Phase 2.5 Remedial Investigation Report

Simplot Grower Solutions

Sunnyside, Washington
April 2022

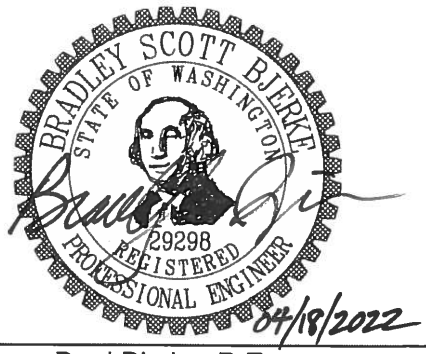
Phase 2.5 Remedial Investigation Report

Simplot Grower Solutions Facility
South 300 1st Street
Sunnyside, Washington 98944

April 2022

Prepared by:
HDR Engineering, Inc.
412 East Parkcenter Boulevard
Suite 100
Boise, Idaho 83706

Prepared by:



Stacey Lamer, P.E.
Project Manager

Brad Bjerke, P.E.

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Acronyms

AO	Agreed Order
bgs	below ground surface
CLARC	Cleanup Levels and Risk Calculation
COPC	chemicals of potential concern
Ecology	Washington State Department of Ecology
FS	feasibility study
MCL	maximum contaminant level
MTCA	Models Toxic Control Act
PID	photo-ionization detector
QA/QC	quality assurance/quality control
RI	remedial investigation
RI/FS	remedial investigation/feasibility study
SAP	*Sampling and Analysis Plan: Phase 2.5 Remedial Investigation Activities*
SGS	Simplot Grower Solutions
Simplot	J.R. Simplot Company
SOP	standard operating procedure
USEPA	U.S. Environmental Protection Agency
WAC	Washington Administrative Code

1 Introduction

This Phase 2.5 Remedial Investigation (RI) report describes field sampling activities and analytical results to support a remedial investigation and feasibility study (RI/FS) conducted by the J.R. Simplot Company (Simplot) at the Simplot Grower Solutions (SGS) facility at South 300 1st Street, Sunnyside, Washington (**Figure 1** and **Figure 2** in Appendix A). A RI/FS is part of Agreed Order (AO) number 16446 between Simplot and the Washington State Department of Ecology (Ecology).

1.1 Purpose and Objectives

The objective of the RI/FS is to meet the requirements of the AO as described in the Model Toxics Control Act (MTCA) Cleanup Regulation (Washington Administrative Code [WAC] 173-340). The RI is designed to characterize site conditions in order to complete a FS and select a cleanup action as described in WAC 173-340-360 through 173-340-390, because of the presence/discovery of several chemicals of potential concern (COPC) in soils and groundwater at the SGS facility. Based on the results from past sampling events, COPCs include nitrate-N, 1,2-dichloroethane, 1,2-dichloropropane, and arsenic.

This Phase 2.5 RI report summarizes fall 2021 groundwater monitoring well installation and soil sampling investigations, on-site soil vapor headspace screening, on-site soil suitability testing to assess potential for bioremediation, and off-site Tier 1 soil vapor intrusion assessment, and subsequent analytical results. This report includes information on sample type, sample location, sample procedures, analytical methods, and results, and compares analytical results to Washington Cleanup Levels and Risk Calculation (CLARC) levels. Sampling activities followed the *Sampling and Analysis Plan: Phase 2.5 Remedial Investigation Activities* (HDR 2021a). **Table 1** (Appendix B) summarizes past activities conducted at the site.

1.2 Previous Investigation Activities

Refer to the *Remedial Investigation Work Plan* (HDR 2019b) for details on site setting and previous investigations (pre-RI/FS AO).

In January 2020, Phase 1 RI sampling was completed following the *Sampling and Analysis Plan* (HDR 2019a) and *Remedial Investigation Work Plan* (HDR 2019b). The following activities were conducted as part of the Phase 1 RI activities:

- On-site GeoProbe (direct push) for groundwater sampling (15 on-site borings with 21 groundwater samples).
- Monitoring well sampling (7 groundwater monitoring wells, installed pre-RI/FS AO).

Results of the Phase 1 RI sampling are presented in the *Phase 1 Remedial Investigation Report* (HDR 2020b).

In December 2020, Phase 2 RI sampling was completed following the *Sampling and Analysis Plan* (HDR 2020a) and *Remedial Investigation Work Plan* (HDR 2020b). The following activities were conducted as part of the Phase 2 RI activities:

- On-site and off-site GeoProbe (direct push) for groundwater sampling.

- Monitoring well sampling.

Results of the Phase 2 RI sampling are presented in the *Phase 2 Remedial Investigation Report* (2021b).

1.3 Report Organization

This report includes the following sections:

- Section 1: Introduction – introduces the project, RI/FS objective, and Phase 2.5 goals.
- Section 2: RI Phase 2.5 Field Activities and Results – summarizes field activities conducted in summer and fall 2021 and presents sample analytical results.
- Section 3: Summary and Recommendations - summarizes RI Phase 1, Phase 2, and 2.5 results and makes recommendations for additional RI activities.
- Section 4: References.
- Appendix A – Figures
- Appendix B – Tables
- Appendix C – Laboratory Reports
- Appendix D – Field Forms and Boring Logs
- Appendix E – Data Validation Report
- Appendix F – Photo Log

2 Phase 2.5 RI Field Activities – Fall 2021

Field investigation activities followed the *Sampling and Analysis Plan: Phase 2.5 Remedial Investigation Activities* (SAP; HDR 2021a). The SAP was reviewed and approved by Ecology on June 16, 2021. The following activities were conducted as part of the Phase 2.5 RI activities:

- Monitoring well installation (two wells) and soil testing at two offsite locations
- Monitoring well sampling
- On-site GeoProbe (direct push) for soil vapor headspace screening
- On-site Soil Suitability Testing
- Off-site Tier I soil vapor intrusion assessment

For Phase 2.5 activities, soil cuttings from the monitoring well installation and GeoProbe (direct push) activities were screened using a photo-ionization detector (PID) and recorded on boring logs. Phase 2.5 results, along with past sampling activities, will be used to design a Phase 3 RI soil sampling plan and subsequent phase activities.

Prior to advancing any ground disturbance activities, Simplot contacted Washington One Call (1-800-424-5555) to locate public utilities. Utilities Plus, out of Yakima, Washington, assessed the work area for private underground utilities. For any detected utilities, boreholes were moved at least 2 feet away from the underground utility.

2.1 Monitoring Well Installation and Testing

2.1.1 Well Installation and Soil Testing

Two new downgradient monitoring wells (MW-6D and MW-7D) were installed to a depth of approximately 37 feet below ground surface (bgs) to obtain groundwater data from a deeper zone below where the previously installed wells are screened. The new wells were installed near existing water table wells MW-6 and MW-7. The new wells were installed on July 29, 2021, and developed on July 30, 2021, and are illustrated in **Figure 3** (Appendix A).

- MW-6 is screened from 6 to 22 feet bgs
- MW-6D is screened from 26 to 36 feet bgs
- MW-7 is screened from 9 to 24 feet bgs
- MW-7D is screened from 27 to 37 feet bgs

Both the new wells were constructed using a sonic rig with 2-inch ID Schedule 40 PVC well riser, well screen, with flush-mount road boxes. A Washington-licensed surveyor surveyed the monitoring wells to the top of the PVC well casing and to the ground surface at the base of the protective well casing on September 14, 2021. These measurements were used determine the groundwater elevation and flow direction.

Two soil samples were collected from each well boring and screened using an organic vapor monitor equipped with a PID. The first soil sample was collected in the vadose zone just above the water table and another sample collected in the vadose zone based on PID/visual indications, where the soil sample with the highest PID reading was collected.

Soil samples were preserved for the analyses as summarized in **Table 2** (Appendix B). **Table 4** (Appendix B) summarizes quality assurance/quality control (QA/QC) field samples collected. Laboratory reports and chain-of-custody forms are contained in Appendix C.

After samples were collected, soil cuttings were placed in a 55-gallon drum and stored on site. Standard chain-of custody procedures were followed from the time samples were collected until the samples arrived at the laboratory.

Soil boring logs are presented in Appendix D. PID readings were taken from soil cuttings for the boring for MW-7D and these readings are included in the boring logs. MW-7D's highest reading was 4.7 parts per million volume (ppmv) at 25 feet bgs, within the groundwater (below the vadose zone). During installation of MW-6D, the PID meter malfunctioned and was not taking accurate readings.

Photos from sampling are contained within Appendix F.

2.1.2 Groundwater Sample Collection and Testing

Groundwater samples were collected from the wells associated with the site as part of Phase 2.5 activities. Monitoring wells MW-6D and MW-7D were sampled on July 30, 2021, to evaluate water quality and depth to groundwater measurements were collected to evaluate groundwater flow direction. This provides information on groundwater gradient and flow direction during the time of sample collection and helps correlate groundwater data with potential upgradient sources.

