | 2 | **0.30** | **0.023** | **0.14** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP3 | 6/15/2021 | 2 | **0.076** | ND (<0.02) | **0.12** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP4 | 6/15/2021 | 4 | **0.31** | **0.024** | **0.25** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP5 | 6/15/2021 | 2 | **0.40** | **0.079** | **0.57** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP6 | 6/15/2021 | 4 | **0.37** | **0.030** | **0.24** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP7 | 6/15/2021 | 4 | **0.70** | **0.14** | **1.0** | **0.079** | ND (<0.05) | ND (<0.05) |
| SP8 | 6/15/2021 | 2 | **1.5** | **0.12** | **0.27** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP9 | 6/15/2021 | 2 | **0.12** | **0.030** | **0.20** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP10 | 6/15/2021 | 4 | **1.2** | **0.092** | **0.35** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP11 | 6/15/2021 | 4 | **0.34** | **0.033** | **0.11** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP12 | 6/15/2021 | 4 | **3.7** | **0.16** | **0.31** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP13 | 6/15/2021 | 4 | **5.2** | **0.13** | **0.19** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP14 | 6/15/2021 | 2 | **0.82** | ND (<0.02) | ND (<0.05) | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP15 | 6/15/2021 | 2 | **3.7** | **0.11** | **0.099** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP16 | 6/16/2021 | 7 | **2.1** | **0.15** | **1.0** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP17 | 6/16/2021 | 7 | **1.0** | **0.17** | **1.5** | **0.096** | ND (<0.05) | ND (<0.05) |
| SP18 | 6/16/2021 | 7 | **3.6** | **0.18** | **0.88** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP19 | 6/16/2021 | 7 | **0.78** | **0.073** | **0.64** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP20 | 6/16/2021 | 7 | **5.6** | **0.13** | **0.36** | ND (<0.05) | ND (<0.05) | ND (<0.05) |
| SP21 | 6/16/2021 | 7 | **3.4** | **0.21** | **0.39** | ND (<0.05) | ND (<0.05) | ND (<0.05) |

Note: Values detected above laboratory method reporting limits (MRLs) are in **BOLD** type.
VOCs - Volatile organic compounds
MTCA - Model Toxics Control Act
ND - Not detected above laboratory reporting limit.
1 - See laboratory report for full list of analytes.

# Washington Dangerous Waste Designation Tool

Start here and work your way down. Only enter text in yellow fields.
Only answer questions yes or no.

*View Ridge Plaza Property*
*220 Olympic Boulevard, Everett, WA*

## ..:: DESIGNATION COMPLETE ::..

| Applicable Waste Codes | | |
|---|---|---|
| *Listed* | *Characteristic* | *State-Only* |
| F002 | | |

| LISTED WASTE | Yes / No | Resource Links | | |
|---|---|---|---|---|
| A Is the waste a solid waste? | yes | Table 1 in WAC 173-303-016 | | |
| B Is the waste excluded? | no | WAC 173-303-071 | | |
| 1 Is the waste a product that has not been used or residue from cleaning up of a spill of an unused product? | no | WAC 173-303-081 | | |
| 5 Is the waste or the process producing the waste listed in WAC 173-303-9904? Or is the waste a residual from a clean-up of a spill of these listed wastes? (F,K lists) | yes | WAC 173-303-9904 | F002 | Fill in appropriate waste code(s) to the left |
| 6 **Go to the next step – evaluate Characteristics** | | — | | |

| CHARACTERISTIC WASTE | Yes / No | Resource Links |
|---|---|---|
| 7 Is the waste a liquid with a flashpoint less than 140°F (60°C)? -or- Is the waste an ignitable solid? -or- Is the waste an ignitable gas? -or- Is the waste an oxidizer per 49 CFR 173.127 and 173.128? | no | WAC 173-303-090 (5)<br>49 CFR 173.127<br>49 CFR 173.128 |
| 8 Is the waste a water based liquid with a pH less than or equal to 2.0 or greater than or equal to 12.5? -or- Does the waste liquid corrode steel more than 0.25 in (6.35 mm)/yr? | no | WAC 173-303-090 (6) |
| 9 Is the waste a solid and when mixed with 50% water has a pH less than or equal to 2.0 or greater than or equal to 12.5? | no | WAC 173-303-090 (6) |
| 10 Does the waste have cyanide or sulfide in it? -or- Is the waste water reactive? -or- Is the waste unstable? -or- Is the waste explosive? | no | WAC 173-303-090 (7) |
| 11 Does the waste contain Toxicity Characteristic (TC) constituents from the TC List at a concentration above that listed in the standard? (D list) | no | WAC 173-303-090 (8) |
| 15 **Go to the next step – evaluating for State-Only Toxic Criteria** | | — |

| STATE – TOXIC CRITERIA | Yes / No | Resource Links | | |
|---|---|---|---|---|
| 16 Do you know the toxicity of the entire waste, or some of the components? | yes | WAC 173-303-110 (3) (a) and (b) | | |
| **STARTING POINTS:** **❒Obtain all relevant MSDS of the products that make up the waste** | | | | |
| **❒ Research toxicity data on the following databases: RTECS, ECOTOX, and TOXNET** | | RTECS | ECOTOX | TOXNET |
| 17 **❒ Check in with your regional designation contact if you have questions** | | Regional Contacts | | |
| 18 **❒ Have an analytical laboratory run a fish bioassay if you cannot acquire data anywhere else** | | Chemical Test Methods for Designating Dangerous Waste | | |
| **Complete the table below by entering only the CAS number and percentage by weight of each chemical component in the waste.** **If designating gasoline or diesel products, please use the CAS numbers of the dominant constituents in your waste. Gasoline and diesel products often have varying chemical make-ups and wastes containing them cannot have a singular CAS number assigned for designation purposes.** | | | | |
| 19 **When finished with toxicity... Go the to next step – evaluate for Persistent Criteria** | | | | |

| Chemical | CAS No. | Concentration Weight % | Reference | Fish $LC_{50}$ mg/L | Rat Oral $LD_{50}$ mg/kg | Rat Inhalation $LC_{50}$ mg/L | Rabbit Dermal $LD_{50}$ mg/kg | Toxic Category | Halogenated Organic Compound (HOC)? |
|---|---|---|---|---|---|---|---|---|---|
| | Input CAS number must include dashes, e.g., 108-88-3 | Input as a percent. Include the % sign, e.g., 15.5%. To convert mg/kg to percentage, divide mg/kg by 10,000 (input with % sign). | Toxicity database information is from, e.g., RTECS or EcoTox | < 0.01 | < 0.5 | < 0.02 | < 2 | X | |
| | | | | 0.01 - < 0.1 | 0.5 - < 5 | 0.02 - < 0.2 | 2 - < 20 | A | |
| | | | | 0.1 - < 1 | 5 - < 50 | 0.2 - < 2 | 20 - < 200 | B | |
| | | | | 1 - < 10 | 50 - < 500 | 2 - < 20 | 200 - < 2,000 | C | |
| | | | | 10 - 100 | 500 - 5,000 | 20 - 200 | 2,000 - 20,000 | D | |
| Tetrachloroethylene (Perchloroethylene, PERC) | 127-18-4 | 0.000560% | RTECS and | 5.00 | 2,629.0 | | | C | D,F,P,U,WP,HOC |
| TRICHLOROETHYLENE | 79-01-6 | 0.000021% | RTECS and | 42.00 | 4,920.0 | | 20,000.00 | D | D,F,P,U,WP,HOC |
| Dichloroethene, 1,2-cis- | 156-59-2 | 0.000150% | RTECS, HSDB, | 135.00 | | 16.47 | | C | HOC |
| Dichloroethene, 1,2-trans- | 156-60-5 | 0.000010% | RTECS, HSDB, | 135.00 | 1,235.0 | 28.97 | | D | D,F,P,U,WP,HOC |
| Dichloroethene, 1,1- | 75-35-4 | 0.000000% | RTECS, HSDB, | 29.00 | 200.0 | 7.63 | | C | D,F,P,U,WP,HOC |
| Ethylene, chloro- | 75-01-4 | 0.000000% | RTECS | | 500.0 | | | D | D,F,P,U,WP,HOC |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | |

**Table A. Estimated Soil Volume of Contained-In Soil**

| Waste Codes | Contained-In Media and Area | Estimated Volume of CID Soil (cubic yards) | Estimated Weight[1] |
|---|---|---|---|
| F002 Listed Waste | Soil excavated from and staged at 220 Olympic Boulevard, Everett, Washington, Snohomish County Parcel No. 00606200004102. | 610 | 1,040 |
| Total Estimated Soil for Disposal as Contained-In Soil | | | **1,040 tons** |

Notes: 1) Tonnages calculated assuming a 1.7 conversation factor. Volumes assume a 20% contingency for swell of soil during excavation.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
*Northwest Regional Office • PO Box 330316 • Shoreline, Washington 98133-9716 • (206) 594-0000*
*711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341*

June 22, 2021

Mike Cocco
VAF 309 W Mukilteo Boulevard, LLC
c/o Catalyst Capital Holdings, LLC
6 Crescent Road
Florham Park, NJ 07932

**Re: Contained-In Determination for F002 Contaminated Soils at the View Ridge Plaza Property at 220 Olympic Boulevard, Everett, Washington 98203.**

Reference: 1. Electronic mail and attachment from Kyle Bennett (Terracon Consultants, Inc.) to P. Bianco (Ecology), dated June 18, 2021.

Dear Mike Cocco:

The Washington State Department of Ecology (Ecology) received a contained-in determination request from your environmental consultant, Terracon Consultants, LLC, for specific F002-listed waste perchloroethylene (PCE) contaminated soils excavated following in-situ treatment at the property located at 220 Olympic Boulevard, Everett, Washington.

Analytical data from sampling the soils post-excavation were submitted to Ecology to determine if these soils contaminated with F002- listed dangerous waste constituents may be exempt from management as dangerous wastes per the "Contained-In Policy"[1]. Ecology understands that these contaminated soils do not designate under federal characteristics (WAC 173-303-090) or State-only criteria (WAC 173-303-100).

Based on the information received and reviewed, Ecology has determined that the **1040 tons** of PCE contaminated soils are contaminated with F002 listed dangerous waste constituents (PCE and daughter chemicals) at concentrations that do not warrant management as dangerous wastes. Ecology will not require disposal of these **1040 tons** of PCE contaminated soils as F002-listed dangerous wastes at a RCRA permitted dangerous waste treatment, storage and disposal (TSD) facility, provided that all of the following conditions are implemented. This contained-in determination applies only to the contaminated soils, and does not pertain to contaminated water or any mixture of contaminated soils and fluid.

[1] Washington State Department of Ecology Contained-in Policy, dated February 19, 1993

You or your environmental consultant, Terracon Consultants, LLC, shall:

- Ensure that no standing water is present within the containers or trucks holding the contaminated soils. All water must be removed to the maximum extent possible from each container or truck and managed as F002 dangerous wastes or as otherwise allowed under Chapter 173-303 WAC. Adding bentonite or similar materials to absorb standing F002 listed waste contaminated water in the containers is not allowed. Mixtures of bentonite or similar materials and the listed waste contaminated water must be managed as F002 listed dangerous wastes;

- Directly deliver the soils to a solid waste landfill or transfer station permitted under Chapter 173-351 WAC and/or Chapter 173-350 WAC inside Washington State. If taken directly to the solid waste landfill, no off-loading of the contaminated soils is allowed between the cleanup site and the permitted solid waste landfill; If taken to the transfer station, the intermodal containers from the cleanup site will be loaded on to rail cars, removal of the contaminated soils from the intermodal container at the transfer station is not allowed;

- If you plan to deliver the contaminated soils to a landfill outside Washington State, you must FIRST submit to Ecology written approval for the contaminated soil disposal from the State hazardous waste program and the out of state landfill, **before** the soils are delivered to the out of state landfill.

- If you load the contaminated soils directly onto the truck bed or the contaminated soils are transported in roll-off bins, the truck or the roll-off bins must be lined with plastic and properly covered to prevent leaks, spills or dispersion due to wind.

- Dispose of the contaminated soils at the permitted solid waste landfill by September 30, 2021. This contained-in determination letter is no longer valid after September 30, 2021 and the contaminated soils shall be managed as dangerous wastes after this date;

- Provide copies of all signed solid waste landfill receipts or a certificate of disposal issued by the receiving landfill for these contaminated soils to Ecology, attention of Mindy Collins, by October 30, 2021. This is an important verification step for you and your consultant to follow in order for this Ecology decision to be valid;

- Provide an itemized table of all PCE contaminated soils disposed of under this letter on a monthly basis beginning on June 30, 2021 and ending on September 31, 2021. The table shall include at a minimum the following: date each contaminated soil shipment left the Site; date contaminated soil shipment received by the Ecology approved solid waste landfill; weight of each shipment of contaminated soil; total of all contaminated soil shipments to the Ecology approved solid waste landfill; an approximate percentage of total contained-in soils removed from the site; name and location of the solid waste landfill. This table shall be submitted no later than the last day of each month to Ecology.

- Do not consolidate these contaminated soils with other soils that do not pertain to this contained-in determination;

- Notify Ecology before disposal of the contaminated soil if the amount exceeds the approved amount in this letter. Ecology needs to make sure that the additional soil qualifies for a contained-in determination;

- Ensure that the transporter is properly trained to handle hazardous waste so that the transporter manages the contained-in determination soils during transport in a manner that is protective of human health and the environment;

- Take measures to prevent unauthorized contact with these contaminated soils at all times;

- Provide instructions to the landfill operator that these soils are **not** to be used for daily, intermediate, or final cover;

- Provide copies of all soil analytical data to the landfill operator, upon request; and

- Do not send these contaminated soils to any incinerator, thermal desorption unit or recycling facility unless that facility is a RCRA Subtitle C permitted dangerous waste TSD facility.

Ecology issued this determination based on the information provided and reviewed to date. This Ecology determination will be rescinded if Ecology finds that the information submitted by the property owner or its environmental consultant is materially false, misleading, otherwise does not accurately represent the site conditions, or if the Ecology requirements listed above are not followed.

This written decision only applies to the **1040 tons** of specified PCE contaminated soils stockpiled on site as described in your June 18, 2021 request. It does not apply to any other media. Any data used for this contained-in determination is intended for use in determining the proper disposal of the above stated PCE contaminated soil according to the Washington State Dangerous Waste Regulations (Chapter 173-303 WAC) and Ecology Contained-in Policy. This letter is not an Ecology approval for dangerous waste designation or disposal of contaminated soils that may be generated or already excavated from other areas in this property.

This letter is not a No Further Action (NFA) letter and not written approval for any cleanup action plan you may have submitted. Instead, this letter only addresses the procedures for disposal of the contaminated soils according to the Washington State Dangerous Waste Regulations (Chapter 173-303 WAC). Regulatory decisions regarding the cleanup action, applicable soil and groundwater cleanup levels and any other cleanup issues must comply with the requirements under Ecology Model Toxics Control Act (Chapter 173-340 WAC). Local agencies may have the authority to impose additional requirements on this waste stream.

If you fail to comply with the terms of this letter, Ecology may issue an administrative order and/or penalty as provided by the Revised Code of Washington, Sections 70A.300.090 and/or .120 (Hazardous Waste Management Act).

If you have any questions concerning this letter, please contact me at (425) 324-1850 or cboe461@ecy.wa.gov.

Sincerely,



Christa Colouzis, PE
Corrective Action Unit Supervisor
Hazardous Waste and Toxics Reduction Program

Sent by Certified Mail: 9171 9690 0935 0233 2189 89

ecc: Kyle Bennett, Terracon Consultants Inc.; kyle.bennett@terracon.com
Paul Bianco, Ecology
Greg Caron, Ecology
Mindy Collins, Ecology
Mark Havighorst, Ecology
Chuck Hoffman, Ecology
Chris Mauer, Ecology
Donna Musa, Ecology
Karen Wood, Ecology

# APPENDIX G – MONITORING WELL DECOMMISSIONING REPORT

WASHINGTON STATE DEPARTMENT OF ECOLOGY

# Notice of Intent to Decommission a Well

Notification Number **AE65839**

This form and required fees **MUST BE RECEIVED** by the Department of Ecology **72 HOURS BEFORE** you construct a well.

Submit one completed form for each job site and required fee (check or money order only) to: Department of Ecology Cashiering Unit, P.O. Box 47611, Olympia, WA 98504-7611

**NOTE: Please print. Processing your Notice of Intent may be delayed if all fields are not filled in completely.**

| | | | | |
|---|---|---|---|---|
| 1. Property Owner: Market Place LC | | | Phone Number: | |
| Mailing Address: 220 Olympic Blvd | City: Everett | State: WA | Zip Code: 98203 | |
| 2. Agent (if different from above): Terracon Consultants | | | Phone Number: (425) 771-3304 | |
| Mailing Address: 21905 64th Ave W Ste 100 | City: Mountlake Terrace | State: WA | Zip Code: 98043 | |

3. Well Location

**Tax Parcel Number, Township, Range, Section, ¼, and ¼ ¼ are Required.** Latitude and longitude (if available).

County Name: Snohomish - 31

| Well Site Street Address | City | State | Zip Code |
|---|---|---|---|
| 220 Olympic Blvd | Everett | WA | |

| Tax Parcel Number | Township | Range | Section | ¼ (within 160 acres) | ¼ -¼ (within 40 acres) |
|---|---|---|---|---|---|
| 00606200004102 | 29N | 4E | 36 | NE | SE |

| Latitude Degrees | Latitude Time | Horizontal Collection Method |
|---|---|---|
| | min sec | |
| Longitude Degrees | Longitude Time | |
| | min sec | |

4. Notice of Intent Number of well being decomissioned

Unique Well Tag Number of well being decomissioned (if applicable)

5. Well Type to Decommission: Environmental Protection Well - No Fee — How Many? 3

6. Estimated Decommission Start Date: 4/2/2021 — Project Name: View Ridge Plaza

7. Professional's License Number

| 8. Well Drilling Company Name | Phone Number |
|---|---|
| 9. Well Driller Name | Driller License Number |

10. **Send the entire form.**

Please copy the notification number (located in the upper and lower right corners) and keep in a safe place. Use this reference number when communicating with the Department of Ecology.

| | |
|---|---|
| Water Well : | $50.00 |
| Soil Sampling, Dewatering, Environmental investigation wells: | No Fee |
| All other wells: | $20.00 each |
| Amount Enclosed $ | $0.00 |

This notification number must be provided to your driller:

**AE65839**

**Your validation will be sent to the e-mail address you provided:** maddy.hummer@terracon.com

# APPENDIX H – VIMS PLANS AND REPORTS

# PLANS & SPECIFICATIONS FOR

# VAPOR INTRUSION MITIGATION SYSTEM

# VA CBOC- EVERETT, WA

**220 OLYMPIC BOULEVARD**
**EVERETT, WASHINGTON 98203**

## PROJECT SITE LOCATION




## INDEX OF SHEETS


| | |
|---|---|
| **VIMS-1** | **TITLE SHEET AND GENERAL NOTES** |
| **VIMS-2** | **VAPOR INTRUSION MITIGATION SYSTEM PLAN - LEVEL 01** |
| **VIMS-3** | **VAPOR INTRUSION MITIGATION SYSTEM PLAN - LEVEL 02** |
| **VIMS-4** | **VAPOR INTRUSION MITIGATION SYSTEM DETAILS - MEMBRANE** |
| **VIMS-5** | **VAPOR INTRUSION MITIGATION SYSTEM DETAILS - PIPING** |


NOTICE FOR CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND ALL LOCAL AND STATE REGULATIONS.

THE OWNER AND THE VIMS DESIGNER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND ALL LOCAL AND STATE REGULATIONS.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE VIMS DESIGNER HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE VIMS DESIGNER.

IN CASE OF CONFLICT BETWEEN THESE PLANS AND OTHER SITE DESIGN DOCUMENTS AND/OR MANUFACTURER SPECIFICATIONS / REQUIREMENTS THE APPROPRIATE PARTIES / COMPANIES WITH CONFLICTING DOCUMENTATION SHALL CONFER TO DETERMINE A MUTUALLY AGREED UPON SOLUTION.

**NOTES**

**I. APPLICABILITY**

**A. GENERAL**

1. A PASSIVE VAPOR INTRUSION MITIGATION SYSTEM (VIMS) SHALL BE INSTALLED AND WILL INCLUDE A 60 MIL DRY THICKNESS APPLICATION OF SPRAY-APPLIED ASPHALTIC MEMBRANE UNDERLAIN BY A GAS VENT SYSTEM VENTED AT THE ROOF. THE VIMS IS NOT DESIGNED TO BE CONVERTED TO AN ACTIVE SYSTEM.
2. VIMS DETAILS PRESENTED IN THESE PLANS AND SPECIFICATIONS SHALL BE UTILIZED IN THE CONSTRUCTION OF THE BUILDING DESIGNATED ON SHEETS VIMS-1 THROUGH VIMS-5. THE BASIS OF DESIGN IS A SPRAY-APPLIED MEMBRANE AND ANY ASSOCIATED VENTING MATERIALS AS DESCRIBED IN THESE PLANS. MANUFACTURER REFERENCE TO THESE PRODUCTS ARE PROVIDED BELOW AS APPROVED PROVIDERS OF THE MEMBRANE AND MATERIALS ONLY AND MAY BE SUBSTITUTED FOR EQUIVALENT PRODUCTS IF APPROVED BY THE VIMS DESIGNER. NOTE: LIQUID BOOT 500 IS NOT AN APPROVED EQUIVALENT.

[1] GEO-SEAL®; EPRO SERVICES, INC. (EPRO); TEL: (800) 882-1896; WWW.EPROINC.COM
[2] LIQUID BOOT®; CETCO REMEDIATION TECHNOLOGIES, HOFFMAN ESTATES, IL (714) 384-0111
[3] NITRA-SEAL; LAND SCIENCE TECHNOLOGIES, SAN CLEMENTE, CA (949) 366-8000

3. THE VIMS DESIGN WILL GENERALLY CONFORM TO THE LOS ANGELES BUILDING CODE (LABC) METHANE HAZARD MITIGATION STANDARD PLAN AND TO ANSI/AARST CC-1000 2018 (SOIL GAS CONTROL SYSTEM IN NEW CONSTRUCTION OF BUILDINGS).
4. THE VIMS MEMBRANE WILL ALSO SERVE AS A MOISTURE MEMBRANE AND WILL REPLACE ANY VAPOR OR MOISTURE BARRIER SPECIFIED IN THE STRUCTURAL DETAILS. INSTALLATION OF A MOISTURE OR VAPOR BARRIER BETWEEN THE VIMS MEMBRANE AND BUILDING FLOOR SLAB MAY VOID THE WARRANTY PROVIDED BY THE VIMS MEMBRANE MANUFACTURER.

**B. SYSTEM COMPONENTS**

1. THE VIMS CONSTRUCTION SHALL CONSIST OF, BUT NOT BE LIMITED TO, THE FOLLOWING:
   a. SUPPLY AND INSTALL 4-INCH AGGREGATE LAYER BENEATH FOUNDATION SLAB
   b. SUPPLY AND INSTALL 3-INCH VAPOR COLLECTION PIPING, NON-WOVEN GEOTEXTILE, AND ASSOCIATED FITTINGS
   c. SUPPLY AND INSTALL 4-INCH PVC CONVEYANCE PIPING
   d. SUPPLY AND INSTALL SUB-SLAB VACUUM MONITORING PROBES AND ACCESS PANELS
   e. SUPPLY AND INSTALL 60 MIL ASPHALTIC LAYER
   f. SUPPLY AND INSTALL PROTECTIVE AND BASE GEOTEXTILE LAYERS ABOVE AND BELOW THE ASPHALTIC LAYER, RESPECTIVELY
   g. PERFORM SMOKE AND COUPON TESTING OF THE VIMS MEMBRANE
   h. SUPPLY AND INSTALL SCH. 40 PVC VERTICAL VENT RISER PIPING, SAMPLE PORTS, AND GAS FITTINGS
   i. COMPLETE CONNECTION OF VERTICAL VENT RISER PIPING TO ROOF AS APPROPRIATE
   j. INSTALL ROOF-MOUNTED PASSIVE VENTILATORS
   k. PLACEMENT OF PERIMETER INLET VENTS IN EXTERIOR FOOTINGS AND/OR GRADE BEAMS
2. ALL MATERIALS ARE TO BE DELIVERED TO THE PROJECT SITE IN THEIR ORIGINAL UNBROKEN PACKAGES BEARING THE MANUFACTURER'S LABEL SHOWING BRAND, WEIGHT, VOLUME, BATCH NUMBER AND DATE. MATERIALS ARE TO BE STORED AT THE PROJECT SITE IN STRICT COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

**II. VAPOR INTRUSION MITIGATION SYSTEM**

**A. VAPOR COLLECTION AND VENT SYSTEM**

**A.1 AGGREGATE LAYER**

1. A MINIMUM 4-INCH LAYER OF GRAVEL AGGREGATE SHALL BE PROVIDED BENEATH THE FOUNDATION SLAB. THE AGGREGATE LAYER SHALL MEET ASTM C33 REQUIREMENTS FOR SIZE NUMBER 5, 6, 56, AND 57 AND CONTAIN NO MORE THAN 5% FINES (I.E. ≤5% PASSING #200 SIEVE).
2. A 6.5-INCH DEEP X 12-INCH WIDE VAPOR COLLECTION TRENCH SHALL BE CONSTRUCTED TO CONTAIN THE SUB-SLAB VAPOR COLLECTION PIPING AT LOCATIONS AS SHOWN ON THESE PLANS
3. THE AGGREGATE WILL BE PLACED IMMEDIATELY BELOW THE VAPOR MEMBRANE AND WITHIN THE LINE OF THE TRENCHES FOR THE SUB-SLAB VAPOR COLLECTION PIPING AS SHOWN IN DETAIL 01, SHEET VIMS-5.
4. ANY AGGREGATE REMOVED DURING PLACEMENT OF UTILITIES MUST BE PLACED BACK TO LEVEL GRADE AND COMPACTED AS SPECIFIED IN THE PROJECT PLANS AND SPECIFICATIONS. UTILITIES PLACED IN THE AGGREGATE LAYER MAY NOT BE LARGER THAN 1-INCH IN DIAMETER. UTILITIES LARGER THAN 1-INCH IN DIAMETER MUST BE BURIED INTO THE SUBGRADE SUCH THAT NO MORE THAN 1 INCH OF THE AGGREGATE LAYER IS AFFECTED.
5. THE SUBGRADE UNDER THE AGGREGATE SHALL BE ROLLED SMOOTH AND MOISTURE CONDITIONED AS NECESSARY TO ACHIEVE THE COMPACTION SPECIFIED IN THE GEOTECHNICAL ENGINEER'S SPECIFICATION.

**A.2 SUB-SLAB VAPOR COLLECTION PIPING**

1. SUB-SLAB VAPOR COLLECTION PIPING SHALL BE COMPRISED OF 3-INCH DIAMETER POLY VINYL CHLORIDE (PVC) SLOTTED PIPE, 0.125-INCH WIDE SLOTS AND 0.5-INCH SLOT SPACING OR EQUIVALENT (SEE DETAIL 01, SHEET VIMS-4).
2. VAPOR COLLECTION PIPING SHALL BE INSTALLED AT LOCATIONS SHOWN ON VIMS-2 AND PLACED BELOW THE 4-INCH AGGREGATE LAYER (SEE DETAIL 01, SHEET VIMS-4). GRAVEL PLACED AROUND THE VAPOR COLLECTION PIPING SHALL CONFORM TO THE SPECIFICATIONS IN SECTION A.1.1 OF THIS SHEET. THE GRAVEL TRENCHES SHALL BE LINED WITH A NON-WOVEN GEOTEXTILE (MIRAFI 140N OR EQUIVALENT) FROM THE BOTTOM OF THE TRENCH TO THE BOTTOM OF THE 4-INCH AGGREGATE LAYER.
3. VAPOR COLLECTION PIPING SHALL BE CONNECTED TO 3-INCH SCH. 40 PVC TRANSITION PIPING AND 3-INCH SOLID PVC ELBOWS OR TEES TURNING UP THROUGH THE FLOOR SLAB IN VERTICAL SLAB PENETRATIONS. ALL TRANSITION PIPING SHALL BE IN PLACE PRIOR TO POURING THE FOUNDATION GRADE BEAMS OR FOOTINGS WHEN POURED SEPARATELY FROM THE FLOOR SLAB. THE PIPING TRANSITIONS SHALL BE ACCOMPLISHED IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES AND WITH THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER AND/OR BUILDING OFFICIAL.
4. ANY PVC GLUES USED TO CONNECT SUB-SLAB PIPING SHALL BE LOW-VOC.

**A.3 ABOVE SLAB GAS VENT RISER**

1. VENT RISER TO THE ROOF SHALL BE COMPRISED OF 4-INCH DIAMETER SCH. 40 PVC RISER PIPING AND SHALL BE LOCATED WITHIN THE WALLS/CHASES OR INSTALLED ADJACENT TO INTERIOR SUPPORT COLUMNS.
2. THE RISER PIPE TO THE ROOF SHALL BE FULLY SUPPORTED THROUGH THE ENTIRE HEIGHT OF THE BUILDING WITH PIPE CLAMPS OR SIMILAR, SUCH THAT NO DOWNWARD FORCE (DUE TO THE WEIGHT OF THE RISER PIPE) IS EXERTED ON THE SUB-SLAB VENTING SYSTEM.
3. A 18x18 MEDIUM SECURITY ACCESS PANEL SHALL BE INSTALLED BETWEEN 2 AND 5 FEET ABOVE THE FLOOR SLAB IN ORDER TO ACCESS THE VENT SYSTEM FOR VACUUM MONITORING, AIR FLOW RATE MONITORING, AND/OR SAMPLING (SEE DETAILS 01, 02, & 10, SHEET VIMS-5).
4. THE RISER PIPE SHALL BE EQUIPPED WITH A 4-INCH SHUTOFF GATE VALVE AND A 4"x4"x2" TEE TO BE ACCESSIBLE THROUGH THE ACCESS PANEL (SEE DETAIL 10, SHEET VIMS-5).
5. PLACARDS SHALL BE INSTALLED ON EACH VENT RISER APPROXIMATELY EVERY 5 FEET AND AT ANY EXPOSED RISER PIPING (SEE DETAIL 13, SHEET VIMS-5).
6. A VIMS MEMBRANE IDENTIFICATION SIGN SHALL BE INSTALLED IN UTILITY AND MECHANICAL ROOMS (SEE DETAIL 12, SHEET VIMS-5). THIS SIGN IS TO BE PLACED ON THE WALLS AT EYE LEVEL AND SHALL NOT BE COVERED OVER. THE LOCATION OF THIS NOTIFICATION WILL BE DETERMINED BY THE CONTRACTOR, OWNER, OR BUILDING OFFICIAL.

**A.4 PASSIVE VENTILATOR**

1. A PASSIVE VENTILATOR CAPABLE OF 26 CFM WITH A 4 MPH WIND SHALL BE INSTALLED ON AT THE TOP OF EACH VENT RISER PIPE ABOVE THE ROOF LINE. THE VENTILATORS SHALL INCLUDE BASES, REDUCING COUPLINGS, AND ALL OTHER REQUIRED ACCESSORIES FOR A SECURE CONNECTION TO THE VENT RISER PIPING (SEE DETAIL 14, SHEET VIMS-5).
2. THE AURA AV-04 ROOF VENT IS AN ACCEPTABLE PASSIVE VENTILATOR (SEE DETAIL 11, SHEET VIMS-5). THESE PRODUCTS ARE MANUFACTURED BY ACTIVE VENTILATION PRODUCTS, INC.; 1-800-247-3463; WWW.ROOFVENTS.COM.
3. THE PASSIVE VENTILATORS SHALL BE INSTALLED IN ACCORDANCE WITH INDUSTRY STANDARDS AS RECOMMENDED BY THE MANUFACTURER.
4. RISER PIPES SHALL TERMINATE A MINIMUM OF 24 INCHES ABOVE THE ROOF-LINE, EQUIPPED AND BRACED APPROPRIATELY IN ACCORDANCE WITH APPLICABLE BUILDING CODES (SEE DETAIL 14, SHEET VIMS-5).
5. ROOF-MOUNTED PASSIVE VENTILATORS SHALL BE LOCATED OUTSIDE OF THE WIND SHADOW OF A ROOF PARAPET (SEE DETAIL 01, SHEET VIMS-3) AND AT A DISTANCE OF NOT LESS THAN 10 FEET FROM ANY BUILDING AIR INTAKE AND AT A DISTANCE OF AT LEAST 4 FEET FROM ANY PROPERTY LINE.

**A.5 PERIMETER INLET VENTS**

1. PERIMETER INLET VENTS SHALL BE INSTALLED AT LOCATIONS SHOWN ON SHEET VIMS-2. THE VENTS SHALL CONSIST OF 2-INCH SCH 40 PVC PIPING INSTALLED FROM THE AGGREGATE LAYER TRANSITIONING THROUGH THE FOUNDATION WALLS TO AN EXTERIOR SLOTTED VENT PIPE INSTALLED TO THE EXTERIOR WALL A MINIMUM OF 1-FOOT ABOVE SURFACE GRADE (SEE DETAIL 05, SHEET VIMS-5). PERIMETER INLET VENT PIPING SHALL BE INSTALLED IN-PLACE PRIOR TO CONSTRUCTION OF THE FOUNDATION WALLS.
2. THE TYPE OF THE EXTERIOR VENT PLATE WILL BE APPROVED BY THE ARCHITECT AND VIMS DESIGNER.

**B. VIMS MEMBRANE**

**B.1 MATERIALS**

1. THE VIMS MEMBRANE SHALL CONSIST OF A SPRAYED-ON OR LOCALLY TROWEL APPLIED, ASPHALTIC EMULSION LAYER BETWEEN TWO LAYERS OF PROTECTIVE GEOTEXTILE MATERIAL.
2. INSTALLATION OF THE BASE LAYER AND PROTECTIVE FABRIC SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE VIMS DESIGNER.

**B.2 BASE AND PROTECTIVE LAYERS**

1. THE BASE LAYER SHALL CONSIST OF A CHEMICALLY RESISTANT POLYPROPYLENE GEOTEXTILE MATERIAL SUPPLIED BY THE MANUFACTURER AND APPROVED BY THE VIMS DESIGNER. THE BOTTOM BASE LAYER IS INSTALLED AS A CARRIER FABRIC FOR THE VIMS MEMBRANE.
2. THE UPPER SURFACE OF THE VIMS MEMBRANE SHALL BE PROTECTED BY A MANUFACTURER APPROVED PROTECTIVE GEOTEXTILE LAYER, PLACED BETWEEN THE FLOOR SLAB AND THE MEMBRANE AS SPECIFIED ON THESE PLANS. THE PROTECTIVE LAYER IS INSTALLED AFTER THE APPLICATION, CURING, AND TESTING OF THE ASPHALTIC MEMBRANE.