Monitoring wells MW-6D and MW-7D were sampled again on September 14, 2021, along with MW-4, MW-5R, and MW-3R. Groundwater level measurements were collected from all monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5R, MW-6, MW-6D, MW-7, and MW-7D) during the groundwater sampling activities to evaluate groundwater flow direction. Groundwater level measurements taken at MW-6, MW-6D, MW-7, and MW-7D indicate that there is minimal to no vertical gradient present between the shallow and deep wells. Groundwater levels were at 12.82 feet bgs and 12.83 feet bgs in MW-6 and MW-6D, respectively with an upward vertical gradient of 0.004. Groundwater levels were at 12.69 feet bgs and 12.82 feet bgs in MW-7 and MW-7D, respectively with an upward vertical gradient of 0.007. **Table 5** (Appendix B) summarizes depth to groundwater measurements. **Figure 4** (Appendix A) illustrates groundwater elevation contours for September 2021.

Sampling followed the standard operating procedure (SOP) for monitoring well sampling (HDR 2021a). Monitoring well sampling activities included the following:

- Purging wells with a peristaltic pump.
- Measuring and recording field pH, conductivity, and temperature during purging.
- Collecting groundwater samples following static water measurements once field parameters were stable (three consecutive measurements within 10 percent) or when at least three well bore volumes had been purged.
- Preserving sample bottles according to analyses to be performed as summarized in **Table 3** (Appendix B).
- Shipping samples to Eurofins TestAmerica in Tacoma, WA.
- Shipping a duplicate and a trip blank with the groundwater samples.

Purge water from groundwater sampling was placed in 55-gallon drums and stored on Simplot property. Standard chain-of-custody procedures were followed from the time samples were collected until the time that samples arrived at the laboratory.

HDR Engineering, Inc. (HDR) collected QA/QC field samples summarized in **Table 4** (Appendix B).

Eurofins TestAmerica in Tacoma, Washington, followed appropriate laboratory QA/QC procedures as dictated by the U.S. Environmental Protection Agency (USEPA) method and the laboratory's standard operating procedures (SOPs). Lab reports and chain-of-custody forms are presented in Appendix C, field forms are presented in Appendix D, and a data validation report for the sampling events is presented in Appendix E.

2.2 On-site Soil Vapor Headspace Screening Investigation

The SOP for direct push sampling is presented in the work plan (HDR 2021a). On-site soil vapor screening investigation activities were conducted with a GeoProbe (direct push). Thirty-eight direct push borings were taken on November 8 through November 10, 2021, on a grid with approximately 50-foot centers. The soils were visually logged and soil vapor readings were collected using a PID to quickly identify potential zones of contamination. Up to three soil samples per boring exhibiting signs of soil contamination were collected in Ziploc baggies and field screened for headspace using a PID. The PID headspace readings at each depth interval were recorded on a boring log for each soil

boring. After samples were collected, the borings were plugged with bentonite and soil cuttings were placed in a 55-gallon drum.

Soil boring logs are presented in Appendix D. PID readings were taken for all borings and included in the boring logs. **Table 6** in Appendix B summarizes the PID readings at for each boring. **Figure 5** illustrates the soil vapor headspace boring locations and PID results.

Photos from sampling are contained within Appendix F.

2.3 On-site Soil Suitability Testing

During the direct push borings, grab samples were collected for soil suitability sampling. Soil grab samples were collected from five borings (Figure 3) at three depths (6-12 inches, 12-18 inches, and 18-24 inches bgs), for a total of 15 soil suitability samples:

- SST2.5-28-06-12
- SST2.5-28-12-18
- SST2.5-28-18-24
- SST2.5-30-06-12
- SST2.5-30-12-18
- SST2.5-30-18-24
- SST2.5-35-06-12
- SST2.5-35-12-18
- SST2.5-35-18-24
- SST2.5-37-06-12
- SST2.5-37-12-18
- SST2.5-37-18-24
- SST2.5-39-06-12
- SST2.5-39-12-18
- SST2.5-39-18-24

Kuo Testing Labs in Othello, Washington, followed appropriate laboratory QA/QC procedures as dictated by the USEPA method and the laboratory's SOPs. **Table 7** (Appendix B) summarizes soil suitability results. Lab reports are presented in Appendix C, and a data validation report for the sampling events are presented in Appendix E.

2.4 Off-Site Tier 1 Soil Vapor Intrusion Assessment and Investigation

An off-site Tier 1 investigation was recommended by Ecology. For off-site probing, Simplot obtained access permission and entered into access agreements with City of Sunnyside for drilling in the street rights-of-way (ROW). In addition, notices were sent to residents along 2nd Street and 3rd Street that probing was planned and to inform them of the activities.

The SOP for direct push sampling is presented in the SAP (HDR 2021a). Off-site soil vapor intrusion assessment activities were conducted with a GeoProbe (direct push). Five direct push borings were taken on November 10, 2021, at residences along South 2nd Avenue and South 3rd Avenue. The soil vapor samples were collected at an approximately 4-foot depth bgs. Soil vapor samples were

collected in certified 6-liter steel SUMMA canisters with initial vacuums of approximately 30 inches mercury. Soil vapor samples were collected until the vacuum reduced to about 5-inches mercury, an approximately 10-minute period. The SUMMA canisters were sent to Eurofins Air Toxics LLC, Folsom, California. to be analyzed for volatile organics by USEPA Method TO-15. An ambient air blank sample was collected simultaneously with soil vapor sampling. A blind duplicate soil vapor sample was also collected per the SAP.

Eurofins Air Toxics LLC, Folsom, California, followed appropriate laboratory QA/QC procedures as dictated by the USEPA method and the laboratory's SOPs. **Table 8** in Appendix B summarizes air toxin detections. Lab reports are presented in Appendix C, and a data validation report for the sampling events are presented in Appendix E.

2.5 Laboratory Results

The following tables present the laboratory analytical results for the Phase 2.5 RI:

- **Table 8**: Air Toxin Detections (for off-site, deep soil vapor samples). Results are compared to the lower of the CLARC Deep Soil Gas Screening Levels Method B Cancer or Non-Cancer values
- **Table 9**: On-Site Monitoring Wells groundwater sampling results for July and September 2021. Results are compared to the lowest of the CLARC State maximum contaminant level (MCL), Method C Cancer or Method C Non-Cancer values
- **Table 10**: Off-Site Monitoring Wells deep groundwater sampling results for July and September 2021. Results are compared to the lowest of the CLARC State MCL, Method A, Method B Cancer or Method B Non-Cancer values. Method A values are only used if there are no Method B values
- **Table 11**: Off-Site Borings for Wells soil sampling results during well installation in July 2021. Results are compared to the lowest of the CLARC Method B Cancer or Method B Non-Cancer direct contact values. In cases without published Method B values, the protection of groundwater (POGW) value for vadose zone is used
- **Table 12**: Comprehensive table of all detected analytes in groundwater from permanent monitoring wells, 2011 through 2021
- **Table 13:** Comprehensive table of all detected analytes in groundwater from temporary monitoring wells, 2009 through 2021

2.5.1 Soil Vapor Results Summary

1,3-Butadiene was detected at a concentration of 10 micrograms per cubic meter ($\mu g/m^3$) in the sample from off-site boring VI2.5-01. The CLARC Deep Soil Gas Screening Level Method B Cancer value is 8.3 $\mu g/m^3$. The air toxin 1,3-Butadiene is not a site COPC. 1,3-Butadiene is sometimes detected and invariably its presence is associated with direct push sampling through a tight formation. It is believed the friction from drilling heats up o-rings or other components and results in emissions of 1,3-Butadiene. The chemical does not persist in the soil and therefore is not found during any follow up testing (Eklund 2020).

Table A: Soil Vapor Results Summary

Phase 2.5 RI Soil Vapor Sample ID/Sample Date	Air Toxin	Concentration (µg/m^3)	Standard (µg/m^3)
VI2.5-01 11/10/2021	1,3-butadiene	10	8.3[BC]

µg/m^3 – micrograms per cubic meter. BC - CLARC Deep Soil Gas Method B Cancer.

2.5.2 Groundwater Results Summary

Arsenic concentrations in groundwater samples from on-site wells MW-3R, MW-4, and MW-5R ranged from 30 to 71 micrograms per liter (µg/L), exceeding the MCL of 10 µg/L. None of the off-site groundwater samples reported arsenic concentrations above the MCL.

Two detections of 1,2-dichloroethane were reported in the Phase 2.5 RI groundwater samples, each at 2.4 µg/L in on-site groundwater samples from MW-3 and MW-5, below the MCL of 5 µg/L.

The 1,2-dichloropropane result of 42 µg/L in the groundwater sample from on-site well MW-4 exceeded the MCL of 5 µg/L. In all other Phase 2.5 RI groundwater samples, 1,2-dichloropropane was reported as non-detected with laboratory reporting limits of 1 µg/L.