**B.3 SPRAY-APPLIED ASPHALTIC MEMBRANE**

1. THE VIMS MEMBRANE SHALL CONSIST OF A SPRAY-APPLIED, SINGLE COURSE, HIGH BUILD, POLYMER MODIFIED ASPHALT EMULSION OR EQUIVALENT AS APPROVED BY THE VIMS DESIGNER. THE MEMBRANE SHALL HAVE A MINIMUM CURED (DRY) THICKNESS OF 60 MILS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE VIMS DESIGNER.
2. THE VIMS MEMBRANE SHALL BE PLACED BENEATH THE FLOOR SLAB, FOOTINGS, AND TRENCHES IN ACCORDANCE WITH THESE PLANS AND DETAILS. THE VIMS MEMBRANE SHALL NOT BE PLACED ON TOP OF ANY CONCRETE PIERS OR EXTENDED REBAR.
3. SEAMS SHALL BE OVERLAPPED A MINIMUM OF 6 INCHES AND SEALED IN ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THESE PLANS (SEE DETAIL 05, SHEET VIMS-4).

**B.4 PENETRATION SEALS**

1. WHERE UTILITIES, VENT LINES, PIPING, ELECTRICAL CONDUITS, ETC. PENETRATE THE VIMS MEMBRANE, A 3-INCH COLLAR OF REINFORCEMENT FABRIC AND ASPHALTIC MEMBRANE SHALL BE PROVIDED TO CREATE A GAS-TIGHT SEAL AROUND THE PENETRATION IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AS SHOWN ON DETAIL 03, SHEET VIMS-4.
2. WHERE PENETRATIONS SUCH AS ELECTRICAL UTILITY CONDUITS, PLUMBING PIPING, ETC. ARE CONCENTRATED, A CONCRETE PENETRATION BANK WILL BE CONSTRUCTED TO SECURE THE PENETRATIONS IN-PLACE (SEE DETAIL 4, SHEET VIMS-4). THE PENETRATION BANK SHALL BE CONSTRUCTED USING A MINIMUM THICKNESS OF 12 INCHES OF NON-SHRINK GROUT EXTENDING A MINIMUM OF 8 INCHES FROM ANY PENETRATION, ALLOWING FOR A MINIMUM 6-INCH ATTACHMENT OF THE VIMS MEMBRANE, SIMILAR TO AN ATTACHMENT TO AN INTERIOR FOOTING. THE TOP OF THE PENETRATION BANK SHALL BE BELOW THE BOTTOM OF THE SLAB. PENETRATIONS SHALL NOT BE IN CONTACT WITH ADJACENT PENETRATIONS OR OTHER OBJECTS TO ALLOW PROPER SEALING AROUND THE ENTIRE PENETRATION CIRCUMFERENCE.

**C. VACUUM MONITORING PROBES**

1. SUB-SLAB VACUUM MONITORING PROBES SHALL BE INSTALLED WITHIN THE 4-INCH AGGREGATE LAYER IMMEDIATELY BELOW THE VIMS MEMBRANE (SEE DETAIL 06, SHEET VIMS-5).
2. A 18x18-INCH MEDIUM SECURITY ACCESS PANEL SHALL BE INSTALLED IN AN INTERIOR WALL BETWEEN 2 AND 5 FEET ABOVE THE FLOOR SLAB IN ORDER TO ACCESS THE VACUUM MONITORING PROBES FOR VACUUM MONITORING AND/OR SAMPLING (SEE DETAIL 06, SHEET VIMS-5). THE VACUUM MONITORING PROBES AND VENT RISER SHUT-OFF VALVE AND SAMPLING PORT MAY BE COMBINED INTO A SHARED ACCESS PANEL (SEE DETAIL 08, SHEET VIMS-5).
3. VACUUM MONITORING PROBES SHALL BE SEALED AT THE SAMPLING END WITH A VAPOR TIGHT CONNECTION (SEE DETAILS 08 & 09, SHEET VIMS-5).
4. INSTALL SMALL DIAMETER SEAL AT THE SAMPLING END OF EACH VACUUM MONITORING PROBE TO PREVENT THE PASSAGE OF GASES AND VAPORS INSIDE THE PIPING FROM THE SUBSURFACE TO THE ACCESS PANEL (SEE DETAIL 07, SHEET VIMS-5).

**D. QUALITY ASSURANCE**

1. THE VIMS SUBCONTRACTOR SHALL BE TRAINED AND APPROVED BY THE VIMS MATERIAL MANUFACTURER. THE VIMS SUBCONTRACTOR SHALL PROVIDE THE VIMS DESIGNER WITH A LETTER FROM THE MANUFACTURER (A) CONFIRMING THAT THE VIMS SUBCONTRACTOR RETAINED BY THE OWNER FOR THE PERFORMANCE OF THIS SCOPE OF WORK IS CERTIFIED BY THE MANUFACTURER FOR INSTALLATION OF THE MATERIAL; AND (B) WARRANTING ITS MATERIAL TO BE FREE OF DEFECTS WHEN THAT MATERIAL IS INSTALLED BY THE VIMS SUBCONTRACTOR.
2. A PRE-INSTALLATION CONFERENCE SHALL BE HELD PRIOR TO THE APPLICATION OF THE VIMS MEMBRANE TO COORDINATE PROPER SUBSTRATE AND INSTALLATION CONDITIONS AND PROCEDURES. THE VIMS SUBCONTRACTOR, SITE SUPERINTENDENT, THE FOUNDATION SUBCONTRACTOR, SUB-SLAB UTILITY CONTRACTORS, AND THE VIMS DESIGNER SHALL BE PRESENT AT THIS MEETING.
3. THE INSTALLATION OF THE VIMS MEMBRANE SHALL BE CLOSELY MONITORED BY THE VIMS DESIGNER OR HIS DESIGNATED REPRESENTATIVE. INSPECTIONS SHALL TYPICALLY BE PERFORMED PRIOR TO, DURING, AND SUBSEQUENT TO THE INSTALLATION OF THE VAPOR COLLECTION PIPING AND APPLICATION OF THE VIMS MEMBRANE. IT IS THE RESPONSIBILITY OF THE VIMS SUBCONTRACTOR TO NOTIFY THE OWNER AND VIMS DESIGNER WITHIN 72 HOURS OF BEGINNING ANY PORTION OF THIS WORK.
4. ALL SURFACES TO RECEIVE THE VIMS MEMBRANE TERMINATIONS SHALL BE INSPECTED AND APPROVED BY THE VIMS SUBCONTRACTOR FOR THE PERFORMANCE OF THIS SCOPE OF WORK AND BY THE VIMS DESIGNER PRIOR TO COMMENCING WORK.
5. PRIOR TO PLACING THE FLOOR SLAB OVER THE MEMBRANE, THE VIMS DESIGNER SHALL INSPECT AND APPROVE THE MEMBRANE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. CONSTRUCTION OF THE FLOOR SLAB SHALL NOT PROCEED WITHOUT WRITTEN CERTIFICATION OF THE SUCCESSFUL INSTALLATION BY THE VIMS SUBCONTRACTOR.

**E. SUBMITTALS**

1. THE VIMS SUBCONTRACTOR SHALL SUBMIT ANY UPDATES OR REVISIONS TO THE MANUFACTURER'S MATERIAL DATA AND RECOMMENDED INSTALLATION PROCEDURES TO THE VIMS DESIGNER FOR REVIEW AND APPROVAL AT LEAST ONE WEEK PRIOR TO THE CONSTRUCTION OF THE VIMS MEMBRANE.
2. THE VIMS SUBCONTRACTOR SHALL SUBMIT REPRESENTATIVE SAMPLES OR MANUFACTURER'S PRODUCT SPECIFICATIONS OF THE FOLLOWING TO THE VIMS DESIGNER FOR APPROVAL:
   - VIMS MEMBRANE MATERIALS AND MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES
   - NON-WOVEN GEOTEXTILE FABRIC
   - AGGREGATE MATERIAL
   - VAPOR COLLECTION PIPING
   - VENT RISER PIPING
   - ROOF-MOUNTED PASSIVE VENTILATOR
   - VACUUM MONITORING PROBE MATERIALS AND COMPONENTS
3. AT THE COMPLETION OF INSTALLATION, THE VIMS SUBCONTRACTOR SHALL SUBMIT A LETTER TO THE VIMS DESIGNER AND TO THE OWNER CERTIFYING THAT VIMS INSTALLATION WAS COMPLETED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS AS WELL AS MANUFACTURER SPECIFICATIONS.
4. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COLLECT AND MAINTAIN A DATABASE OF SAFETY DATA SHEETS FROM ALL RELEVANT SUBCONTRACTORS AND THE COMPLETION LETTER FROM THE VIMS SUBCONTRACTOR.

**F. WARRANTY**

1. TERRACON RECOMMENDS THE OWNER OBTAIN A WARRANTY FOR THE VIMS MEMBRANE. THE MANUFACTURER PROVIDES PRODUCT AND/OR SYSTEM WARRANTIES FOR THE VIMS MEMBRANE RANGING FROM ONE YEAR TO 30 YEARS IN DURATION.
2. THE VIMS MANUFACTURER MAY REQUIRE SUBMITTAL OF DESIGN DOCUMENTS, ENVIRONMENTAL REPORTS, GEOTECHNICAL REPORTS, OR OTHER DOCUMENTATION FOR REVIEW PRIOR TO ISSUING A WARRANTY, AND ADDITIONAL COSTS MAY APPLY. PLEASE CONTACT THE SELECTED MANUFACTURER FOR WARRANTY TERMS AND CONDITIONS AND ADDITIONAL INFORMATION.
3. MANUFACTURERS EXTENDED WARRANTIES MUST BE REQUESTED BY THE OWNER PRIOR TO VIMS INSTALLATION BID REQUESTS.

**G. JOB CONDITIONS**

1. THE AREAS ADJACENT TO THE VIMS MEMBRANE ARE TO BE PROTECTED BY THE VIMS SUBCONTRACTOR FOR THE PERFORMANCE OF THIS SCOPE OF WORK DURING THE INSTALLATION PROCESS. WHERE NECESSARY, MASKING OR OTHER PROTECTIVE MEASURES SHALL BE UTILIZED TO PREVENT STAINING OF SURFACES BEYOND THE LIMITS OF THE APPLICATION.
2. WORK IS TO BE PERFORMED ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS ARE WITHIN THE MANUFACTURER RECOMMENDATIONS FOR THE MATERIAL AND PRODUCT USED. THE APPLICATION OF THE VIMS MEMBRANE COMPOUNDS SHALL BE SUSPENDED IF THE AMBIENT TEMPERATURE FALLS BELOW 45° F, OR DURING PERIODS OF PRECIPITATION. APPLICATION OF THE VIMS MEMBRANE MAY BE PERFORMED BELOW 45° F, BUT ONLY WITH WRITTEN PERMISSION FROM THE VIMS DESIGNER AND MATERIAL MANUFACTURER.
3. A MINIMUM CLEARANCE OF 24 INCHES IS REQUIRED FOR A TYPICAL SPRAY APPLICATION OF THE ASPHALTIC LAYER. FOR AREAS WITH LESS THAN 24-INCH CLEARANCE, THE ASPHALTIC LAYER MAY BE APPLIED BY HAND.
4. ALL PLUMBING, ELECTRICAL, MECHANICAL AND STRUCTURAL ITEMS THAT ARE LOCATED BENEATH OR THAT PASS THROUGH THE VIMS MEMBRANE SHALL BE POSITIVELY SECURED IN THEIR PROPER POSITIONS AND APPROPRIATELY PROTECTED PRIOR TO APPLICATION OF THE ASPHALTIC LAYER.
5. THE VIMS MEMBRANE SHALL BE INSTALLED BEFORE PLACEMENT OF REINFORCING STEEL. IF REINFORCING STEEL IS PRESENT AT THE TIME OF APPLICATION, ALL EXPOSED REINFORCEMENT SHALL BE MASKED BY THE FOUNDATION SUBCONTRACTOR PRIOR TO APPLICATION OF THE ASPHALTIC LAYER.
6. REINFORCING STEEL, PIPING, FORMS, ETC. SHALL NOT BEAR DIRECTLY ON THE MEMBRANE OR PROTECTIVE LAYER AND EQUIPMENT SHALL NOT BE DRIVEN OVER THE MEMBRANE OR ITS PROTECTIVE LAYER WITHOUT PRIOR APPROVAL FROM THE VIMS DESIGNER AND MANUFACTURER.
7. STAKES USED TO SECURE THE CONCRETE FORMS SHALL NOT PENETRATE THE VIMS MEMBRANE AFTER IT HAS BEEN INSTALLED. IF STAKES NEED TO PUNCTURE THE MEMBRANE AFTER IT HAS BEEN INSTALLED, THE VIMS DESIGNER AND INSTALLER SHOULD BE NOTIFIED, AND NECESSARY REPAIRS NEED TO BE MADE BY THE VIMS SUBCONTRACTOR.
8. FIELD SITUATIONS NOT SPECIALLY DETAILED SHALL BE HANDLED PER THE INTENT OF THESE PLANS AND SPECIFICATIONS WITH THE APPROVAL OF THE VIMS DESIGNER. THE APPLICATOR / CONTRACTOR MAY SUBMIT SHOP DRAWINGS FOR ALTERNATIVE METHODS. SEE STRUCTURAL FOUNDATION PLANS FOR COMPLETE DEPTHS AND DETAILS OF FOOTING. DEPTHS OF FOOTINGS SHOWN IN THESE PLANS ARE GENERALIZED, ACTUAL FOOTING DEPTHS MAY VARY.
9. APPROPRIATE CARE SHALL BE EXERCISED TO PROTECT THE VIMS MEMBRANE AND PREVENT PENETRATIONS SUBSEQUENT TO ITS APPLICATION. THE VIMS MEMBRANE SHALL BE PROTECTED FROM PEDESTRIAN TRAFFIC WITH THE PROTECTIVE GEOTEXTILE LAYER. THE PROTECTIVE GEOTEXTILE SHALL BE KEPT FREE OF DIRT AND DEBRIS, TO THE EXTENT POSSIBLE, UNTIL THE FLOOR SLAB IS POURED. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT THE VIMS MEMBRANE AND THE PROTECTION SYSTEM ARE NOT PENETRATED AFTER THE COMPLETION OF THE INSTALLATION.

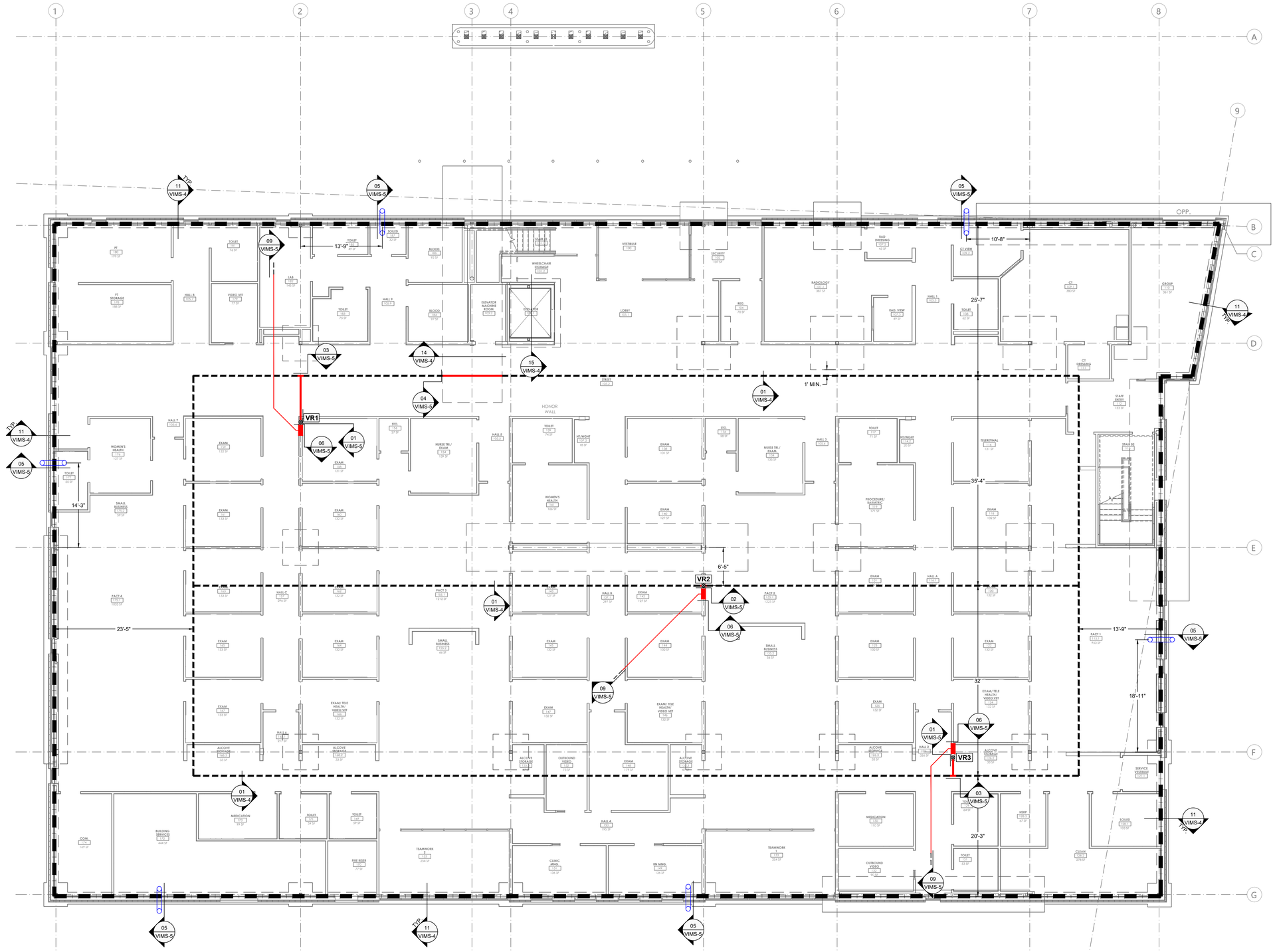
**H. INSTALLATION**

**H.1 VAPOR COLLECTION PIPING INSTALLATION**

1. VAPOR COLLECTION PIPING SHALL BE CONNECTED TO PROVIDE A GAS-TIGHT SEAL AT ALL CONNECTIONS AND FITTINGS AND SHALL BE CONSTRUCTED OF MATERIALS THAT COMPLY WITH THE UNIFORM PLUMBING AND MECHANICAL CODES. ALL JOINTS SHALL BE TIGHTLY SEALED WITH APPROVED MATERIALS. ANY GLUE OR SOLVENT USED TO SEAL THE PIPING MUST BE LOW-VOC.
2. PLACEMENT OF AGGREGATE ABOVE THE PIPING SHALL NOT BEGIN BEFORE THE VIMS DESIGNER HAS INSPECTED THE GRADE AND ALIGNMENT OF THE PIPING, THE BEDDING OF THE PIPING AND THE JOINTS BETWEEN THE PIPING. ALL PIPING LOCATED WITHIN THE AGGREGATE LAYER SHALL BE PROTECTED FROM PHYSICAL DAMAGE.
3. CONVEYANCE PIPING GREATER THAN 10 FEET IN LENGTH SHALL HAVE 1/4-INCH DIAMETER WEEP HOLES DRILLED ON THE BOTTOM OF THE PIPE APPROXIMATELY EVERY 5 FEET.
4. SOLID RISER PIPE SHALL BE LOCATED WITHIN THE WALLS/CHASES OR SHALL BE SIMILARLY PROTECTED FROM PHYSICAL DAMAGE. DAMAGE INCURRED DURING CONSTRUCTION OR OCCUPANCY COULD AFFECT SYSTEM PERFORMANCE.