The herbicide 2-methyl-4-chlorophenoxy-2-propionic acid, also known as MCPP, was reported at a concentration of 58 J µg/L in the groundwater sample from on-site well MW-4, above the CLARC Method C Non-Cancer value of 35 µg/L. Note there is no published CLARC Method C Cancer value for this herbicide. The concentration of 33 J MCPP in one off-site groundwater sample from well MW-7D exceeded the CLARC Method B Non-Cancer value of 16 µg/L, with no published CLARC Method B Cancer value for this analyte. MCPP was reported as non-detected in all other groundwater samples, including the duplicate sample from MW-7D, although the reporting limits were elevated an order of magnitude above the standard.

Nitrate/Nitrite as N exceeded the 1,000 µg/L standard for nitrate and the 10,000 µg/L standard for nitrate in all on-site groundwater samples: MW-3R (11,000 B µg/L), MW-4 (20,000 B µg/L), and MW-5R (12,000 B µg/L). None of the groundwater samples from the off-site wells exceeded the standard for nitrate, but all exceeded the standard for nitrite, with concentrations ranging from 2,400 to 3,700 µg/L.

Table B: Groundwater Results Summary

Phase 2.5 RI Groundwater Sample ID/Sample Date	Groundwater Contaminant	Concentration (µg/L)	Standard (µg/L)
MW-3R-20210914 9/14/2021	Arsenic Nitrate Nitrite as N	71 11,000 B	10[MCL] 1,000/10,000 [MCL]
MW-4-20210914 9/14/2021	Arsenic 1,2-Dichloropropane MCPP Nitrate Nitrite as N	30 42 58 J 20,000 B	10 [MCL] 5 [MCL] 35 [BNC] 1,000/10,000 [MCL]
MW-5R-20210914	Arsenic Nitrate Nitrite as N	71 12,000 B	10 [MCL] 1,000/10,000 [MCL]
MW-6D 7/29/2021	Nitrate Nitrite as N	3,700	1,000/10,000 [MCL]
MW-6D-20210914 9/14/2021	Nitrate Nitrite as N	2,900 B	1,000/10,000 [MCL]

Phase 2.5 RI Groundwater Sample ID/Sample Date	Groundwater Contaminant	Concentration (µg/L)	Standard (µg/L)
MW-7D 7/29/2021	MCPP Nitrate Nitrite as N	33 J 3,000	16 [BNC] 1,000/10,000 [MCL]
MW-7D (duplicate MW-7D) 7/29/2021	MCPP Nitrate Nitrite as N	400 UJ 2,900	16 [BNC] 1,000/10,000 [MCL]
MW-7D-20210914 9/14/2021	Nitrate Nitrite as N	2,400 B	1,000/10,000 [MCL]

Shaded rows are on-site wells. µg/L – micrograms per liter. MCL – WA state maximum contaminant level. BNC – CLARC Method B Non-Cancer. B – also detected in blank. J – estimated concentration. UJ – estimated, non-detected.

2.5.3 Off-Site Soil Results Summary

Arsenic was the only contaminant present at concentrations exceeding standards in the off-site soil samples collected during monitoring well installation. Arsenic concentrations ranged from 9.6 to 14 milligrams per kilogram (mg/kg). The CLARC Method B Cancer direct contact value is 0.67 mg/Kg. Arsenic in off-site soils is not site-related and is likely ubiquitous in the area. Note the WA state background concentration for arsenic is 7 mg/Kg.

Table C: Off-Site Soil Results Summary

Phase 2.5 RI Off-Site Soil Sample ID/Sample Date	Soil Contaminant	Concentration (mg/Kg)	Standard (mg/Kg)
MW-6D; 10' 7/30/2021	Arsenic	14	0.67 [BC]/ 7[BG]
MW-6D; 12' 7/30/2021	Arsenic	9.6	0.67 [BC]/ 7[BG]
MW-7D; 12' 7/30/2021	Arsenic	14	0.67 [BC]/ 7[BG]
MW-7D; 8' 7/30/2021	Arsenic	10	0.67 [BC]/ 7[BG]

mg/kg – milligrams per kilogram. BC – CLARC Method B Cancer. BG – WA state background concentration.

3 Discussion and Recommendations

In July 2021, two new downgradient monitoring wells (MW-6D and MW-7D) were installed to obtain groundwater data from a deeper zone (screened from approximately 26 to 36 feet bgs (MW-6D) and 27 to 37 (MW-7D) feet bgs), below the zones in which the previously-installed wells are screened (approximately 6 to 22 feet bgs (MW-6) and 9 to 24 feet bgs (MW-7)), to evaluate vertical gradients and groundwater quality. Soil samples were collected during well drilling and groundwater samples were collected from MW-6D and MW-7D after the wells were developed. Monitoring wells MW-6D and MW-7D were sampled again on September 14, 2021, along with MW-4, MW-5R, and MW-3R. Groundwater level measurements were collected from monitoring wells (MW-3, MW-4, MW-5R, MW-6D, and MW-7D) during the groundwater sampling activities in order to evaluate groundwater flow direction. Groundwater level measurements taken in September 2021 at MW-6, MW-6D, MW-7, and MW-7D indicate that there is minimal to no vertical gradient present between the shallow and deep wells.

In November 2021, 38 boreholes were direct push drilled using a GeoProbe drill rig for on-site soil vapor headspace screening with a PID. During the direct push borings, grab samples were collected

for agronomic soil suitability sampling from five locations. Also, in November, five direct push borings were taken for off-site Tier 1 soil vapor intrusion sampling.

The on-site soil suitability testing (agronomic soil suitability tests) was performed on on-site soil samples collected from five locations at various depths (total of 15 samples). Results are summarized in **Table 7** (Appendix B) and laboratory reports presented in Appendix C. The goal was to assess soils for suitability for support vegetative growth as part of evaluating potential remedial actions for the site. One potential remedial approach is phytoremediation, where plants are used to exert hydraulic control and also potentially extract constituents of concern in soils and shallow groundwater. In general, soils are suitable for vegetation growth where the major nutrients of nitrogen, phosphorus, and potassium are at sufficient levels. However, phytoremediation at this location would be limited by:

- Salt levels (reported as EC – electrical conductivity in **Table 7**) are high and could limit growth of salt sensitive vegetation,
- Organic matter is low, which is expected for subsurface soils, and soil amendments (e.g. compost) would likely be required,
- Small available area (approximately 1 acre) does not allow for many trees to be installed, which limits the potential area influenced and/or remediated,
- COC uptake (would not address all COCs on site), and
- Seasonal dependence.

This soil suitability information will be further utilized during the feasibility study portion of this project.

In July, off-site soil samples at MW-6D and MW-7D tested above the Washington CLARC level for arsenic. The arsenic soil concentrations in the new off-site well locations ranged from 9.6 to 14 mg/kg, which is above both the CLARC Method B Cancer direct contact value of 0.67 mg/kg and the Washington state-wide arsenic background concentration of 7 mg/kg (Ecology publication #94-115, Natural Background Soils Metals Concentrations in Washington State). The off-site results are not likely related to the contamination on-site.

Neither 1,2-dichloroethane nor 1,2-dichloropropane were detected in the soil or groundwater samples from the new off-site wells MW-6D and MW-7D. 1,2-dichloropropane is still present in on-site groundwater at a concentration about eight times the WA State MCL. Nitrate nitrite as N is present in on-site groundwater above the MCLs for both nitrate and nitrite, and off-site groundwater concentrations are above the MCL for nitrite.

The herbicide MCPP was detected in both on- and off-site groundwater samples, in both instances in one well only, at concentrations exceeding the applicable CLARC Methods Non-Cancer values.

Based on the results of the high PID readings just west of the former excavated area (**Figure 5,** Appendix A), and considering the 17 benzene exceedances, with concentrations ranging from 5.5 to 11,000 ug/L, in the 2020 and 2021 Phase 1 and 2 RI groundwater data (HDR 2020b and 2021c), there is still a source of volatile organics in on-site groundwater and likely also in soil. The highest benzene concentration in the 2020 groundwater sampling results (location BH2-3) is immediately adjacent to the larger of the on-site buildings. The vapor intrusion groundwater screening level for benzene is 2.4 ug/L. Additional data collection is recommended to better delineate the source area

and determine if on-site vapor intrusion impacts are present. Recommendations for the next, and expected final, phase of remedial work (Phase 3 Remedial Investigation) include:

1. On-site sub-slab VI investigation with concurrent indoor air (Tier 2) inside the two buildings to the west of the area with high PID hits and above the area with benzene exceedances in groundwater. This would need to be conducted before early May to take advantage of the heating season (when buildings are heated during cold weather).
2. Ground penetrating radar (GPR) of the area with the high PID readings to look for buried anomalies (potential source areas) and below ground utilities.
3. Geoprobe delineation of soil contamination within the area of high PID readings, biased to the highest PID readings and in areas around subsurface anomalies, if found.
4. Collect pre-remedial design parameters that may include additional physical and/or biological soil property analysis and potential groundwater parameters that have not yet been collected.

Once this data is collected from Phase 3, the RI report will be finalized, and the FS will be developed to evaluate and support the selection of the remedial action(s) to be employed for the Site.

Simplot will develop a Phase 3 RI Work Plan upon receipt of comments or approval from Department of Ecology on this report; this information will be used to support the RI effort.

4 References

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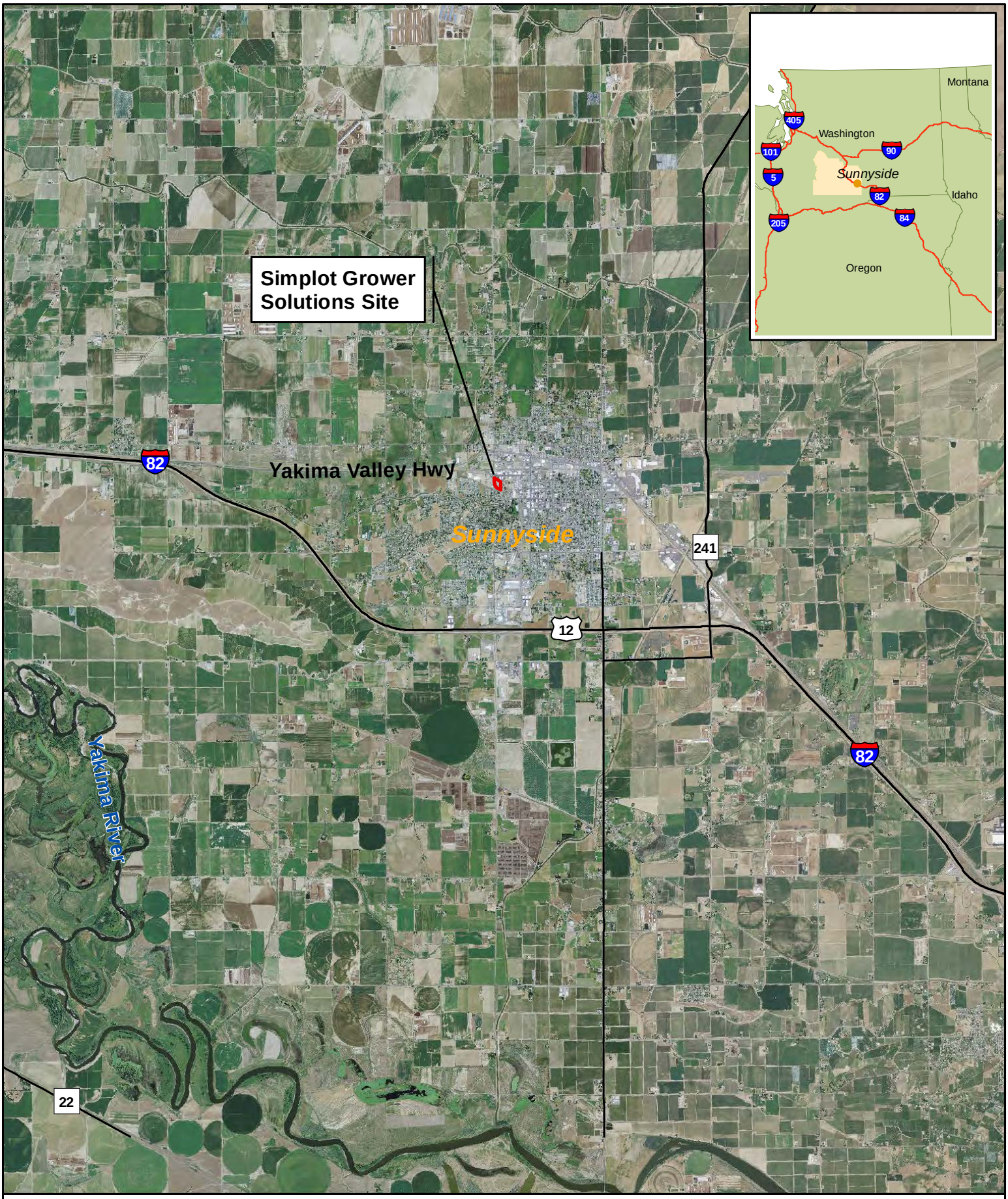
A

Figures



0 0.5 1 1.5
Miles

Figure 1: Vicinity Map
Simplot Grower Solutions, Sunnyside, WA

Imagery: 2009 NAIP 1 meter resolution
Source: NRCS/USDA Digitial Gateway

Map Date: Friday, May 18, 2012
Q:\Simplot\Sunnyside\map_docs\SiteMap.mxd

HDR | ONE COMPANY Many Solutions℠

Figure 2: Site Map
Simplot Grower Solutions, Sunnyside, WA

Imagery: ESRI World Imagery Map Service, Image Date 10/18/2018
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Monday, August 5, 2019
Q:\Simplot\Sunnyside\map_docs\SiteMap.mxd