**H.2 VIMS MEMBRANE AND PROTECTIVE LAYER INSTALLATIONS**

1. THE SUBGRADE SHALL BE MOISTURE CONDITIONED AND COMPACTED BY THE GRADING CONTRACTOR AS SPECIFIED IN THE PROJECT PLANS AND SPECIFICATIONS. THE FINISHED SURFACE SHALL BE SMOOTH, UNIFORM, AND FREE OF DEBRIS AND STANDING WATER. FINAL SUBGRADE INSPECTION/PREPARATION SHALL NOT PRECEDE THE VIMS INSTALLATION BY MORE THAN 72 HOURS.
2. THE AGGREGATE LAYER SHALL BE MOISTURE CONDITIONED AND COMPACTED AS SPECIFIED IN THE PROJECT PLANS AND SPECIFICATIONS.
3. IF THE VIMS MEMBRANE IS TO BE PLACED ON A CONCRETE SURFACE, CONCRETE SURFACES SHALL BE LIGHT BROOM FINISHED OR SMOOTHED, FREE OF ANY DIRT, DEBRIS, LOOSE MATERIAL, RELEASE AGENTS OR CURING COMPOUNDS. ALL VOIDS MORE THAN 1/4-INCH IN WIDTH SHALL BE PROPERLY FILLED WITH NON-SHRINK GROUT OR AS SPECIFIED IN THE PROJECT PLANS AND SPECIFICATIONS. MASONRY JOINTS SHALL BE STRUCK SMOOTH WITH A METAL TROWEL. ALL PENETRATIONS SHALL BE PREPARED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
4. ALL VIMS MEMBRANE PENETRATIONS SHALL BE PREPARED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. WHERE POSSIBLE, ANY FORM STAKES THAT PENETRATE THE VIMS MEMBRANE SHALL BE RE-BAR WHICH SHALL BE BENT OVER AND LEFT IN THE SLAB. HOLLOW CONDUIT STAKES SHALL NOT BE USED.
5. TRENCHES SHALL BE CUT OVERSIZE AS NECESSARY TO ACCOMMODATE INSTALLATION OF THE VIMS MEMBRANE.
6. THE WALLS OF FOOTING OR UTILITY TRENCHES SHALL BE SMOOTH AND FREE OF ROOTS OR PROTRUDING ROCKS.
7. IF ORGANIC MATERIALS WITH POTENTIAL FOR GROWTH (E.G. SEEDS OR GRASSES) ARE PRESENT WITHIN THE SUBGRADE, THE GENERAL CONTRACTOR SHALL APPLY A SOIL STERILANT AT THE MANUFACTURER'S RECOMMENDED RATE PRIOR TO THE INSTALLATION OF THE VIMS MEMBRANE.
8. THE BASE LAYER SHALL FIRST BE LAID ON THE AGGREGATE LAYER IN ACCORDANCE WITH THE MATERIAL MANUFACTURER'S SPECIFICATIONS. ALL SEAMS SHALL BE OVERLAPPED A MINIMUM OF 6 INCHES. ANY OPEN UTILITY OR OTHER TRENCH PRESENT AT THE TIME OF APPLICATION SHALL BE LINED WITH PROTECTIVE BASE LAYER EXTENDING AT LEAST 6 INCHES ONTO THE ADJOINING SUBGRADE. THE BASE LAYER SHALL BE IN INTEG




LEGEND

- 3-INCH I.D. 0.125-INCH SLOTTED SCH 40 PVC VAPOR COLLECTION PIPING
- 3-INCH I.D. SOLID SCH 40 PVC BELOW SLAB CONVEYANCE PIPE
- SUB-SLAB VAPOR PROBE WITH ACCESS PANEL
- EXTENT OF VAPOR INTRUSION MITIGATION SYSTEM MEMBRANE
- PERIMETER INLET VENT
- VR1 ⊗ 4-INCH I.D. VENT RISER TO ROOF LOCATION

N

SCALE IN FEET 0 2 4 8

VIMS MEMBRANE AND VAPOR COLLECTION VENT PIPE LAYOUT 01

SCALE: 1/8" = 1'-0"

ARCHITECT:

CONSULTANT:


Terracon
Consulting Engineers and Scientists
1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780
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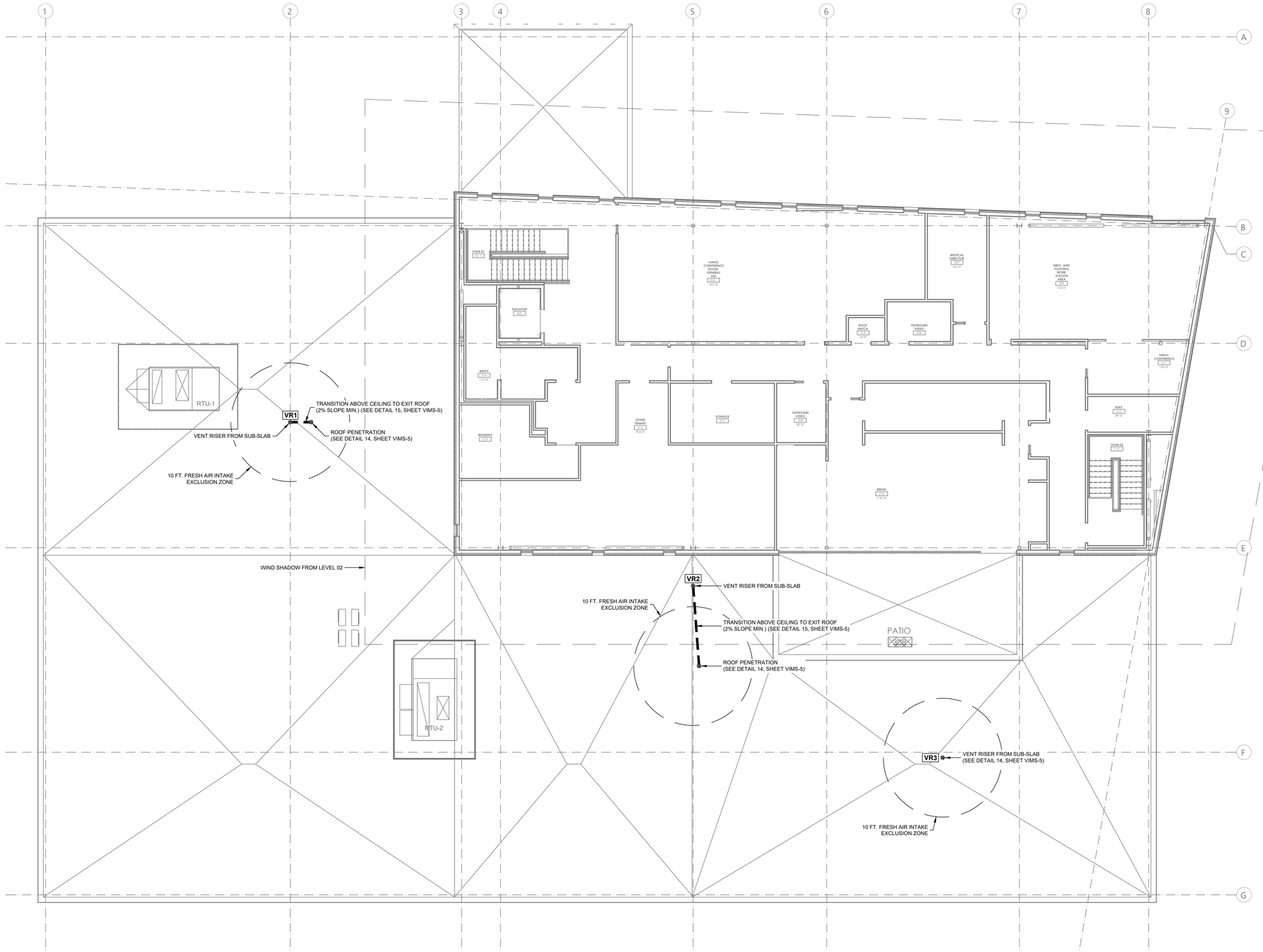
PROJECT: 2014

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DRAWING TITLE:
VAPOR INTRUSION MITIGATION SYSTEM PLAN - LEVEL 01

SHEET NUMBER:
VIMS-2




LEGEND

VR1 ⊗ VENT RISER FROM SUB-SLAB LOCATION

VENT RISER TRANSITION BELOW THE ROOF DECK

N

SCALE IN FEET 0 2 4 8

LEVEL 2 / LOWER ROOF VENT LAYOUT 01

SCALE: 1/8" = 1'-0"

ARCHITECT:

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PROJECT: 2014

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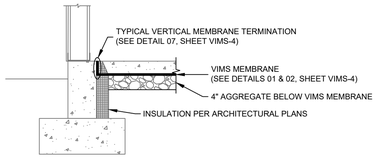
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DRAWING TITLE:

VAPOR INTRUSION MITIGATION SYSTEM PLAN - LEVEL 02

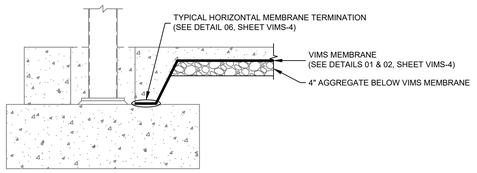
SHEET NUMBER:

VIMS-3



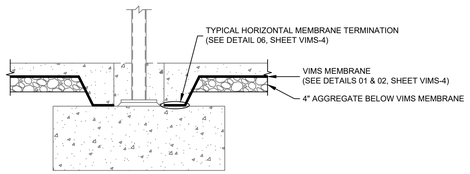

## VIMS MEMBRANE AT TYPICAL STEM WALL 11

NOT TO SCALE; REF: STRUCTURAL DETAIL 11, SHEET S4.01



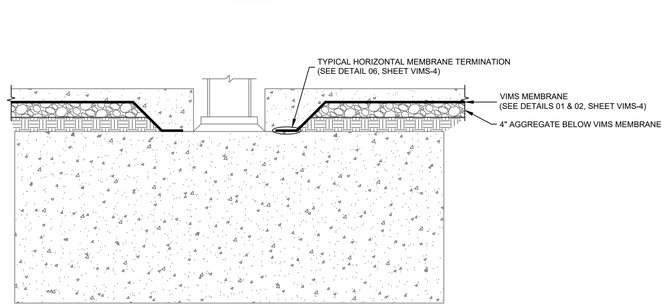

## VIMS MEMBRANE AT TYPICAL COLUMN FOOTING AT SLAB EDGE 12

NOT TO SCALE; REF: STRUCTURAL DETAIL 1, SHEET S4.02



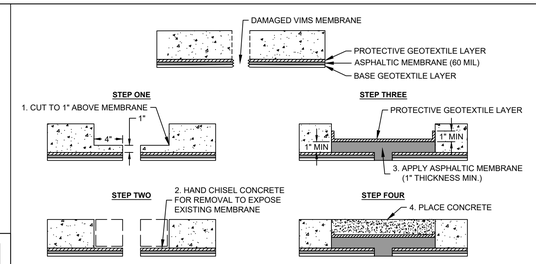

## VIMS MEMBRANE AT TYPICAL COLUMN FOOTING WITH BLOCKOUT 13

NOT TO SCALE; REF: STRUCTURAL DETAIL 12, SHEET S4.02




## VIMS MEMBRANE AT BF FOUNDATION 14

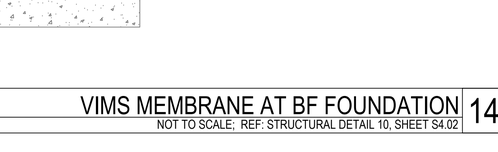
NOT TO SCALE; REF: STRUCTURAL DETAIL 10, SHEET S4.02




NOTES:
1. EXISTING DAMAGE TO BE INSPECTED AND ASSESSED BY VIMS DESIGNER OR CERTIFIED VIMS INSTALLER.
2. STEPS 1 & 2 TO BE PERFORMED BY GENERAL CONTRACTOR.
3. ALL DUE CARE MUST BE USED TO ENSURE HAND-CHIPPED CONCRETE OPERATION DOES NOT PENETRATE OR DAMAGE EXISTING MEMBRANE.
4. STEPS 3 & 4 TO BE PERFORMED BY A CERTIFIED VIMS INSTALLER.
5. STEP 3, APPLY 1" MIN. OF TROWEL GRADE ABOVE NEWLY EXPOSED MEMBRANE AND COVER WITH NEW PIECE OF PROTECTIVE GEOTEXTILE LAYER.
6. STEP 4, CONCRETE TO BE INSTALLED BY OTHERS ACCORDING TO FINISH FLOOR PROJECT SPECIFICATIONS.

## VIMS MEMBRANE REPAIR DETAIL 09

NOT TO SCALE




NOTE:
FLOOR DRAIN LOCATIONS ARE NOT SHOWN ON SHEET VIMS-2. SEE PLUMBING PLANS FOR LOCATIONS.

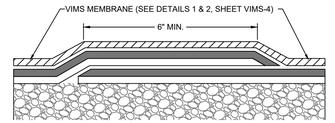
## VIMS MEMBRANE AT TYPICAL FLOOR DRAIN 10

NOT TO SCALE



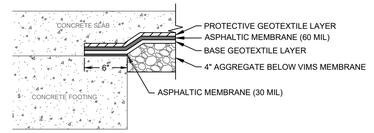

## VIMS MEMBRANE AT ELEVATOR PIT 15

NOT TO SCALE; REF: STRUCTURAL DETAIL 3, SHEET S4.02



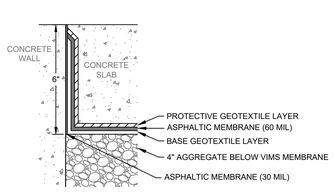

## TYPICAL MEMBRANE TERMINATION OVERLAP 05

NOT TO SCALE



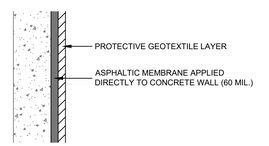

## TYPICAL HORIZONTAL MEMBRANE TERMINATION 06

NOT TO SCALE



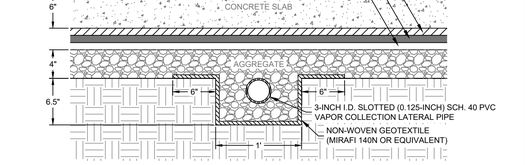

## TYPICAL VERTICAL MEMBRANE TERMINATION 07

NOT TO SCALE



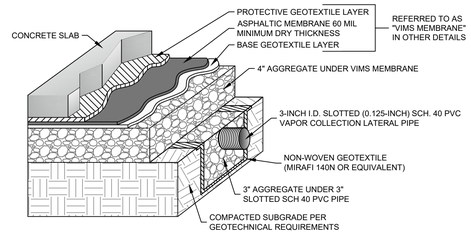

## TYPICAL VIMS MEMBRANE INSTALLATION ON VERTICAL WALL 08

NOT TO SCALE



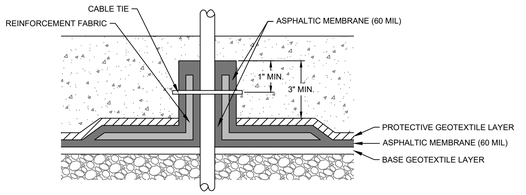

## SUB-SLAB VENT SYSTEM 01

NOT TO SCALE



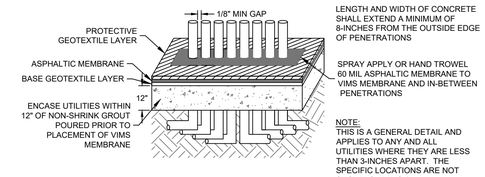

## VIMS MEMBRANE CONFIGURATION 02

NOT TO SCALE




## VIMS MEMBRANE PENETRATION 03

NOT TO SCALE




NOTE:
THIS IS A GENERAL DETAIL AND APPLIES TO ANY AND ALL UTILITIES WHERE THEY ARE LESS THAN 3-INCHES APART. THE SPECIFIC LOCATIONS ARE NOT SHOWN ON VIMS-2.