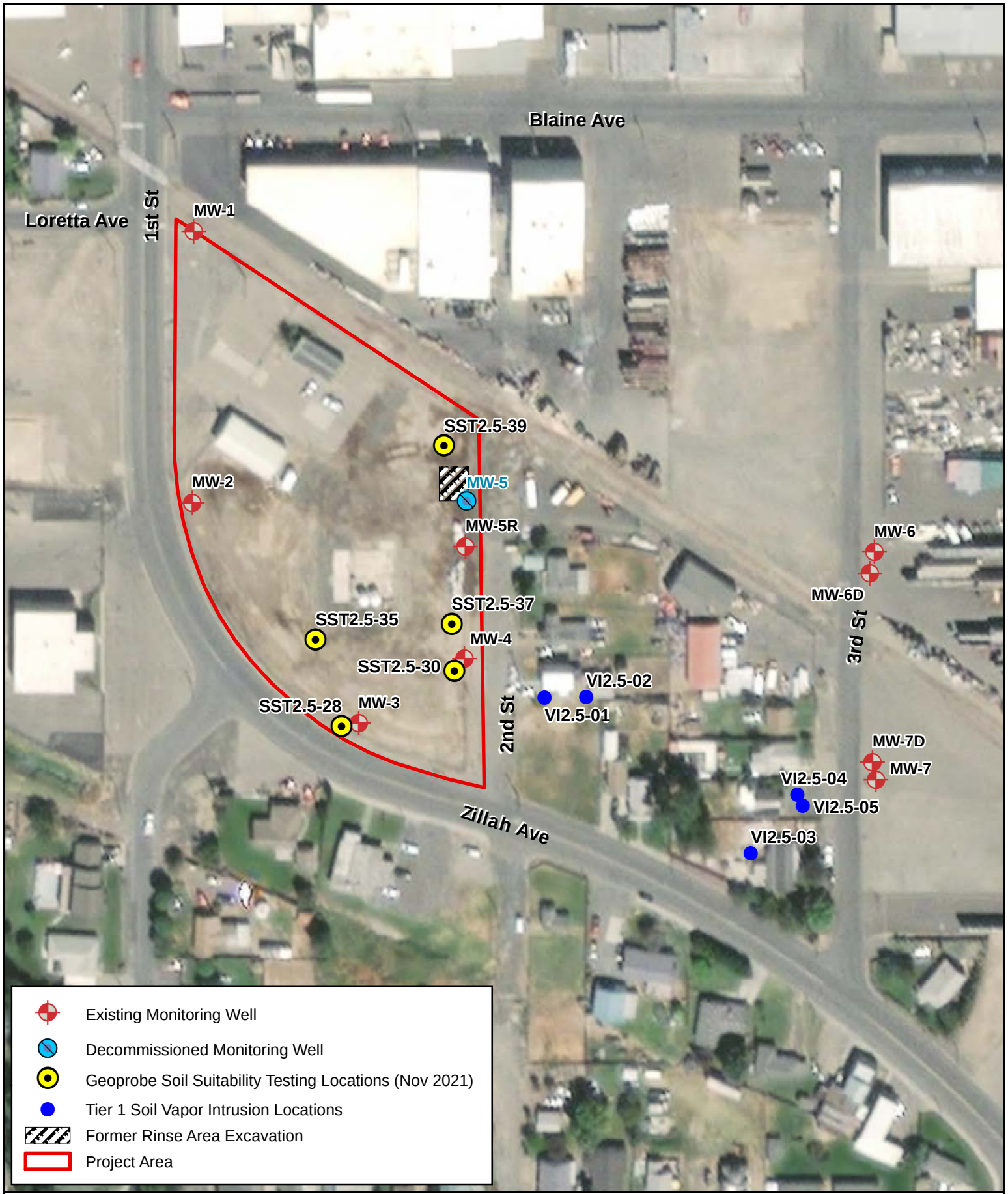


Figure 3: Boring Locations

Simplot Grower Solutions, Sunnyside, WA

Imagery: ESRI World Imagery Map Service, Image Date 10/18/2018
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Friday, January 14, 2022
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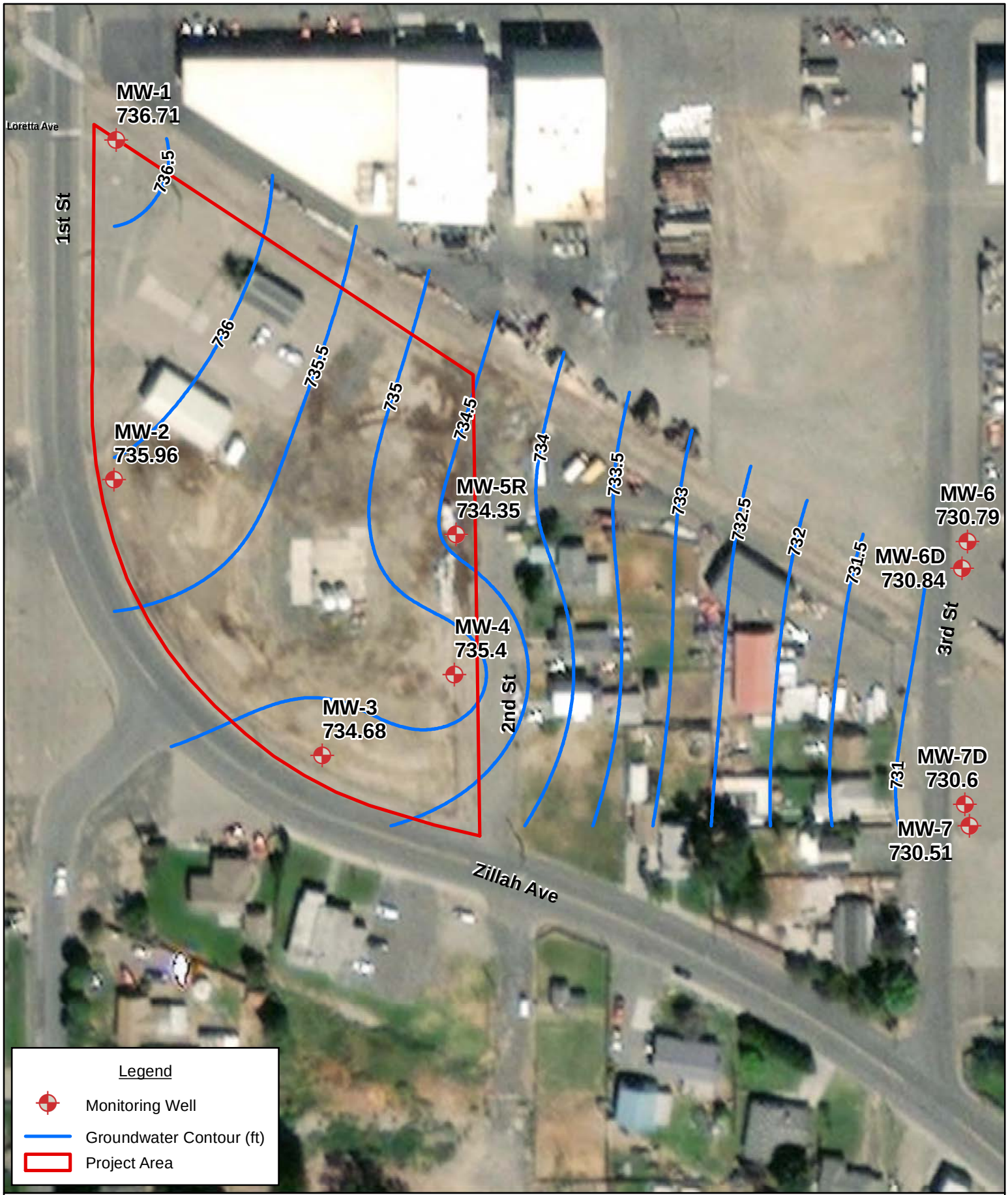

Figure 4: September 2021 Groundwater Elevation Contours
Simplot Grower Solutions, Sunnyside, WA

Imagery: ESRI World Imagery Map Service, Image Date 9/01/2019
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Tuesday, January 11, 2022
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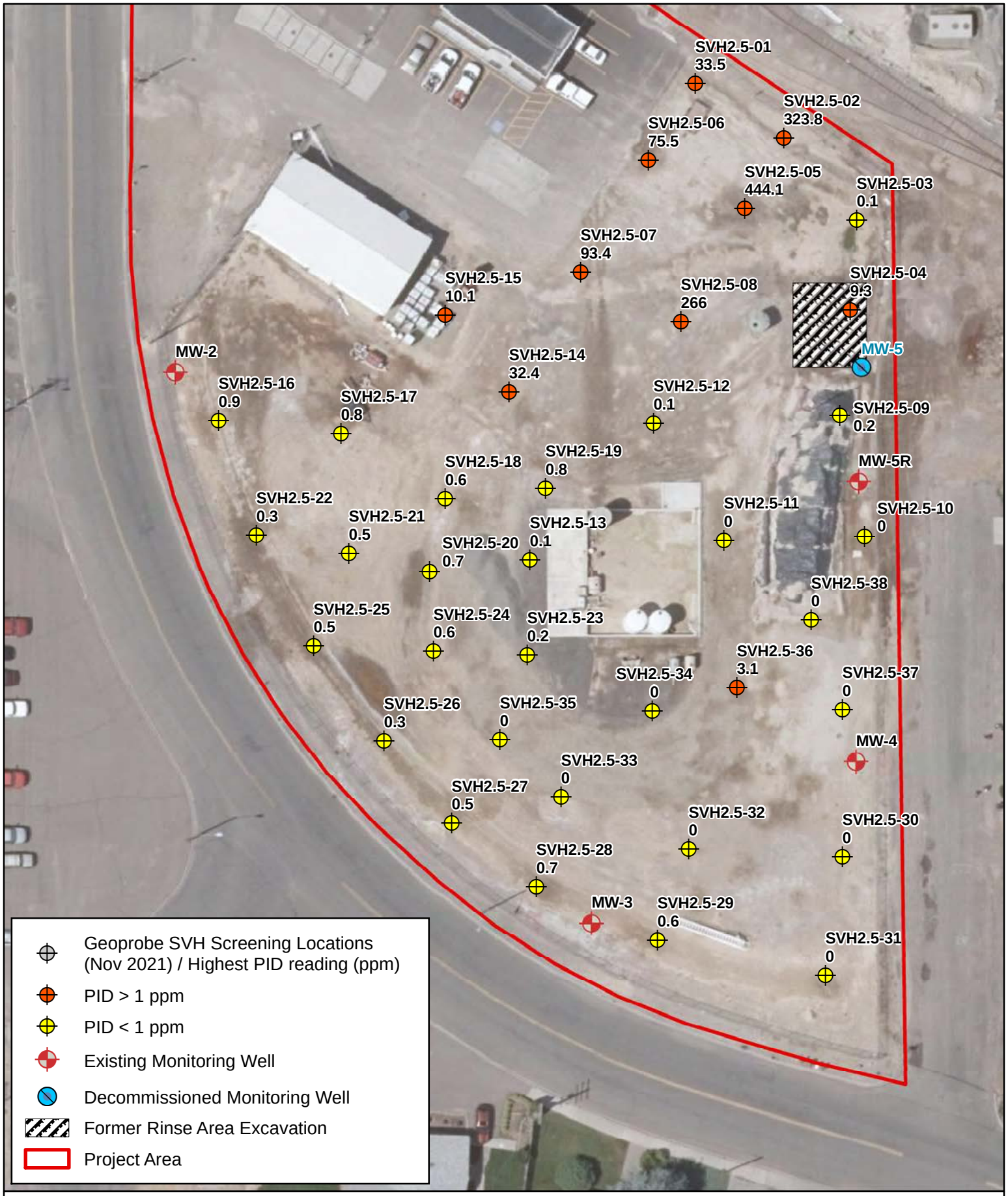

Figure 5: Soil Vapor Headspace Boring Locations and PID Results

Simplot Grower Solutions, Sunnyside, WA

Imagery: ESRI World Imagery Map Service, Image Date 10/18/2018
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Wednesday, January 12, 2022
\\boi-srv1\GIS\Simplot\Sunnyside\map_docs\GeoProbeLocations.mxd

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Tables

Table 1. Site Timeline - Early Notice Letter to Present

Year	Date	Event
2008	October 1	Early Notice Letter from Ecology to Simplot.
2008	February 9	Simplot letter to Ecology indicating HDR has been hired and requesting a meeting.
2009	March 19	Simplot and Ecology meeting to discuss Volunteer Cleanup Program options.
2009	May	Simplot enters Volunteer Cleanup Program with Ecology.
2009	May	*Preliminary Site Investigation Work Plan* submitted to Ecology.
2009	July 7	Ecology opinion on Work Plan in letter to Simplot.
2009	September 23 and 24	Work plan field activities conducted including using a GeoProbe for sampling of soil and groundwater.
2009	December 17	*Preliminary Site Investigation Report* submitted to Ecology.
2010	June 4	Ecology response letter to the December 17, 2009 Preliminary Site Investigation Report.
2010	July	*Monitoring Well Construction and Sampling Work Plan* submitted to Ecology. Work plan included installation of five monitoring wells and quarterly sampling for one year.
2010	December	Ecology approval of work plan.
2011	March 15 and 16	Five groundwater monitoring wells installed.
2011	March 17	First quarter groundwater sampling.
2011	April	*Monitoring Well Construction and Sampling Report* submitted to Ecology.
2011	June 30	Second quarter groundwater sampling.
2011	September 15	Third quarter groundwater sampling.
2011	December 16	Fourth quarter groundwater sampling.
2012	May	*2011 Monitoring Well Sampling Report* submitted to Ecology
2012	May 24	Simplot and Ecology meeting in Yakima discuss monitoring results and next activities including need to assess off-site subsurface drains.
2012	June	Simplot coordinated with Sunnyside, WA, and SVID[1] on drain system layout.
2012	July	*Source Removal, Drain Evaluation, Monitoring Well Construction and Sampling Work Plan* submitted to Ecology.
2012	September 12	HDR met with SVID and Sunnyside, WA, representatives to investigate drain system and manhole access near the Simplot property. These manholes are part of the drain evaluation described in the July 2012 Work Plan.
2012	November 20	HDR letter to Ecology regarding "Modification to Source Removal and Additional Investigation Work Plan, July 2012" – recommended installation of off-site monitoring wells prior to drain study.
2012	November	Two offsite and one onsite monitoring wells installed. MW-5 abandoned due to rinsate area excavation.
2012	December 4 and 5	Rinsate area excavation and new round of well sampling including newly installed monitoring wells.
2013	February	*Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* submitted to Ecology.

Table 1. Site Timeline - Early Notice Letter to Present

Year	Date	Event
2013	April	Supplemental drain evaluation conducted and monitoring wells sampled.
2013	July	Monitoring wells sampled.
2013	September	Supplemental Drain Evaluation and Monitoring Well Sampling Report submitted to Ecology. Report recommended meeting with Ecology to discuss next steps in project.
2013	October	Groundwater sampling, report submitted to Ecology.
2014	October	Groundwater sampling, report submitted to Ecology.
2015	April	Groundwater sampling, report submitted to Ecology.
2015	October	Groundwater sampling, report submitted to Ecology.
2016	April	Groundwater sampling, report submitted to Ecology.
2016	October	Groundwater sampling, report submitted to Ecology.
2017	May	Groundwater sampling, report submitted to Ecology.
2017	December	Groundwater sampling, report submitted to Ecology.
2018	April/June	Groundwater sampling, report submitted to Ecology.
2018	September	Groundwater Sampling, report submitted to Ecology.
2019	June	Simplot entered into an Agreed Order (AO), DE 16446, with Ecology on June 26, 2019.
2019	October	Draft Remedial Investigation Work Plan submitted to Ecology
2020	January	Groundwater Sampling – Phase 1 RI monitoring wells and GeoProbe borings, report submitted to Ecology.
2020	June	Sampling and Analysis Plan – Phase 2 RI activities for additional geoprobe borings and groundwater sampling
2020/ 2021	December/January	Phase 2 RI field activities
2021	March	Phase 2 RI Report
2021	June	Phase 2.5 Sampling Analysis Plan
2022	January	Phase 2.5 RI Report (this document)

[1]SVID=Sunnyside Valley Irrigation District; HDR=HDR, Inc.

Table 2. Analyses for Monitoring Well Boring Soil Samples[1]

Analytical Parameter	Method	Preservative	Holding Times
Volatile Organic Compounds (VOCs) (full list)	EPA 8260D	Methanol and 4°C	48 hours
Ethylene Dibromide (EDB)	EPA 8011	4°C	14 days
Chlorinated Herbicides (full list)	EPA 8151A	4°C	14 days
Resource and Recovery Act (RCRA) Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver)	EPA 6020B, EPA 7471A	4°C	28 days
Nitrate+Nitrite, as N	EPA 353.2	4°C	28 days
Ammonia-N	EPA 350.1	4°C	28 days
Northwest Gasoline Range Organics (GRO)	NWTPH-Gx	Methanol and 4°C	14 days
Northwest Diesel Range Organics (DRO)	NWTPH-Dx	4°C	14 days

[1]See RI-Work Plan and supplements for analysis selection for each sample.
EPA=U.S. Environmental Protection Agency.

Table 3. Analyses for Groundwater Samples[1]

Analytical Parameter	Method	Preservative	Holding Times
Volatile Organic Compounds (VOCs) (full list)	EPA 8260D	HCl and 4°C	14 days
Ethylene Dibromide (EDB)	EPA 8011	4°C	14 days
Chlorinated Herbicides (full list)	EPA 8151A	4°C	7 days
Resource and Recovery Act (RCRA) Metals, Dissolved (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). Field filtered.	EPA 6020B, EPA 7470A	HNO_3	28 days
Nitrate+Nitrite, as N	EPA 353.2	H_2SO_4 and 4°C	28 days
Ammonia-N	EPA 350.1	H_2SO_4 and 4°C	28 days
Northwest Gasoline Range Organics (GRO)	NWTPH-Gx	HCl and 4°C	14 days
Northwest Diesel Range Organics (DRO)	NWTPH-Dx	HCl and 4°C	14 days

[1]See RI-Work Plan and supplements for analysis selection for each sample.
EPA=U.S. Environmental Protection Agency; HCl=hydrochloric acid; HNO_3=nitric acid; H_2SO_4=sulfuric acid

Table 4. QA/QC Field Samples for Phase 2.5 Sampling

Monitoring Well Boring Soil Samples		
QA/QC Type	**Number of Samples**	**Description**
Duplicate Soil	1	Duplicate is collected using the same sampling technique as the original sample for soil.
Trip Blank (method specific)	1	Soil sample taken from the lab to the sampling site and then transported back to the laboratory without having been exposed to sampling procedures (bottles stay sealed the entire time).
Monitoring Well Groundwater Samples		
QA/QC Type	**Number of Samples**	**Description**
Duplicate Groundwater	1 per event	Duplicate is collected using the same sampling technique as the original sample for groundwater.
Equipment Rinsate Blank	1 per event	Equipment rinsate blank taken from sampling equipment after decontamination.
Trip Blank (method specific)	1 per cooler	Water sample taken from the lab to the sampling site and then transported back to the laboratory without having been exposed to sampling procedures (bottles stay sealed the entire time).
Tier I Vapor Intrusion Soil Gas Samples		
QA/QC Type	**Number of Samples**	**Description**
Duplicate Soil Gas	1	Duplicate is collected using the same sampling technique as the original sample for soil gas.
Ambient Air	2	Ambient Air blank will be collected at the frequency of one per day of sampling and be collected simultaneously with soil gas sampling.

No QA/QC samples were collected during the soil suitability testing event.

Table 5. Depth to Groundwater and Groundwater Elevations for September 2021

Well	Reference Elevation	Measured Depth to Water	Groundwater Elevations
	(feet)		
MW-1	745.76	9.05	736.71
MW-2	745.34	9.38	735.96
MW-3	745.58	10.90	734.68
MW-4	744.95	9.55	735.4
MW-5R	745.41	11.06	734.35
MW-6	743.61	12.82	730.79
MW-6D	743.67	12.83	730.84
MW-7	743.20	12.69	730.51
MW-7D	743.42	12.82	730.60

Table 6. Phase 2.5 RI Investigation GeoProbe Soil Vapor Extraction Boring Photoionization Detector (PID) Summary, November 2021

Highest value for each borehole is highlighted in yellow.

Borehole	Depth feet (ft)	PID Reading parts per million (ppm)
SVH2.5-01	1	0.0
	6	0.0
	11	33.5
SVH2.5-02	3	0.0
	7	0.0
	8	323.8
SVH2.5-03	3	0.0
	7	0.1
	9	0.1
SVH2.5-04	3	0.0
	6	0.0
	11	9.3
SVH2.5-05	4	0.1
	6	0.8
	11	444.1
SVH2.5-06	3	0.2
	7	1.5
	12	75.5
SVH2.5-07	2	1.6
	6	5.2
	11	93.4
SVH2.5-08	3	0.2
	5	0.4
	11	266
SVH2.5-09	2	0.2
	7	0.1
	11	0.1
SVH2.5-10	3	0.0
	5	0.0
	11	0.0
SVH2.5-11	3	0.0
	5	0.0
	12	0.0
SVH2.5-12	3	0.0
	8	0.0
	12	0.1

Table 6. Phase 2.5 RI Investigation GeoProbe Soil Vapor Extraction Boring Photoionization Detector (PID) Summary, November 2021

Highest value for each borehole is highlighted in yellow.