## PENETRATION BANK 04

NOT TO SCALE

ARCHITECT:

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PH. (949) 261-0051 FAX. (949) 261-6110

VA CBOC - EVERETT, WA

220 OLYMPIC BLVD, EVERETT, WA 98203

PROJECT: 2014

ISSUANCE: DATE:

ISSUED FOR PERMIT 5/24/21

STAMP:

DRAWING TITLE:
VAPOR INTRUSION MITIGATION SYSTEM DETAILS - MEMBRANE

SHEET NUMBER:
VIMS-4



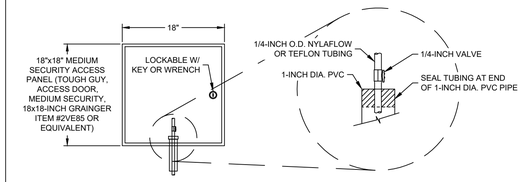

THIS NOTIFICATION IS TO BE INSTALLED IN UTILITY AND MECHANICAL ROOMS AND PLACED ON THE WALLS AT EYE LEVEL AND SHALL NOT BE COVERED OVER.

LOCATION OF NOTIFICATION TO BE DETERMINED BY PROJECT CONTRACTOR, OWNER OR BUILDING OFFICIAL.

SIGN CAN BE PURCHASED AT
http://www.compliancesigns.com/terracon.shtml

## VIMS MEMBRANE IDENTIFICATION SIGN 12

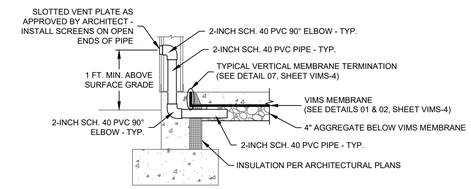
NOT TO SCALE




NOTE:
VENT RISER SAMPLE PORT/SHUTOFF VALVE AND SUB-SLAB VACUUM MONITORING PROBE MAY SHARE ACCESS PANEL.

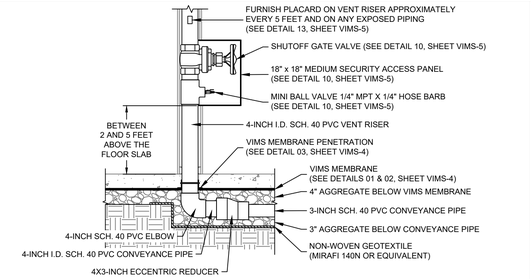
## VACUUM MONITORING PROBE ACCESS PANEL 08

NOT TO SCALE




## PERIMETER INLET VENT 05

NOT TO SCALE; REF: STRUCTURAL DETAIL 11, SHEET S4.01




NOTES:
1. INSTALL RISER PER BUILDING CODE USING HANGERS AND SUPPORTS LOAD RATING ESTABLISHED BY THE PIPE SUPPORT MANUFACTURER.
2. SUPPORT RISER PIPING INDEPENDENTLY FROM THE CONNECTED HORIZONTAL PIPING.
3. HANGER MATERIAL SHALL BE COMPATIBLE WITH THE PIPE MATERIAL IT IS IN CONTACT WITH.
4. ONE SUPPORT FOR EVERY 5 FEET OF VERTICAL PIPE.
5. SHUTOFF VALVE HANDLE AND MINI BALL VALVE SHALL BE INSTALLED SO THAT EACH ARE POSITIONED SIDEWAYS (NOT INWARDS OR OUTWARDS) WHEN FACING THE WALL.

## VENT RISER AT INTERIOR WALL (VR1 & VR3) 01

NOT TO SCALE




PLASTIC STICKER WITH ADHESIVE BACKING.

LARGE LETTERS MIN 1/2" HIGH

RED LETTERS ON WHITE BACKGROUND

3" MIN. REQUIRED

THIS SIGN SHALL BE POSTED ON EACH VENT RISER APPROXIMATELY EVERY FIVE FEET, AND ALSO ON ANY EXPOSED RISER PIPING.

PLACARD CAN BE PURCHASED AT
http://www.compliancesigns.com/terracon.shtml

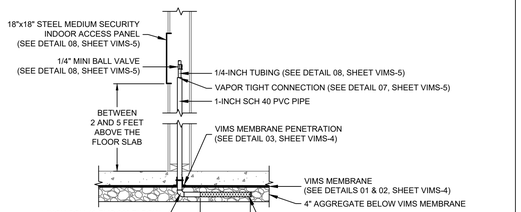
## PLACARD AT VENT RISER OUTLET 13

NOT TO SCALE




## VACUUM MONITORING PROBE END 09

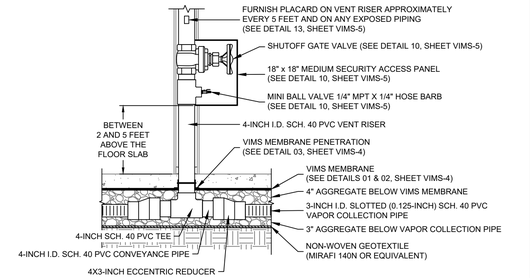
NOT TO SCALE




NOTE:
VENT PIPING SAMPLE PORT/SHUTOFF VALVE AND SUB-SLAB VACUUM MONITORING PROBE MAY SHARE ACCESS PANEL.

## SUB-SLAB VACUUM MONITORING PROBE AND ACCESS PANEL 06

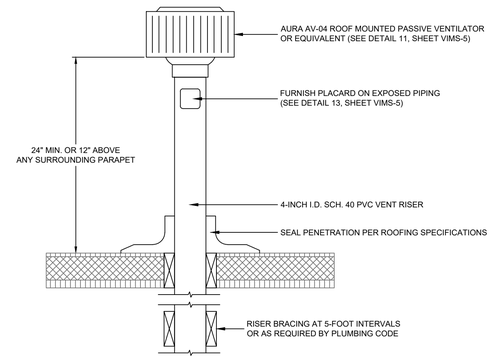
NOT TO SCALE




NOTES:
1. INSTALL RISER PER BUILDING CODE USING HANGERS AND SUPPORTS LOAD RATING ESTABLISHED BY THE PIPE SUPPORT MANUFACTURER.
2. SUPPORT RISER PIPING INDEPENDENTLY FROM THE CONNECTED HORIZONTAL PIPING.
3. HANGER MATERIAL SHALL BE COMPATIBLE WITH THE PIPE MATERIAL IT IS IN CONTACT WITH.
4. ONE SUPPORT FOR EVERY 5 FEET OF VERTICAL PIPE.
5. SHUTOFF VALVE HANDLE AND MINI BALL VALVE SHALL BE INSTALLED SO THAT EACH ARE POSITIONED SIDEWAYS (NOT INWARDS OR OUTWARDS) WHEN FACING THE WALL.

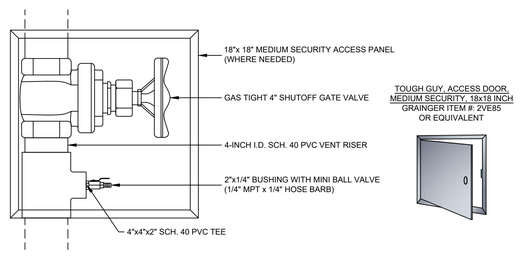
## VENT RISER AT INTERIOR WALL (VR2) 02

NOT TO SCALE




## ROOF PENETRATION DETAIL 14

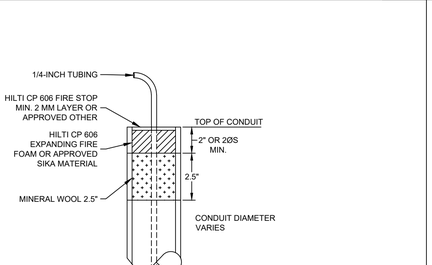
NOT TO SCALE




NOTES:
1. THIS IS A GENERAL DETAIL. LOCATIONS OF ACCESS DOORS TO BE DETERMINED BY OWNER AND VIMS DESIGNER.
2. VENT PIPING SAMPLE PORT/SHUTOFF VALVE AND SUB-SLAB VACUUM MONITORING PROBE MAY SHARE ACCESS PANEL.
3. BOTTOM OF ACCESS PANEL SHALL BE BETWEEN 2 AND 5 FEET ABOVE THE FLOOR SLAB.
4. SHUTOFF VALVE HANDLE AND MINI BALL VALVE SHALL BE INSTALLED SO THAT EACH ARE POSITIONED SIDEWAYS (NOT INWARDS OR OUTWARDS) WHEN FACING THE WALL.

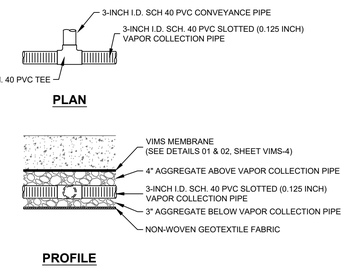
## VENT PIPING SAMPLE PORT 10

NOT TO SCALE



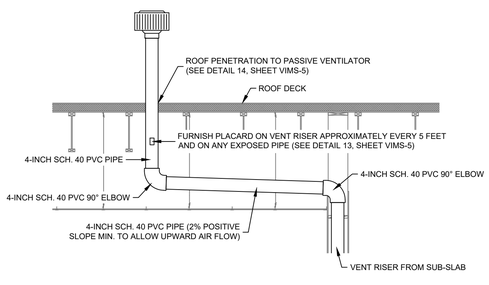

## SMALL DIAMETER SEAL 07

NOT TO SCALE




## VAPOR COLLECTION PIPE TRANSITION TO CONVEYANCE PIPE 03

NOT TO SCALE



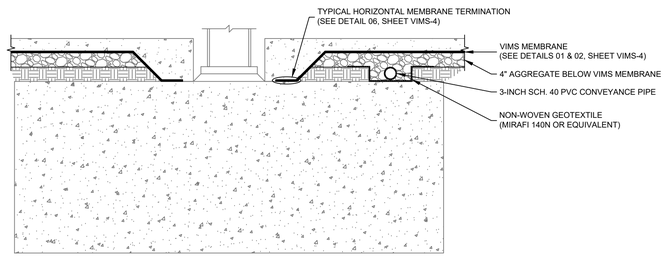

## VENT RISER VERTICAL TO HORIZONTAL TRANSITION BELOW ROOF DECK 15

NOT TO SCALE




## ROOF-MOUNTED PASSIVE VENTILATOR 11

NOT TO SCALE




## CONVEYANCE PIPE AT BF FOUNDATION 04

NOT TO SCALE; REF: STRUCTURAL DETAIL 10, SHEET S4.02

ARCHITECT:

CONSULTANT:

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VA CBOC - EVERETT, WA
220 OLYMPIC BLVD, EVERETT, WA 98203
PROJECT: 2014

| ISSUANCE: | DATE: |
|---|---|
| ISSUED FOR PERMIT | 5/24/21 |

STAMP:

DRAWING TITLE:
VAPOR INTRUSION MITIGATION SYSTEM DETAILS - PIPING

SHEET NUMBER:
VIMS-5

November 19, 2021

Catalyst Capital Holdings, LLC.
712 H Street NE
Washington, DC 20002

Attn: Mr. Mike Cocco

Re: **Vapor Intrusion Mitigation System Under-Slab Assembly Summary Memorandum**
View Ridge Plaza
220 Olympic Boulevard
Everett, Washington
Terracon Project No. 81207449

From: Matt Wheaton, L.G., P.E.
Kyle Bennett, G.I.T.

Dear Mr. Cocco:

Terracon Consultants, Inc. (Terracon) is pleased to provide this Vapor Intrusion Mitigation System (VIMS) Under-Slab Assembly Summary Memorandum for the portion of the VIMS installed at the above-referenced project site to date. The site visits and inspections were performed in accordance with Terracon's proposal P81207449 dated October 02, 2020, the VIMS design dated, May 24, 2021, and the project plans. Our scope for these services included providing on-site inspections to observe that vapor membrane and vapor collection piping components were installed in general accordance with the manufacturer's specifications and the Terracon VIMS design for the project.

The VIMS was designed to mitigate migration of potential soil vapor into the interior of the building, as shown on Terracon's design drawings dated May 24, 2021. The general components of the VIMS is comprised of 4- to 10.5-inches of crushed gravel aggregate, a horizontal vapor collection piping and vertical venting system, and a EPRO®/Geo-Seal® base geotextile layer, 60-mil asphaltic membrane, and protective geotextile layer placed directly beneath the concrete floor slab and sealed to the foundation. Terracon's VIMS design is attached.

Terracon observed and documented the below-slab portions of the VIMS installation from August 12, 2021 to October 4, 2021. Certified inspectors from Terracon observed the crushed aggregate layer, vent piping, and the installation of VIMS asphaltic membrane assembly. The installation was performed by Lizard Waterproofing., an EPRO® and Geo-Seal® certified installer.

Terracon coordinated with Axiom Construction Northwest (Axiom), the general contractor, for scheduling site visits and project updates. In total, Terracon conducted 10 inspection site visits between August 2021 and October 2021, for the pre-construction meeting, contractor meetings,

and the under-slab assembly. Daily field reports, site photos, and a description of site activities were delivered electronically to Axiom and the Client. Copies of Terracon's daily VIMS installation observation transmittals are attached.

The results of all VMS installation observation activities conducted by Terracon indicate that the VIMS under-slab assembly meets the requirements of the manufacturer's specifications and Terracon's VIMS design.

The remaining portion of the VIMS that has yet to be installed includes the above-slab components, which consists of the vent riser piping network, sub-slab monitoring points and associated access panels, and the venting roof completions. The installation date of the above-slab assembly is ultimately determined by the project's construction schedule; however, Terracon anticipates that the VIMS installation will be completed summer 2022.

Attachments: VIMS Design Plans
VIMS Manufacturer Submittal
VIMS Inspection Reports

September 14, 2022

Catalyst Capital Holdings, LLC.
712 H Street NE
Washington, DC 20002

Attn: Mr. Mike Cocco and Mr. Steven Cody

Re: **Vapor Intrusion Mitigation System Above-Slab Assembly Summary Memorandum**
View Ridge Plaza
220 Olympic Boulevard
Everett, Washington
Terracon Project No. 81207449

From: Matt Wheaton, L.G., P.E.
Kyle Bennett, L.G.

Dear Mr. Cocco and Mr. Cody:

Terracon Consultants, Inc. (Terracon) is pleased to provide this Vapor Intrusion Mitigation System (VIMS) Above-Slab Assembly Summary Letter for the portion of the VIMS installed at the above-referenced project site to date. The site visits and inspections were performed in accordance with Terracon's proposal P81207449 dated October 02, 2020, the VIMS design dated, May 24, 2021, and the project plans. Our scope for these services included providing on-site inspections to observe that the vertical vent riser piping, sample ports, and roof-mounted passive ventilators were installed in general accordance with the manufacturer's specifications and the Terracon VIMS Design for the project.

The VMS was designed to mitigate migration of potential soil vapor into the interior of the building, as shown on Terracon's design drawings dated May 24, 2021. The above-slab components of the VIMS consist of 4-inch diameter vent riser piping, roof-mounted passive ventilators, and security access panels which provide access to sample ports for vacuum monitoring, air flow rate monitoring and sampling.

**VMS Above-Slab Assembly Installation Overview**

Terracon observed and documented the above-slab portions of the VIMS installation from February 11, 2022 to August 18, 2022. Certified inspectors from Terracon observed the vent riser piping, roof-mounted passive ventilators, security access panels, sample ports, shutoff valves, and label placards. The installation was performed by Axiom Construction Northwest (Axiom), the general contractor.

Terracon coordinated with Axiom for scheduling site visits and project updates. In total, Terracon conducted four inspection site visits between February 2022 and August 2022, for the above-slab

assembly. Daily field reports, site photos, and a description of site activities were delivered electronically to Axiom and the Client.

Overall, the inspected components were installed in accordance with Terracon's VMS design and the manufacturers specifications for an EPRO®/Geo-Seal® 100 Vapor Intrusion Barrier system.

## General Comments

The design and construction observation services prepared as part of the services herein shall be for the exclusive use and reliance of the client, and shall not be conveyed to third parties without prior written authorization from the client and Terracon. The results, findings, conclusions, and conclusions expressed in this report are based solely on the information reviewed by Terracon and on the conditions that are observed during construction. Terracon does not warrant the work of the installation subcontractor, regulatory agencies, VIMS membrane manufacturer or other third parties supplying information which may have been used in the preparation of this report. No warranty by Terracon, express or implied, is made.

The results, findings and conclusions expressed in this report are based on conditions observed during the soil vapor mitigation system installation. This letter report has been prepared on behalf of and exclusively for use and reliance by the Client. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information, which may have been used in the preparation of this report. No warranty by Terracon, express or implied is made.

## Summary

The results of all VMS installation observation activities conducted by Terracon indicate that the VIMS below- and above-slab assembly meets the requirements of the manufacturer's specifications and Terracon's VIMS design. This concludes the installation of the VIMS.