Borehole	Depth feet (ft)	PID Reading parts per million (ppm)
SVH2.5-13	4	0.0
	5	0.0
	11	0.1
SVH2.5-14	5	0.2
	9	2.4
	12	32.4
SVH2.5-15	4	0.1
	8	2.0
	12	10.1
SVH2.5-16	4	0.8
	11	1.0
	12	0.9
SVH2.5-17	8	0.6
	10	0.8
	12	0.8
SVH2.5-18	8	0.5
	10	0.5
	12	0.6
SVH2.5-19	4	0.8
	8	0.5
	12	0.5
SVH2.5-20	4	0.4
	8	0.7
	12	0.7
SVH2.5-21	4	0.3
	8	0.5
	12	0.3
SVH2.5-22	4	0.3
	8	0.2
	13	0.3
SVH2.5-23	4	0.2
	8	0.0
	12	0.1
SVH2.5-24	4	0.1
	8	0.6
	12	0.6

Table 6. Phase 2.5 RI Investigation GeoProbe Soil Vapor Extraction Boring Photoionization Detector (PID) Summary, November 2021

Highest value for each borehole is highlighted in yellow.

Borehole	Depth feet (ft)	PID Reading parts per million (ppm)
SVH2.5-25	4	0.5
	10	0.3
	12	0.5
SVH2.5-26	4	0.3
	8	0.0
	12	0.3
SVH2.5-27	4	0.1
	8	0.5
	12	0.3
SVH2.5-28	8	0.6
	12	0.7
SVH2.5-29	4	0.0
	8	0.3
	12	0.6
SVH2.5-30	8	0.0
	10	0.0
	12	0.0
SVH2.5-31	4	0.0
	8	0.0
	12	0.0
SVH2.5-32	8	0.0
	10	0.0
	12	0.0
SVH2.5-33	4	0.0
	8	0.0
	12	0.0
SVH2.5-34	4	0.0
	8	0.0
	12	0.0
SVH2.5-35	4	0.0
	8	0.0
	12	0.0
SVH2.5-36	8	3.1
	10	0.1
	12	0.0

Table 6. Phase 2.5 RI Investigation GeoProbe Soil Vapor Extraction Boring Photoionization Detector (PID) Summary, November 2021

Highest value for each borehole is highlighted in yellow.

Borehole	Depth feet (ft)	PID Reading parts per million (ppm)
SVH2.5-37	8	0.0
	11	0.0
	12	0.0
SVH2.5-38	8	0.0
	10	0.0
	12	0.0

Table 7. Soil Suitability Results

Field ID	Depth		NO3 -N	NH4 -N	P	K	SO4-S	B	OM	pH	EC	Zn	Mn	Cu	Fe	Ca	Mg	Na	Effervescence	Total Bases	Cl	Ca	Mg	Na	SAR	CCE	Bicarb
	Inches				Bicarb ppm	Am. Acet. ppm										Meq/ 100g	Meq/ 100g	Meq/ 100g					Saturation Paste ppm				
	Start	End	ppm	ppm			ppm	ppm	%		mmho/cm	ppm	ppm	ppm	ppm					Meq/100g	ppm	ppm		ppm		%	Meq/100g
SST2.5-28	6	12	52.1	2.3	32	343	1544	1.77	1.13	7.6	6.66	11.1	2.5	3.1	14	22.9	3.4	5.79	Medium	32.96	24	373	124	1290	14.78	18.5	1.23
SST2.5-28	12	18	20.0	2.8	19	245	1540	1.40	0.98	7.9	6.11	4.0	2.0	2.1	17	36.1	5.1	5.06	Heavy	46.92	18	396	127	874	9.78	24.0	1.13
SST2.5-28	18	24	18.9	2.3	8	161	754	0.80	0.59	7.9	3.56	0.4	0.9	2.1	12	15.8	7.0	5.41	Slight	28.68	20	275	112	611	7.84	13.8	1.22
SST2.5-30	6	12	302.7	3.0	19	607	237	6.27	0.93	8.4	4.11	2.6	2.8	2.3	17	13.6	2.7	4.79	Slight	22.66	33	470	91	1178	13.03	19.5	0.86
SST2.5-30	12	18	16.4	2.5	12	521	194	4.53	0.75	8.3	2.64	0.4	2.0	1.9	18	14.6	3.6	4.95	Slight	24.51	26	215	48	828	13.31	16.8	1.19
SST2.5-30	18	24	319.4	2.2	7	338	265	3.06	0.66	8.2	3.22	0.3	1.3	2.3	12	17.8	5.6	7.42	Slight	31.70	36	305	81	999	13.14	2.5	1.00
SST2.5-35	6	12	242.0	2.6	36	578	1595	1.72	1.17	7.9	7.66	8.7	2.3	2.3	14	22.8	4.0	6.95	Medium	35.25	44	402	146	1391	15.11	18.8	1.17
SST2.5-35	12	18	72.5	3.0	26	503	1428	1.18	0.94	8.0	5.95	1.2	1.6	1.6	16	33.8	4.0	5.17	Heavy	44.21	24	333	88	836	10.53	29.3	0.87
SST2.5-35	18	24	65.4	3.3	9	314	188	0.66	0.93	8.5	1.68	0.3	1.2	1.7	17	16.5	5.3	5.07	Slight	27.60	31	83	34	581	13.58	25.8	1.24
SST2.5-37	6	12	26.3	3.3	22	625	937	3.57	0.76	7.7	2.60	1.3	1.9	1.9	19	21.4	3.6	1.37	Heavy	27.90	6	434	79	232	2.70	25.0	1.27
SST2.5-37	12	18	29.1	2.6	14	436	141	2.80	0.82	8.2	1.06	1.8	1.5	2.0	16	17.9	4.7	1.48	Medium	25.12	10	182	43	162	2.80	34.8	0.78
SST2.5-37	18	24	57.4	2.4	9	320	158	2.68	0.85	8.1	1.12	1.0	1.1	2.5	11	25.5	7.5	2.10	Heavy	35.84	10	171	44	157	2.77	25.3	0.78
SST2.5-39	6	12	109.1	5.0	46	850	110	2.21	0.75	7.0	1.54	35.1	40.3	3.0	24	18.7	6.3	1.94	None	29.17	16	233	67	202	2.99	27.0	1.69
SST2.5-39	12	18	227.8	3.0	40	786	147	3.27	0.84	7.9	1.86	1.0	2.3	2.0	13	25.1	6.3	1.73	Heavy	35.14	24	416	94	194	2.23	17.5	0.74
SST2.5-39	18	24	273.5	6.5	33	402	123	1.93	0.81	7.8	2.10	0.4	4.2	1.7	13	22.4	6.2	1.28	Heavy	30.82	26	499	127	166	1.72	31.3	0.74

ppm = parts per million; mmho/cm = millimhos per centimeter; meq/100g = millequivalents per 100 grams

Table 8. Air Toxin Detections

Soil Boring	Sample Date	Compound Name	Reporting Limit (ppbv)	Results* (ppbv)	Reporting Limit (ug/m^3)	Results* (ug/m^3)	CLARC Deep Soil Gas Screening Level Method B Noncancer (ug/m^3)	CLARC Deep Soil Gas Screening Level Method B Cancer (ug/m^3)
VI2.5-01	11/10/2021	1,3-Butadiene	0.66	4.6	1.5	***10***	91	8.3
		Acetone	6.6	14	16	33	1400000	--
		2-Butanone (Methyl Ethyl Ketone)	2.6	3.2	7.8	9.3	230,000	--
		Benzene	0.66	0.69	2.1	2.2	1400	32
		Toluene	0.66	0.99	2.5	3.7	230,000	--
		m,p-Xylene	0.66	1.0	2.9	4.5	4600	--
VI2.5-02	11/10/2021	1,3-Butadiene	0.66	2.0	1.4	4.6	91	8.3
		Acetone	6.6	8.5	16	20	1400000	--
		Benzene	0.66	0.72	2.1	2.3	1400	32
		Toluene	0.66	3.2	2.5	12	230,000	--
		Tetrachloroethene	0.66	1.6	4.4	11	1800	960
		Ethyl Benzene	0.66	1.3	2.8	5.6	46000	--
		m,p-Xylene	0.66	5.1	2.8	22	4600	--
		o-Xylene	0.66	1.4	2.8	6.3	4600	--
		4-Ethyltoluene	0.66	0.84	3.2	4.1	--	--
		1,2,4-Trimethylbenzene	0.66	0.90	3.2	4.4	2700	--
VI2.5-03	11/10/2021	1,3-Butadiene	0.66	1.2	1.5	2.6	91	8.3
		Acetone	6.6	18	16	42	1400000	--
		Benzene	0.66	0.66	2.1	2.1	1400	32
		Toluene	0.66	3.3	2.5	13	230,000	--
		Tetrachloroethene	0.66	1.7	4.5	12	1800	960
		Ethyl Benzene	0.66	1.4	2.9	6.1	46000	--
		m,p-Xylene	0.66	5.3	2.9	23	4600	--
		o-Xylene	0.66	1.6	2.9	7.1	4600	--
		4-Ethyltoluene	0.66	0.84	3.2	4.1	--	--
		1,2,4-Trimethylbenzene	0.66	0.92	3.2	4.5	2700	--
VI2.5-04	11/10/2021	1,3-Butadiene	0.66	1.8	1.5	4.0	91	8.3
		Acetone	6.6	7.5	16	18	1400000	--
		Toluene	0.66	2.0	2.5	7.4	1400	32
		Tetrachloroethene	0.66	1.1	4.5	7.5	230,000	--
		Ethyl Benzene	0.66	1.0	2.9	4.5	1800	960
		m,p-Xylene	0.66	3.4	2.9	15	46000	--
		o-Xylene	0.66	1.1	2.9	4.8	4600	--
		1,2,4-Trimethylbenzene	0.66	0.67	3.2	3.3	2700	--
VI2.5-05	11/10/2021	1,3-Butadiene	0.71	2.8	1.6	6.1	91	8.3
		Acetone	7.1	9.8	17	23	1400000	--
		Hexane	0.71	1.2	2.5	4.2	32000	--
		Heptane	0.71	0.73	2.9	3.0	18000	--
		Toluene	0.71	2.4	2.7	9.2	230,000	--