Attachments: VIMS Design Plans
VIMS Inspection Report

# APPENDIX I – ECOLOGY CORRESPONDENCE

## Dobbins, Jeff W

**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Friday, November 15, 2019 1:56 PM
**To:** Johnson, Beau A
**Subject:** VCP - View Ridge Plaza - revised remedial investigation/feasibility study - conclusion

Beau,

I have reviewed the revised remedial investigation/feasibility study and concur with your choice of limited excavation of contaminated soil with soil amendments in the backfill and installation of horizontal injection wells. Use of the wells to be a contingency if soil contamination is not reduced to below State standards by the other remedial actions. The proposed remedy may include in-situ chemical or biological treatment of the groundwater if the groundwater contamination is not reduced to below State standards. A sampling and analysis plan will be necessary to demonstrate that State standards have been met. Although the final round of groundwater sampling will be quarterly, initial groundwater sampling need not be. If the remedial actions at the site are performed as you propose, it is likely that the site will receive a no-further-action opinion letter from Ecology.

Chris M.

## Dobbins, Jeff W

**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Friday, November 6, 2020 9:43 AM
**To:** Bennett, Kyle S
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review (comments and clarification)

Kyle – thanks. The e-mail was sufficient, a resubmission is not needed. Chris M.

---

**From:** Bennett, Kyle S [mailto:Kyle.Bennett@terracon.com]
**Sent:** Friday, November 06, 2020 8:32 AM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review (comments and clarification)

THIS EMAIL ORIGINATED FROM OUTSIDE THE WASHINGTON STATE EMAIL SYSTEM - Take caution not to open attachments or links unless you know the sender AND were expecting the attachment or the link

Chris,

Hope your week is going well. Just wanted to touch base in regards to the comments you had and our previous email. Please let us know if our response clarified any questions that you had, and if you would like us to revise and resubmit or if the email response sufficient? We understand your schedule is full, so we appreciate your time. Thank you and have a great week.

Cheers,

**Kyle Bennett, G.I.T., CESCL**
**Staff Geologist I Environmental Department**

**Terracon**
21905 64th Avenue West Suite 100 I Mountlake Terrace, WA 98043
P [425] 697-1128 I F [425] 771-3549 I M [360] 913-5649
**Kyle.Bennett@terracon.com I terracon.com**

---

**From:** Bennett, Kyle S
**Sent:** Friday, October 30, 2020 1:24 PM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review (comments and clarification)

Chris,

Thank you for your prompt review and comments, it is greatly appreciated. To clarify, the environmental covenant is intended to include soil and soil vapor only, which would be Option B, as you previously described.

Specifically, at the completion of the remedial action and installation of the replacement groundwater monitoring wells, Terracon assumes four consecutive quarters of groundwater monitoring will be completed and that cVOC concentrations will remain below MTCA cleanup levels. Once groundwater monitoring has demonstrated that COCs in

groundwater are below their respective cleanup levels for four consecutive quarters, Terracon will draft an environmental covenant for review and request opinion from Ecology. In addition, following the installation and completion of the VIMS, performance sub-slab soil vapor sampling will be completed to assess the efficacy of the VIMS.

The environmental covenant will include the preparation of a monitoring and contingency plan that would involve long term groundwater monitoring and sub-slab soil vapor sampling.

Please let us know if this clarifies your question, if so, would you like us to revise and resubmit or is this email response sufficient? Please let us know, thank you and have a great week.

Cheers,

**Kyle Bennett, G.I.T., CESCL**
**Staff Geologist I Environmental Department**

**Terracon**
21905 64th Avenue West Suite 100 I Mountlake Terrace, WA 98043
P [425] 697-1128 I F [425] 771-3549 I M [360] 913-5649
**Kyle.Bennett@terracon.com I terracon.com**

---

**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Tuesday, October 27, 2020 8:59 PM
**To:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Subject:** FW: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review (comments and clarification)

Kyle – I have reviewed the above document and concur with your proposed cleanup action. I have one comment:

1) Section 4.3.4, first paragraph – the paragraph is unclear as to when four rounds of groundwater monitoring are necessary. Clarification - (a) If the covenant that will be used is for soil, groundwater, and soil vapor, an opinion letter for the site may be requested from Ecology following the completion of the excavation and at the same time that the cleanup action (excavation and well installation) report, the draft monitoring plan, and the draft covenant are submitted. It is not necessary to wait until four rounds of groundwater monitoring have been performed provided that the groundwater monitoring of new and old wells, done at the time of the installation of the new wells, does not show off-site travel of the contaminated groundwater. (b) if the covenant that will be used is for soil and soil vapor, then four rounds of groundwater sampling, with all analytical data equal or below State standards, will be necessary. (c) If a covenant has been placed on the site groundwater, or includes the site groundwater, then four rounds of groundwater sampling, with all analytical data equal or below State standards, will be necessary to have groundwater removed from the covenant.

Chris M.

---

**From:** Bennett, Kyle S [mailto:Kyle.Bennett@terracon.com]
**Sent:** Tuesday, October 20, 2020 4:57 PM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

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Chris,

I trust you are doing well. Per our previous discussion, please see the attached and link to the revised Cleanup Action Plan for your review: https://terracon.sharefile.com/d-s1c45b6f85e14fc0b

If you would like, we can send a hard copy as well. Please let us know if you have any questions, thank you.

Cheers,

**Kyle Bennett, G.I.T., CESCL**
**Staff Geologist I Environmental Department**

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**Kyle.Bennett@terracon.com I terracon.com**

---

**From:** Bennett, Kyle S
**Sent:** Thursday, September 10, 2020 1:40 PM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

Chris,

Please see my comments below in red, thank you.

1) The date and time are fine. We will schedule a MS Teams meeting.
2) Who will be on the call besides yourself? Matt Wheaton and I.
3) Will the proposed environmental covenant cover both soil and groundwater or just groundwater? Soil and groundwater.
4) For an environmental covenant, it is important to show that the contaminated groundwater is confined to the property and does not cross the property boundary. Compliance groundwater monitoring will be a part of the remedial action. Ongoing groundwater monitoring has not identified off-property impacts.
5) The groundwater monitoring plan is separate from the environmental covenant, not part of the covenant. That is correct and our intentions
6) Rather than a revised FS/CAP, I suggest a revised cleanup action plan only. As a VCP site, you are free to modify a cleanup action plan as necessary.

Thank you again and have a great week. Please let us know if you have any questions.

Cheers,

**Kyle Bennett, G.I.T., CESCL**
**Staff Geologist I Environmental Department**

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**Kyle.Bennett@terracon.com I terracon.com**

---

**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Thursday, September 10, 2020 10:56 AM
**To:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

Kyle,

1) The date and time are fine.
2) Who will be on the call besides yourself?
3) Will the proposed environmental covenant cover both soil and groundwater or just groundwater?
4) For an environmental covenant, it is important to show that the contaminated groundwater is confined to the property and does not cross the property boundary.
5) The groundwater monitoring plan is separate from the environmental covenant, not part of the covenant.
6) Rather than a revised FS/CAP, I suggest a revised cleanup action plan only. As a VCP site, you are free to modify a cleanup action plan as necessary.

Chris M.

---

**From:** Bennett, Kyle S [mailto:Kyle.Bennett@terracon.com]
**Sent:** Thursday, September 10, 2020 9:29 AM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

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Chris,

As I mentioned previously, the current remedial action, as described in our cleanup action plan approved by Ecology, provided for the complete removal of impacted soils, backfill with a remedial amendment, and installation of injection wells for future in-situ treatment, as warranted. Unfortunately, as we have worked through the details with our client's earthwork contractor and because of the elevated chlorinated solvent concentrations in unsaturated soil that may require pre-treatment by a TSD prior to disposal, the associated costs for approved cleanup have become, in our opinion, disproportionately cost-prohibitive. However, we are exploring an alternative that was also included in the Cleanup Action Plan; source removal, in-situ treatment of residual groundwater impacts, implementation of a sub-slab vapor mitigation system, and the implementation of an Environmental Covenant (with periodic groundwater monitoring as a component of the EC).

Before we just dove into this effort though, we felt it would be appropriate to have a call to discuss this alternative and how we might present this to Ecology; either in a revised FS/CAP, addendum, etc. We are available **Tuesday September 15th at 1:00 PM** for a call, please let us know if this time doesn't work, otherwise we will send out a meeting invite.

We appreciate your time and look forward to speaking with you. Please let me know if you have any questions, thank you.

Cheers,

**Kyle Bennett, G.I.T., CESCL**
**Staff Geologist I Environmental Department**

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**Kyle.Bennett@terracon.com I terracon.com**

**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Thursday, September 3, 2020 9:59 PM
**To:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

Kyle – any time next week (9/8 – 11/2020) will work except Monday. Chris M.

---

**From:** Bennett, Kyle S [mailto:Kyle.Bennett@terracon.com]
**Sent:** Thursday, September 03, 2020 11:46 AM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

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Chris,

Wanted to touch base and provide an update on this project. I tried calling your office for a quick call, but your voicemail says the week of March 2nd, so I figured I would follow up with an email. As the cleanup portion of this project has developed the, associated costs have increased quite a bit and the client is looking for potential alternatives. We wanted to see if you were available for a quick call to discuss some of the proposed alternatives and how we might present that to you, either in a revised FS/CAP, addendum, etc. Please let me know if you have any questions and feel free to reach out to either myself or Matt.

Thank you and have a great week.

Cheers,

**Kyle Bennett, G.I.T., CESCL**
**Staff Geologist I Environmental Department**

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**Kyle.Bennett@terracon.com I terracon.com**

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**From:** Bennett, Kyle S
**Sent:** Wednesday, July 8, 2020 6:07 AM
**To:** 'Maurer, Christopher (ECY)' <cmau461@ECY.WA.GOV>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

Chris - the email works for us, thank you!

**Kyle Bennett, G.I.T., CESCL**
**Staff Geologist I Environmental Department**

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P [425] 697-1128 I F [425] 771-3549 I M [360] 913-5649
**Kyle.Bennett@terracon.com I terracon.com**

**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Tuesday, July 7, 2020 1:48 PM
**To:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

Kyle – if your client will accept it, my June 11, 2020 e-mail will be sufficient. I can prepare a formal letter, 20 – 30 pages in length, if your client needs one but it will take some time to prepare. Chris M.

---

**From:** Bennett, Kyle S [mailto:Kyle.Bennett@terracon.com]
**Sent:** Tuesday, July 07, 2020 10:51 AM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** RE: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

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Chris,

I hope you had a good weekend with friends and family. Our client was wondering if there will be a formal opinion letter for the CAP review or will your email below be sufficient? Please let us know, thank you.

Cheers,

**Kyle Bennett, G.I.T., CESCL**
**Staff Geologist I Environmental Department**

**Terracon**
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**Kyle.Bennett@terracon.com I terracon.com**

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**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Thursday, June 11, 2020 12:56 PM
**To:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Subject:** FW: VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

Kyle – I have reviewed the above document and have the following comment:

1) The final paragraph of page 13 refers to a groundwater monitoring plan. Is this a separate plan that will be submitted at a later date?

Otherwise, you may proceed with the cleanup action plan as described.

Chris M.

---

**From:** Bennett, Kyle S [mailto:Kyle.Bennett@terracon.com]
**Sent:** Monday, March 23, 2020 9:59 AM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>

**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** VCP NW3244 - View Ridge Plaza - Cleanup Action Plan Review

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Chris,

I hope all is well amidst all the chaos. Please see the following link to the View Ridge Plaza Cleanup Action Plan ready for your review and opinion: https://terracon.sharefile.com/d-s676032177924e859

We have also mailed hard copies of the report to you for your records. Please let us know if you have any questions, thank you.

Cheers,

**Kyle Bennett, G.I.T., CESCL**
**Staff Geologist I Environmental Department**

**Terracon**
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**Kyle.Bennett@terracon.com I terracon.com**

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

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*Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access the hyperlink, please e-mail sender.*

October 14, 2021

Attn: Mr. Steven Cody and Mr. Mike Cocco
Catalyst Capital Holdings, LLC
1800 Avenue of the Stars, Suite 1475
Los Angeles, California 90067

and

Mr. Chris Mauer
Washington Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008

Re: **Memorandum - Groundwater Monitoring Well Replacement**
View Ridge Plaza
220 Olympic Boulevard
Everett, Snohomish County, Washington 98203
Terracon Project No. 81207449
Cleanup Site ID: 12644 / Facility Site ID: 20079

From: Matt Wheaton, P.E., L.G.
Kyle Bennett, G.I.T.

Dear Mr. Cody, Mr. Cocco, and Mr. Mauer,

Terracon Consultants, Inc. (Terracon) has prepared this Groundwater Monitoring Well Replacement Technical Memorandum (Memo) in an effort to update the Washington State Department of Ecology (Ecology) regarding recent remedial actions completed at the Site and to seek concurrence from Ecology regarding the locations and well construction details of four replacement groundwater monitoring wells. It should be noted that the remedial actions performed to date were completed in general accordance with Terracon's *Revised Cleanup Action Plan* (CAP), dated October 20, 2020. Terracon's CAP, which was approved by Ecology, included installation of replacement wells and subsequent sampling; however, the locations and construction details were dependent upon the efficacy of the cleanup as proposed in October 2020.

*Project Information*

Beginning in April 2021, the former View Ridge Plaza building was demolished and various cleanup action activities, including the remedial excavation, commenced in preparation of the redevelopment of the site with an approximately 29,000-square-foot, multi-story commercial building.

The remedial action activities completed at the site between April 15 and June 23, 2021 and included pre-remedial action groundwater and soil sampling, in-situ treatment of dangerous waste soil, remedial excavation and confirmation soil sampling, and backfill with a remedial amendment and installation of horizontal remedial injection wells (to be used as needed). Groundwater monitoring wells MW-1, MW-2, MW-7, and MW-9 were decommissioned in accordance with Washington State regulations in April 2021. Groundwater monitoring wells MW-3 through MW-6, MW-8 and MW-10 were preserved and will be sampled during future events, if warranted.

Cleanup activities completed at the Site will be summarized in Terracon's *Interim Remedial Action Report* (IRAR), which is currently in draft. As a brief summary, approximately 2,650 tons of cVOC-impacted soils were removed and disposed off-site. Groundwater was not observed to infiltrate the excavation. Two areas of residual cVOC-impacted were left in-place, along the western and southeastern portions of the excavation, due to access limitations (i.e., slope stability and utilities). Following excavation activities, Terracon returned to the site to further characterize the areal extent of the in-place soil impacts by advancing 10 soil borings and collecting soil samples from each boring. Based on the existing soil data and results from the recent soil characterization sampling activities, it is Terracon's opinion that the vertical and lateral extent of the in-place soil impacts have been defined. Specificaly, approximately 14 cubic yards of cVOC-impacted soil remains in the western portion of the excavation (at depths ranging from 11 to 17 feet under the existing site surface) and approximately 4 cubic yards of cVOC-impacted soil remains in the southeastern portion of the excavation (at depths ranging from 4 to 7 feet below the existing site surface). A Site Diagram depicting the approximate limits of the remedial excavation and locations of residual soil impacts exceeding Model Toxics Control Act (MTCA) cleanup levels is appended to this report.

As a part of the approved CAP, and this Memo, Terracon plans to install four replacement groundwater monitoring wells at the following locations based on the data from the remedial excavation and with consideration of the Site redevelopment plan. The locations of proposed groundwater monitoring wells are depicted on Exhibit 1 attached and described below:

- MW-11 is located adjacent to former well MW-1, where elevated concentrations of vinyl chloride have been historically detected in groundwater and define the extent to the northwest;
- MW-12 is located adjacent to former well MW-2, southwest of the remedial excavation and define the extent to the southwest;
- MW-13 is located within the western portion of the remedial excavation in the immediate vicinity of the residual soil impacts near the sanitary sewer line; and,
- MW-14 is located at the southeastern portion of the remedial excavation in the immediate vicinity of the residual soil impacts near the Dog Wood Elm Creek culvert.

*Replacement Groundwater Monitoring Wells and Sampling*

Terracon will oversee the advancement of four soil borings on-Site by a subcontracted Washington State-licensed driller utilizing a track/truck mounted direct push technology (DPT) drill rig. The monitoring well borings will be advanced to anticipated maximum depths of 20 feet below ground surface (bgs). Soil will be observed to document subsurface conditions and visual or olfactory indications of impacts. Terracon will collect one soil sample from each boring, as detailed in Terracon's October 2020 CAP.

Upon completion, the four borings will be converted to permanent groundwater monitoring wells (MW-11 through MW-14) to facilitate the collection of groundwater samples and quarterly monitoring. The anticipated well construction will be completed in accordance with WAC Chapter 173-160, *Minimum Standards for Construction and Maintenance of Wells*, as detailed below:

- 15 feet of two-inch diameter, 0.010-inch machine slotted poly vinyl chloride (PVC) well screen with a threaded bottom cap;
- 5 feet of two-inch diameter, threaded, flush-joint PVC riser pipe to surface; and
- Pre-sieved 10/20 grade silica sand for annular sand pack around the well screen from the bottom of the boring to approximately two-feet above the top of the well screen interval and overlain by hydrated bentonite chips and concrete; and
- A lockable plug secured with a ground surface flush monument plate.

To establish a groundwater gradient a State of Washington-licensed surveyor will be contracted to survey the top-of-casing (TOC) elevations of each groundwater monitoring well.

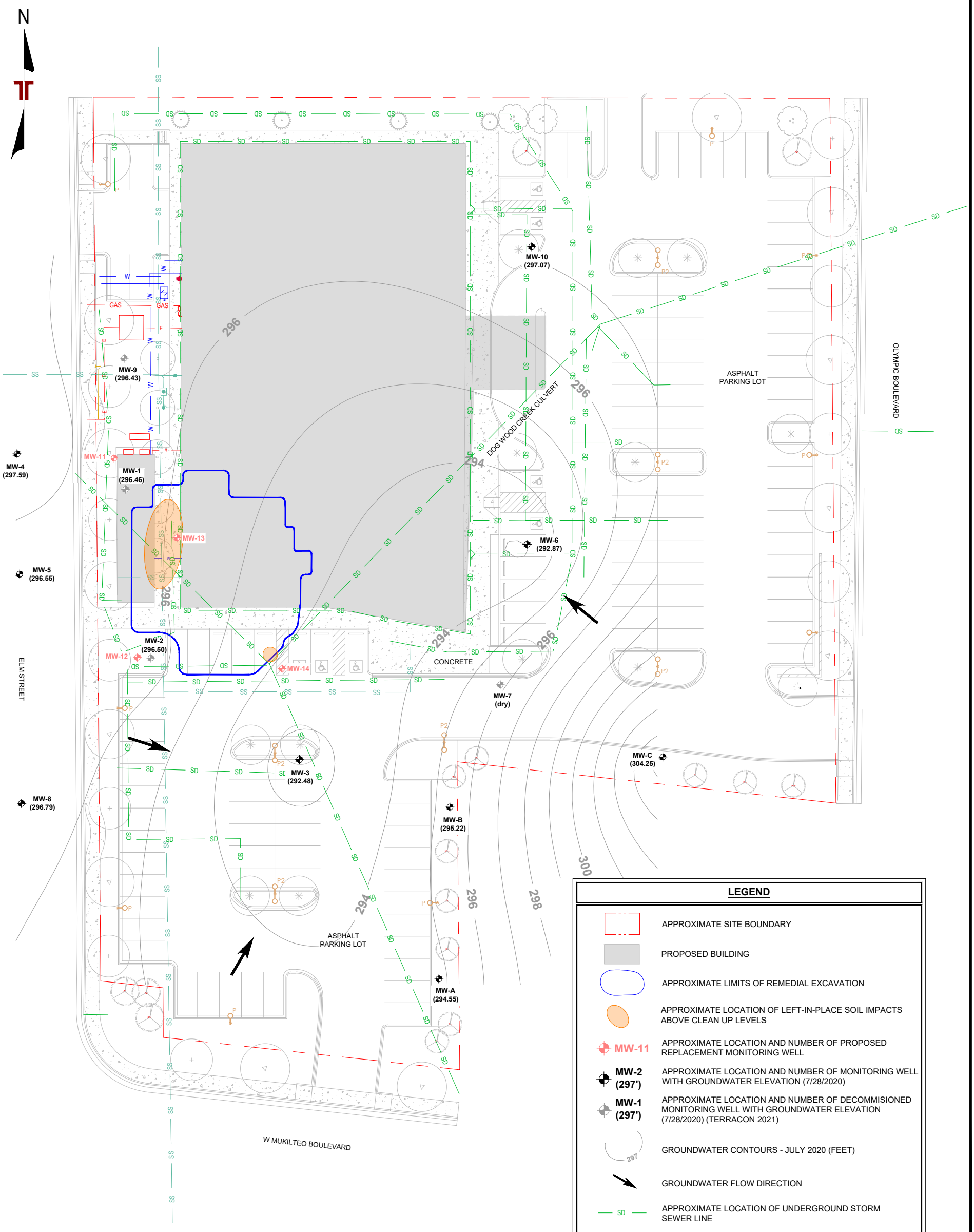
Following installation of the replacement groundwater monitoring wells, Terracon plans to complete one year of quarterly groundwater monitoring at the Site to assess effectiveness of the remedial action and monitor the migration of the remaining impacts, if present. Groundwater samples will be collected from the newly constructed and existing on-Site permanent groundwater monitoring wells MW-3 through MW-6, MW-8, MW-10, and the four replacement wells MW-11 through MW-14 for four consecutive quarters, as detailed in Terracon's October 2020 CAP.

*Closing*

Terracon appreciates the opportunity to submit this Memo and we look forward to your favorable consideration and approval of the proposed number of replacement wells and their locations, as detailed herein.

If you have any questions or comments regarding this Memo, please do not hesitate to contact us at your convenience.

Attachments:
Exhibit 1 – Site Diagram
Table 1 – Cumulative Summary of Soil Analytical Results
Table 2 – Cumulative Summary of Groundwater Analytical Results




| | | | |
|---|---|---|---|
| Project Mngr: KSB | Project No. 81207449 | Terracon Consulting Engineers and Scientists | **SITE DIAGRAM** |
| Drawn By: JWD | Scale: AS SHOWN | 21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043 | View Ridge Plaza<br>220 Olympic Boulevard<br>Everett, Snohomish County, Washington |
| Checked By: KSB | File No. EXHIBIT 1 | PH. (425) 771-3304 FAX. (425) 771-3549 | EXHIBIT 1 |
| Approved By: MYW | Date: October 2021 | | |

**TABLE 1**

**CUMULATIVE SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| Soil Borings | | | | | | | | |
| TB1 | TB1-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **2.4** | **0.16** |
| | TB1-5 | | 5 | Removed | ND (<0.010) | ND (<0.010) | **9.6** | **0.62** |
| | TB1-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB1-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB1-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB2 | TB2-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **0.41** | **0.012** |
| | TB2-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | **15** | **0.57** |
| | TB2-11 | | 11 | Removed | **4.4** | **0.065** | **0.068** | ND (<0.010) |
| | TB2-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB3 | TB3-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **0.48** | ND (<0.010) |
| | TB3-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB3-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB3-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB4 | TB4-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB4-7 | | 7 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB4-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB4-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB5 | TB5-3 | 1/25/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **1.2** | **0.18** |
| | TB5-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | **15** | **0.70** |
| | TB5-11 | | 11 | Removed | **3.0** | **0.083** | **0.069** | ND (<0.010) |
| | TB5-15 | | 15 | In Place | **69** | **2.7** | **0.70** | ND (<0.010) |
| | TB5-17 | | 17 | In Place | **0.018** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB5-20 | | 20 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB6 | TB6-5 | 1/25/2021 | 5 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB6-9 | | 9 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB6-13 | | 13 | Removed | ND (<0.010) | ND (<0.010) | **20** | **0.63** |
| | TB6-16 | | 16 | In Place | ND (<0.010) | **0.071** | **30** | **0.63** |
| | TB6-17 | | 17 | In Place | ND (<0.010) | ND (<0.010) | **4.0** | **3.9** |
| | TB6-20 | | 20 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB7 | TB7-3 | 4/15/2021 | 3 | Removed | ND (<0.010) | **0.014** | **0.73** | ND (<0.010) |
| | TB7-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | **0.46** | **0.037** |
| | TB7-13 | | 13 | In Place | ND (<0.010) | ND (<0.010) | **0.038** | ND (<0.010) |
| | TB7-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |

**TABLE 1**

**CUMULATIVE SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| TB8 | TB8-3 | 4/15/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **1.2** | **0.022** |
| | TB8-7 | | 7 | Removed | ND (<0.010) | ND (<0.010) | **0.45** | ND (<0.010) |
| | TB8-14 | | 14 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB9 | TB9-3 | 4/15/2021 | 3 | Removed | ND (<0.010) | ND (<0.010) | **3.0** | **0.71** |
| | TB9-5 | | 5 | Removed | **0.27** | **0.032** | **0.17** | **0.015** |
| | TB9-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB9-13 | | 13 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB10 | TB10-3 | 4/15/2021 | 3 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB10-9 | | 9 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB10-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB11 | TB11-5 | 4/15/2021 | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB11-9 | | 9 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | TB11-14 | | 14 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB12 | TB12-3 | 4/15/2021 | 3 | Removed | **0.21** | **0.010** | **0.40** | **0.013** |
| | TB12-7 | | 7 | Removed | **0.23** | **0.022** | **0.30** | **0.11** |
| | TB12-11 | | 11 | Removed | **0.021** | ND (<0.010) | **0.020** | ND (<0.010) |
| | TB12-14 | | 14 | In Place | ND (<0.010) | ND (<0.010) | **0.020** | ND (<0.010) |
| TB13 | TB13-3 | 4/15/2021 | 3 | Removed | **130** | **18** | **8.2** | ND (<0.010) |
| TB14 | TB14-3 | 4/15/2021 | 3 | Removed | **0.70** | ND (<0.010) | **0.021** | ND (<0.010) |
| | TB14-5 | | 5 | Removed | **0.41** | **0.044** | **0.13** | ND (<0.010) |
| | TB14-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | **0.039** | ND (<0.010) |
| TB15 | TB15-2 | 4/15/2021 | 2 | Removed | ND (<0.010) | **0.021** | **0.41** | ND (<0.010) |
| | TB15-5 | | 5 | Removed | **4.8** | **1.7** | **1.1** | ND (<0.010) |
| | TB15-13 | | 13 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | **0.021** |
| TB16 | TB16-5 | 4/15/2021 | 5 | In Place | ND (<0.010) | ND (<0.010) | **0.30** | ND (<0.010) |
| | TB16-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | **0.022** | ND (<0.010) |
| TB17 | TB17-5 | 4/15/2021 | 5 | Removed | **1.9** | **0.033** | **84** | **0.61** |
| | TB17-9 | | 9 | Removed | **0.015** | **3.1** | **28** | **0.54** |
| | TB17-13 | | 13 | Removed | **0.022** | **0.029** | **11** | **0.026** |
| | TB17-18 | | 18 | In Place | **0.017** | ND (<0.010) | **0.046** | ND (<0.010) |
| TB18 | TB18-1 | 4/15/2021 | 1 | Removed | **130** | **10** | **7.0** | ND (<0.010) |
| | TB18-7 | | 7 | Removed | **0.34** | **0.012** | **4.6** | **0.12** |
| | TB18-13 | | 13 | Removed | ND (<0.010) | ND (<0.010) | **0.034** | **1.5** |
| | TB18-18 | | 18 | Removed | **0.022** | ND (<0.010) | **0.010** | ND (<0.010) |

**TABLE 1**

**CUMULATIVE SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| TB19 | TB19-12 | 7/1/2021 | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB20 | TB20-16 | | 16 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB21 | TB21-12 | | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB22 | TB22-15 | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB23 | TB23-16 | | 16 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB24 | TB24-11 | | 11 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB25 | TB25-5 | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB26 | TB26-5 | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB27 | TB27-5 | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| TB28 | TB28-12 | | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-4 | MW4-6 | 4/26/2019 | 6 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-5 | MW5-6.5 | | 6.5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-6 | MW6-6 | 4/25/2019 | 6 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-7 | MW7-12 | | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-8 | MW-8-4 | 6/5/2019 | 4 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-9 | MW-9-10 | | 10 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| MW-10 | MW-10-12 | | 12 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| DP-1 | DP1-5' | 9/16/2015 | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.072) | ND (<0.010) |
| DP-1A | DP1A-10' | | 10 | In Place | **0.050** | **0.030** | ND (<0.066) | ND (<0.010) |
| DP-1 | DP1-15' | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.060) | ND (<0.010) |
| DP-2 | DP2-5' | | 5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.069) | ND (<0.010) |
| | DP2-10' | | 10 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.069) | ND (<0.010) |
| | DP2-15' | | 15 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.067) | ND (<0.010) |
| DP-3 | DP3-5' | | 5 | Removed | ND (<0.010) | ND (<0.010) | ND (<0.063) | **0.16** |
| | DP3-8' | | 8 | Removed | **25** | **1.3** | **1.7** | **0.080** |
| | DP3-11.5' | | 11.5 | Removed | **140** | **4.4** | **1.4** | **0.073** |
| | DP3-13' | | 13 | Removed | **160** | **6.7** | **1.3** | **0.052** |
| | DP3-14.5' | | 14.5 | In Place | **0.12** | **0.015** | ND (<0.067) | ND (<0.010) |
| | DP3-20' | | 20 | In Place | **0.025** | ND (<0.010) | ND (<0.067) | ND (<0.010) |
| | DP3-24' | | 24 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.076) | ND (<0.010) |

**TABLE 1**

**CUMULATIVE SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| SB-1 | SB-1 S-1@1-1.5' | 9/16/2015 | 1 | Removed | **6.3** | **0.31** | **0.58** | ND (<0.010) |
| | SB-1 S-2@3.5-4.5' | | 3.5 | Removed | **2.6** | **0.24** | **97** | **0.13** |
| | SB-1 S-3@5.5-6' | | 5.5 | Removed | **0.30** | **0.035** | **35** | **0.041** |
| | SB-1 S-4@7.5-8' | | 7.5 | Removed | **0.64** | **0.068** | **130** | **1.6[F3]** |
| | SB-1 S-6@12-12.5' | | 12 | Removed | **0.035** | **0.27** | **5.1** | **0.014** |
| | SB-1 S-7@15-15.5' | | 15 | Removed | **0.066** | **0.25** | **4.0** | **0.045[F3]** |
| SB-2 | SB-2 S-1@1-1.5' | | 1 | Removed | **3.3** | **0.22** | **0.38** | ND (<0.010) |
| | SB-2 S-2@3-3.5' | | 3 | Removed | **2.1** | **0.63** | **0.25** | **0.11** |
| | SB-2 S-4@10-10.5' | | 10 | Removed | **1.2** | **0.10** | **0.15** | ND (<0.010) |
| | SB-2 S-5@13-13.5' | | 13 | Removed | **130** | **9.4** | **22** | **0.022** |
| | SB-2 S-6@15-15.5' | | 15 | Removed | **1.1** | **6.1** | **26** | **0.96** |
| | SB-2 S-8@19-19.5' | | 19 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.068) | ND (<0.010) |
| | SB-2 S-9@23.5-24' | | 23.5 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.064) | ND (<0.010) |
| SB-3 | SB-3 S-1@2-2.5' | | 2 | Removed | **4.4** | **0.38** | **0.64** | ND (<0.010) |
| | SB-3 S-2@2.5-3' | | 2.5 | Removed | **8,400** | **140** | **32** | ND (<0.22) |
| | SB-3 S-3@4.5-5' | | 4.5 | Removed | **330** | **51** | **42** | **0.014** |
| | SB-3 S-4@10-10.5' | | 10 | Removed | **0.15** | **0.022** | **0.57** | **0.33** |
| | SB-3 S-6@14.5-15' | | 14.5 | Removed | **3.0** | **3.3** | **19** | **3.9** |
| | SB-3 S-7@15.5-16' | | 15.5 | Removed | **0.78** | **0.047** | **0.83** | **1.1** |
| | SB-3 S-8@19.5-20' | | 19.5 | Removed | **0.064** | ND (<0.010) | ND (<0.076) | ND (<0.010) |
| | SB-3 S-9@22.5-23' | | 22.5 | Removed | **0.16** | **0.014** | ND (<0.062) | ND (<0.010) |
| SB-4 | SB-4 S-1@1-1.5' | | 1 | Removed | **15** | **0.95** | **1.4** | ND (<0.010) |
| | SB-4 S-2@4.5-5' | | 4.5 | Removed | **7.8** | **60** | **11** | **0.025** |
| | SB-4 S-3@9.5-10' | | 9.5 | Removed | ND (<0.010) | **0.031** | **7.8** | **2.4** |
| SB-5 | SB-5 S-1@1-2' | | 1 | Removed | **0.050** | **0.024** | **0.56** | **0.10** |
| | SB-5 S-2@4-4.5' | | 4 | Removed | ND (<0.010) | ND (<0.010) | **0.78** | **0.26** |
| SB-6 | SB-6 S-1@1-2' | 9/17/2015 | 1 | Removed | **0.026** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | SB-6 S-2@4-5' | | 4 | Removed | ND (<0.010) | ND (<0.010) | **1.1** | ND (<0.010) |
| SB-7 | SB-7 S-1@1-2' | | 1 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | SB-7 S-2@4-5' | | 4 | In Place | ND (<0.010) | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| SB-8 | SB-8 S-1@1-2' | | 1 | Removed | **0.012** | ND (<0.010) | ND (<0.010) | ND (<0.010) |
| | SB-8 S-2@4-5' | | 4 | Removed | **0.047** | **0.020** | **5.2** | **0.036** |

**TABLE 1**

**CUMULATIVE SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| B1 | B1-4 | 10/23/2013 | 4 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| B2 | B2-9 | | 9 | Removed | **0.630** | **0.014** | **0.014** | ND (<0.01) |
| | B2-20 | | 20 | In Place | **0.022** | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| B3 | B3-5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | B3-13 | | 13 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| B4 | B4-7 | | 7 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-1 | SB-1:5 | 10/15/2014 | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-1:10 | | 10 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-1:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-2 | SB-2:2 | | 2 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-2:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-2:10 | | 10 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-3 | SB-3:2 | | 2 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-3:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-3:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-4 | SB-4:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-4:8 | | 8 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-4:14 | | 14 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-5 | SB-5:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-5:10 | | 10 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-5:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-6 | SB-6:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-6:13 | | 13 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-7 | SB-7:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-7:8 | | 8 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-7:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| SB-8 | SB-8:5 | | 5 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-8:9 | | 9 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | SB-8:15 | | 15 | In Place | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |

**TABLE 1**

**CUMULATIVE SUMMARY OF SOIL ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| HA-1 | HA-1:1 | 10/24/2014 | 1 | Removed | **4.8** | **0.054** | **0.093** | ND (<0.01) |
| | HA-1:4 | | 4 | Removed | **0.250** | **0.063** | **14** | **0.710** |
| HA-2 | HA-2:1 | | 1 | Removed | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| | HA-2:4.5 | | 4.5 | Removed | ND (<0.01) | ND (<0.01) | ND (<0.01) | ND (<0.01) |
| HA-3 | HA-3:0.5 | | 0.5 | Removed | **1.6** | **0.200** | **0.420** | ND (<0.01) |
| | HA-3:4 | | 4 | Removed | **0.068** | **0.028** | **15.0** | **0.320** |
| Dangerous Waste Confirmation Samples | | | | | | | | |
| SW-N | SW-N1-10 | 5/20/2021 | 10 | Removed | **1.6** | **0.15** | **1.5** | **0.23** |
| | SW-N2-10 | | 10 | Removed | ND (<0.025) | ND (<0.02) | **0.31** | ND (<0.05) |
| | SW-N3-10 | 5/21/2021 | 10 | Removed | ND (<0.025) | ND (<0.02) | **0.80** | ND (<0.05) |
| SW-E | SW-E1-4 | 5/18/2021 | 4 | Removed | **0.030** | ND (<0.02) | **12** | **0.23** |
| | SW-E2-4 | 5/19/2021 | 4 | Removed | ND (<0.025) | ND (<0.02) | **1.2** | ND (<0.05) |
| SW-S | SW-S1-4 | 5/19/2021 | 4 | Removed | ND (<0.025) | ND (<0.02) | **1.4** | ND (<0.05) |
| | SW-S2-12 | | 12 | Removed | **0.12** | **0.22** | **1.4** | ND (<0.05) |
| | SW-S3-4 | 5/21/2021 | 4 | Removed | ND (<0.025) | ND (<0.02) | **4.1** | **0.050** |
| | SW-S3-10 | | 10 | Removed | **0.042** | **0.26** | **3.9** | **0.097** |
| SW-W | SW-W1-4 | 5/18/2021 | 4 | Removed | **2.1** | **6.0** | **5.3** | **0.75** |
| | SW-W3-4 | 5/19/2021 | 4 | Removed | **0.14** | **0.70** | **7.5** | ND (<0.05) |
| | SW-W4-11 | | 11 | Removed | **2.3** | **0.28** | **0.35** | ND (<0.05) |
| BOT | BOT1-7.5 | 5/18/2021 | 7.5 | Removed | ND (<0.025) | **0.035** | **0.10** | ND (<0.05) |
| | BOT2-7.5 | | 7.5 | Removed | **0.058** | ND (<0.02) | **0.068** | ND (<0.05) |
| | BOT3-7.5 | 5/19/2021 | 7.5 | Removed | ND (<0.025) | ND (<0.02) | **1.7** | **0.16** |
| | BOT4-14 | | 14 | In Place | **0.051** | **0.092** | **0.070** | ND (<0.05) |
| | BOT5-15 | | 15 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| Final Excavation Confirmation Samples | | | | | | | | |
| SW-N | SW-N4-12 | 6/10/2021 | 12 | In Place | ND (<0.03) | ND (<0.02) | **7.4** | **0.79** |
| | SW-N5-5 | | 5 | In Place | ND (<0.03) | ND (<0.02) | **8.4** | **0.17** |
| | SW-N6-8 | | 8 | Removed | **0.048** | **0.052** | **0.039** | ND (<0.02) |
| | SW-N6-10 | 6/14/2021 | 10 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | SW-N7-6 | 6/10/2021 | 6 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |

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**View Ridge Plaza**
**220 Olympic Boulevard**
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**Terracon Project No. 81207449**

all concentrations are in milligrams per kilogram (mg/kg)

| Boring ID | Sample Number | Sample Date | Sample Depth (ft) | Soil Removed or In Place | VOCs[1] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethene (cis-DCE) | Vinyl Chloride (VC) |
| **MTCA Method A Cleanup Level for Unrestricted Land Use** | | | | | **0.05** | **0.03** | **160*** | **0.67*** |
| SW-E | SW-E3-5 | 6/15/2021 | 5 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | SW-E4-5 | | 5 | In Place | **0.19** | **0.058** | **0.035** | ND (<0.02) |
| | SW-E4-8 | 6/16/2021 | 8 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E5-8 | | 8 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E6-2.5 | | 2.5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E6-5 | | 5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E6-7.5 | | 7.5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E6-10 | | 10 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E7-5 | | 5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| | SW-E8-5 | | 5 | In Place | ND (<0.025) | ND (<0.02) | ND (<0.05) | ND (<0.05) |
| SW-S | SW-S4-6 | 6/14/2021 | 6 | Removed | **1.1** | **0.34** | **0.12** | **0.052** |
| | SW-S5-6 | 6/15/2021 | 6 | In Place | ND (<0.03) | ND (<0.02) | **0.075** | ND (<0.02) |
| | SW-S6-5 | | 5 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| SW-W | SW-W5-12 | 6/11/2021 | 12 | In Place | **0.42** | **0.021** | **0.041** | ND (<0.02) |
| | SW-W6-9 | | 9 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | SW-W7-12 | | 12 | In Place | **2.5** | **0.34** | **0.21** | **0.056** |
| | SW-W8-11 | | 11 | In Place | **0.050** | **0.044** | ND (<0.03) | ND (<0.02) |
| BOT | BOT6-16 | 6/11/2021 | 16 | Removed | ND (<0.03) | **0.14** | **8.0** | **1.1** |
| | BOT6-17 | 6/14/2021 | 17 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT7-16 | 6/11/2021 | 16 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | **0.022** |
| | BOT8-13 | 6/14/2021 | 13 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT9-16 | 6/14/2021 | 16 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT10-9 | 6/15/2021 | 9 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT11-23 | | 23 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |
| | BOT12-13 | | 13 | In Place | ND (<0.03) | ND (<0.02) | **0.082** | **0.038** |
| | BOT13-8 | | 8 | In Place | ND (<0.03) | ND (<0.02) | ND (<0.03) | ND (<0.02) |

Note: Values detected above laboratory method reporting limits (MRLs) are in **BOLD** type.
Values detected above MTCA cleanup levels are in **RED BOLD** type and in a shaded cell.
Compounds for which no cleanup level has been established are not included in this table.

VOCs - Volatile organic compounds
TCLP - Toxcity Leachate Characteristic Procedure
MTCA - Model Toxics Control Act
ND - Not detected above laboratory reporting limit.
* - MTCA Method B Cleanup Level
^ - Toxicity characteristics list maximum allowable levels
-- - Not analyzed
1 - See laboratory report for full list of analytes.
F3 - Analyte results biased high due to coeluting compound

**TABLE 2**

**CUMULATIVE SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**
**View Ridge Plaza**
**220 Olympic Boulevard**
**Everett, Snohomish County, Washington**

**Terracon Project No. 81207449**

All concentrations are in micrograms per liter (µg/L)

| Well ID (Top of Casing Elevation [feet]) | Sample Date | Depth to Water (feet) | Ground-water Elevation (feet) | VOCs[1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Tetrachloroethylene (PCE) | Trichloroethylene (TCE) | Cis-1,2- Dichloroethylene (cis-DCE) | Trans-1,2- Dichloroethylene (trans-DCE) | Vinyl Chloride (VC) | 1,1 - Dichloroethene (1,1-DCE) |
| **MTCA Method A Cleanup Level** | | | | **5** | **5** | **16*** | **160*** | **0.20** | **400*** |
| MW-1 (301.76) | 10/24/14 | 4.89# | 296.87 | ND (<2.0) | ND (<2.0) | **8.7** | ND (<2.0) | **0.33** | ND (<2.0) |
| | 9/3/15 | 5.46 | 296.30 | ND (<2.0) | ND (<2.0) | **3.8** | ND (<2.0) | **0.66** | ND (<2.0) |
| | 4/29/19 | 4.91 | 296.85 | **2.2** | ND (<2.0) | **2.4** | ND (<2.0) | **0.26** | ND (<2.0) |
| | 6/13/19 | 5.09 | 296.67 | -- | -- | -- | -- | -- | -- |
| | 7/28/20 | 5.30 | 296.46 | ND (<2.0) | ND (<2.0) | **3.1** | ND (<2.0) | **0.25** | ND (<2.0) |
| | 4/15/21 | -- | -- | ND (<2.0) | ND (<2.0) | **2.3** | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-2 (301.75) | 10/24/14 | 4.50# | 297.25 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/3/15 | 4.49 | 297.26 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/29/19 | 4.58 | 297.17 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/13/19 | 4.86 | 296.89 | -- | -- | -- | -- | -- | -- |
| | 7/28/20 | 5.25 | 296.50 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/15/21 | -- | -- | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-3 (301.41) | 10/24/14 | 8.95# | 292.46 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/3/15 | 9.24 | 292.17 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 4/29/19 | 8.86 | 292.55 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/13/19 | 8.95 | 292.46 | -- | -- | -- | -- | -- | -- |
| | 7/28/20 | 8.93 | 292.48 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-4 (300.66) | 4/29/19 | 2.69 | 297.97 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/13/19 | 3.11 | 297.55 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 7/28/20 | 3.07 | 297.59 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-5 (300.74) | 6/13/19 | 3.17 | 297.57 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 7/28/20 | 4.19 | 297.57 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-6 (302.18) | 4/29/19 | 9.29 | 292.89 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/13/19 | 9.35 | 292.83 | -- | -- | -- | -- | -- | -- |
| | 7/28/20 | 9.31 | 292.87 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-7 is dry | | | | | | | | | |
| MW-8 (299.83) | 6/13/19 | 2.71 | 297.12 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 7/28/20 | 3.04 | 296.79 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-9 (301.69) | 6/13/19 | 5.30 | 296.39 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 7/28/20 | 5.26 | 296.43 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-10 (302.48) | 6/13/19 | 5.42 | 297.06 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 7/28/20 | 5.41 | 297.07 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| MW-A (304.58) | 10/24/13 | 4.53 | 300.05 | -- | -- | -- | -- | -- | -- |
| | 8/18/14 | 9.76# | 294.82 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/3/15 | 10.39 | 294.19 | -- | -- | -- | -- | -- | -- |
| | 4/29/19 | 9.68 | 294.90 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/13/19 | 10.00 | 294.58 | -- | -- | -- | -- | -- | -- |
| | 7/28/20 | 10.03 | 294.55 | -- | -- | -- | -- | -- | -- |
| MW-B (302.97) | 10/24/13 | 8.65 | 294.32 | -- | -- | -- | -- | -- | -- |
| | 8/18/14 | 7.32# | 295.65 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/3/15 | 8.60 | 294.37 | -- | -- | -- | -- | -- | -- |
| | 4/29/19 | 7.15 | 295.82 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 7/28/20 | 7.75 | 295.22 | -- | -- | -- | -- | -- | -- |
| MW-C (307.89) | 10/24/13 | 10.35 | 297.54 | -- | -- | -- | -- | -- | -- |
| | 8/18/14 | 3.28# | 304.61 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 9/3/15 | 4.20 | 303.69 | -- | -- | -- | -- | -- | -- |
| | 4/29/19 | 3.18 | 304.71 | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<2.0) | ND (<0.20) | ND (<2.0) |
| | 6/13/19 | 3.45 | 304.44 | -- | -- | -- | -- | -- | -- |
| | 7/28/20 | 3.64 | 304.25 | -- | -- | -- | -- | -- | -- |

Note: Concentrations detected above laboratory reporting limits are in **BOLD** type.
Concentrations above MTCA cleanup levels are in **BOLD RED** type and a shaded cell.
Compounds for which no cleanup level has been established are not included in this table.

VOCs - Volatile organic compounds
MTCA - Model Toxics Control Act
MRL - Laboratory method reporting limit
ND - Not detected above laboratory reporting limits.
-- - Not analyzed
* - MTCA Method B Cleanup Level
# - Groundwater monitoring well gauged on November 10, 2014
^ - Laboratory MRL is above the MTCA cleanup level
1 - See laboratory report for full list of analytes.

## Dobbins, Jeff W

**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Friday, November 12, 2021 9:11 AM
**To:** Bennett, Kyle S
**Subject:** FW: 81207449: Status Update and Replacement Well Work Plan (VCP - View Ridge Plaza)
**Attachments:** 81207449_Replacement_Groundwater_Monitoring_Well_Technical_Memo_10.14.2021.pdf

**Follow Up Flag:** Follow up
**Flag Status:** Flagged

Kyle – I apologize for not sending you written comments on the work plan. Because you and I had discussed the proposed work in a telephone call and because I had reviewed the figures earlier, this slipped off of my list. I have reviewed the work plan and have no comments on its substance.

Editorial comment: I work in the Headquarters section, not the Northwestern section, so my address is: 300 Desmond Drive, Olympia, WA 98504. Also, my name is mis-spelled.

Chris M.

---

**From:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Sent:** Friday, November 12, 2021 8:19 AM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Subject:** RE: 81207449: Status Update and Replacement Well Work Plan (VCP - View Ridge Plaza)

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Chris,

We understand your schedule is extremely busy, so your time is greatly appreciated. We wanted to touch base regarding your review of our technical memorandum for the replacement groundwater monitoring wells and see if you could provide an estimate when you might be able to provide a response.

With the holidays approaching, we wanted to make sure there is enough time to schedule a drill rig for the well installation and complete a round of groundwater sampling before the end of the year.

We appreciate your understanding, thank you again and have a great week.

Cheers,

**Kyle Bennett**
**Project Manager I Environmental Department**

**Terracon**
21905 64th Avenue West Suite 100 I Mountlake Terrace, WA 98043
P [425] 697-1128 I F [425] 771-3549 I M [360] 913-5649
**Kyle.Bennett@terracon.com** I **terracon.com**

**From:** Bennett, Kyle S
**Sent:** Thursday, October 14, 2021 12:26 PM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** RE: 81207449: Status Update and Replacement Well Work Plan (VCP - View Ridge Plaza)

Chris,

Thank you again for taking the time to meet with us last week, it was good to talk this through and have everyone on the same page. As discussed, please see the attached Replacement Groundwater Monitoring Well technical memorandum ready for your review and opinion.

Please let us know if you have any questions or if you need any additional information. As mentioned during the call, unless you would prefer to write a formal written opinion letter it isn't necessary, and providing your approval/comments by e-mail would be sufficient.

Thank you and have a great week.

Cheers,

**Kyle Bennett**
**Project Manager I Environmental Department**

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**Kyle.Bennett@terracon.com I terracon.com**

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**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Monday, October 4, 2021 1:57 PM
**To:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Subject:** RE: 81207449: Status Update and Replacement Well Work Plan (VCP - View Ridge Plaza)

Kyle – Friday at 10 is fine. Chris M.

---

**From:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Sent:** Monday, October 4, 2021 1:44 PM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Subject:** RE: 81207449: Status Update and Replacement Well Work Plan (VCP - View Ridge Plaza)

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Chris – thank you for your quick response. Does Friday at 10AM work for you? If so, I will send out an invite.

I have attached a flow and gradient map for your reference, the inferred direction is northeast. Thank you again, please let us know if you have any questions, thank you.

Cheers,

**Kyle Bennett**
**Project Manager I Environmental Department**

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---

**From:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Sent:** Monday, October 4, 2021 1:10 PM
**To:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Subject:** FW: 81207449: Status Update and Replacement Well Work Plan (VCP - View Ridge Plaza)

Kyle,

I have reviewed the attached figures and tables and have the following comment:

1) Figure 1 does not have an estimated direction of groundwater flow arrow.

As for a call, I can accommodate almost any time this week or next week. I suggest late morning or mid-afternoon.

Chris M.

---

**From:** Bennett, Kyle S <Kyle.Bennett@terracon.com>
**Sent:** Friday, October 1, 2021 3:25 PM
**To:** Maurer, Christopher (ECY) <cmau461@ECY.WA.GOV>
**Cc:** Wheaton, Matt <Matt.Wheaton@terracon.com>
**Subject:** 81207449: Status Update and Replacement Well Work Plan (VCP - View Ridge Plaza)

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Chris,

Trust you've been well. We wanted to provide this email to you as an update on the current progress of the site cleanup.

Overall, the remedial action activities completed at the site between January and June 2021 (with the remedial excavation activities occurring between May and June) included pre-remedial action groundwater and soil sampling, in-situ treatment of dangerous waste soil, remedial excavation and confirmation soil sampling, and backfill with a remedial amendment and installation of remedial injection wells. The remedial action activities were completed in general accordance with our proposed scope of work and the October 2020 Cleanup Action Plan. The overall remedial action goals were met with the majority of cVOC-impacted soils removed and only limited areas of residual impacted soil remaining in-place due to precluding factors such as utilities and slope stability. The remedial excavation removed the source area and bulk of documented soil impacts to the maximum extent practical.

As a result of the confirmation samples collected from the limits of the excavation and existing soil boring data, Terracon returned to the site to further characterize the areal extent of the in-place soil impacts by advancing 10 soil borings and collecting soil samples from each boring. Based on the existing soil data and results from the recent soil characterization sampling activities, it is Terracon's opinion that the vertical and lateral extent of the in-place soil impacts have been defined.

It should be noted that during the entire duration of the remedial excavation, approximately 30 days, groundwater seepage from the excavation sidewalls and or bottom was not observed by Terracon, with the exception of an initial observation of minor seepage from the excavation sidewalls at approximately 6 to 8 feet below ground surface that stopped shortly after the excavation commenced. This appears to have confirmed our suspicion that groundwater in nearby wells appears to be associated with a thin localized lens perched atop the deeper confining silty clay.

We are currently in the process of preparing the Groundwater Monitoring Well Replacement Work Plan, but before finalizing we wanted to set up a brief call to discuss the locations of the proposed replacement monitoring wells and see if you have any questions regarding the remedial actions completed to date. I've attached draft copies of the most current site soil and groundwater data, and figures for your reference.

Please let us know a couple of times that work for you either next week or the following week for a call. We appreciate your time and look forward to speaking with you. Have a great week.

Cheers,

**Kyle Bennett**
**Project Manager I Environmental Department**

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**Kyle.Bennett@terracon.com** I **terracon.com**

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

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