Table 8. Air Toxin Detections

Soil Boring	Sample Date	Compound Name	Reporting Limit (ppbv)	Results* (ppbv)	Reporting Limit (ug/m^3)	Results* (ug/m^3)	CLARC Deep Soil Gas Screening Level Method B Noncancer (ug/m^3)	CLARC Deep Soil Gas Screening Level Method B Cancer (ug/m^3)
		Tetrachloroethene	0.71	1.3	4.8	9.1	1800	960
		Ethyl Benzene	0.71	1.4	3.1	5.9	46000	--
		m,p-Xylene	0.71	4.8	3.1	21	4600	--
		o-Xylene	0.71	1.4	3.1	6.2	4600	--
		4-Ethyltoluene	0.71	0.87	3.5	4.3	--	--
		1,2,4-Trimethylbenzene	0.71	0.91	3.5	4.5	2700	--
VI2.5-20	11/10/2021	1,3-Butadiene	0.68	1.3	1.5	2.9	91	8.3
		Acetone	6.8	14	16	34	1400000	--
		Benzene	0.68	0.69	2.2	2.2	1400	32
		Toluene	0.68	3.2	2.6	12	230,000	--
		Tetrachloroethene	0.68	1.8	4.6	12	1800	960
		Ethyl Benzene	0.68	1.4	3.0	6.0	46000	--
		m,p-Xylene	0.68	5.2	3.0	23	4600	--
		o-Xylene	0.68	1.6	3.0	6.8	4600	--
		1,2,4-Trimethylbenzene	0.68	0.88	3.3	4.3	2700	--

* Reported result for 4-Ethyltoluene in samples V12.5-02 and V12.5-03 may be biased high due to co-elution with a non-target compound with similar characteristic ions. Both the primary and secondary ion for 4-Ethyltoluene exhibited potential interference.

Yellow highlighted, bold, italic result exceeds standard.

ppvb = parts per billion by volume; ug/m^3 = micrograms per cubic meter; CLARC = Ecology Cleanup Levels and Risk Calculation

Analytical Method/Analyte/Notes	CAS #	Sample ID: / Sample Date: / Lab ID: / Standard	MW-3R-20210914 / 9/14/2021 / 590-15906-5 Result (ug/L)	Q	MW-4-20210914 / 9/14/2021 / 590-15906-3 Result (ug/L)	Q	MW-5R-20210914 / 9/14/2021 / 590-15906-4 Result (ug/L)	Q
350.1								
Ammonia as N	7664-41-7	NS	100	U	100	U	100	U
353.2								
Nitrate Nitrite as N	14797-65-0; 14797-55-8	1000	***11000***	B	***20000***	B	***12000***	B
8011								
1,2-Dibromoethane (EDB)	106-93-4	0.05	0.01	U	0.01	U	0.01	U
6020B								
Arsenic	7440-38-2	10	***71***		***30***		***71***	
Barium	7440-39-3	2000	35		43		34	
Cadmium	7440-43-9	5	2	U	2	U	0.19	J
Chromium	7440-47-3	100	4	U	4	U	4	U
Lead	7439-92-1	15	2	U	2	U	2	U
Selenium	7782-49-2	50	40	U	40	U	40	U
Silver	7440-22-4	180	2	U	2	U	2	U
7470A								
Mercury	7439-97-6	2	0.3	U	0.3	U	0.3	U
8151A								
2,4,5-T	93-76-5	350	0.96	U	0.95	U	0.95	U
2,4-D	94-75-7	70	3.8	U	3.8	U	3.8	U
2,4-DB	94-82-6	1100	3.8	U	3.8	U	3.8	U
Dalapon	75-99-0	200	1.9	U	1.9	U	1.9	U
Dicamba	1918-00-9	1100	1.9	U	1.9	U	1.9	U
Dichlorprop	120-36-5	NS	3.8	U	3.8	U	3.8	U
Dinoseb	88-85-7	7	0.96	UJ	0.95	UJ	0.95	UJ
Picloram	1918-02-1	500	0.48	U	0.48	U	0.47	U
Silvex (2,4,5-TP)	93-72-1	50	0.96	U	0.95	U	0.95	U
2-methyl-4-chlorophenoxy-2-propionic acid (MCPP)	93-65-2	35	*380*	U	***58***	J	*380*	U
2-methyl-4-chlorophenoxy-acetic acid (MCPA)	94-74-6	18	*380*	U	*380*	U	*380*	U
8260D								
1,1,1,2-Tetrachloroethane	630-20-6	17	1	U	1	U	1	U
1,1,1-Trichloroethane	71-55-6	200	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	79-34-5	2.2	2	U	2	U	2	U
1,1,2-Trichloroethane	79-00-5	5	2	U	2	U	2	U
1,1-Dichloroethane	75-34-3	77	1	U	1	U	1	U
1,1-Dichloroethene	75-35-4	7	1	U	1	U	1	U
1,1-Dichloropropene	563-58-6	NS	1	U	1	U	1	U
1,2,3-Trichlorobenzene	87-61-6	14	1	U	1	U	1	U
1,2,3-Trichloropropane	96-18-4	0.015	*2*	U	*2*	U	*2*	U
1,2,4-Trichlorobenzene	120-82-1	70	1	U	1	U	1	U
1,2,4-Trimethylbenzene	95-63-6	180	1	U	1	U	1	U
1,2-Dibromo-3-Chloropropane	96-12-8	0.2	*10*	U	*10*	U	*10*	U
1,2-Dibromoethane (EDB)	106-93-4	0.05	*1*	U	*1*	U	*1*	U
1,2-Dichlorobenzene	95-50-1	600	1	U	1	U	1	U

Analytical Method/Analyte/Notes	CAS #	Sample ID: / Sample Date: / Lab ID: / Standard	MW-3R-20210914 / 9/14/2021 / 590-15906-5 / Result (ug/L)	Q	MW-4-20210914 / 9/14/2021 / 590-15906-3 / Result (ug/L)	Q	MW-5R-20210914 / 9/14/2021 / 590-15906-4 / Result (ug/L)	Q
1,2-Dichloroethane	107-06-2	5	2.4		1	U	2.4	
1,2-Dichloropropane	78-87-5	5	1	U	***42***		1	U
1,3,5-Trimethylbenzene	108-67-8	180	1	U	1	U	1	U
1,3-Dichlorobenzene	541-73-1	NS	1	U	1	U	1	U
1,3-Dichloropropane	142-28-9	350	2	U	2	U	2	U
1,4-Dichlorobenzene	106-46-7	75	1	U	1	U	1	U
2,2-Dichloropropane	594-20-7	NS	2	U	2	U	2	U
2-Chlorotoluene	95-49-8	350	1	U	1	U	1	U
4-Chlorotoluene	106-43-4	NS	1	U	1	U	1	U
Benzene	71-43-2	5	0.4	U	0.4	U	0.4	U
Bromobenzene	108-86-1	140	1	U	1	U	1	U
Bromochloromethane	74-97-5	NS	2	U	2	U	2	U
Bromodichloromethane	75-27-4	80	1	U	1	U	1	U
Bromoform	75-25-2	80	5	U	5	U	5	U
Bromomethane	74-83-9	25	5	U	5	U	5	U
Carbon tetrachloride	56-23-5	5	1	U	1	U	1	U
Chlorobenzene	108-90-7	100	1	U	1	U	1	U
Chloroethane	75-00-3	NS	2	U	2	U	2	U
Chloroform	67-66-3	80	1	U	1	U	1	U
Chloromethane	74-87-3	NS	3	U	3	U	3	U
cis-1,2-Dichloroethene	156-59-2	70	1	U	1	U	1	U
cis-1,3-Dichloropropene	10061-01-5	NS	1	U	1	U	1	U
Dibromochloromethane	124-48-1	80	2	U	2	U	2	U
Dibromomethane	74-95-3	180	2	U	2	U	2	U
Dichlorodifluoromethane	75-71-8	3500	2	U	2	U	2	U
Ethylbenzene	100-41-4	700	1	U	1	U	1	U
Hexachlorobutadiene	87-68-3	5.6	2	U	2	U	2	U
Isopropylbenzene	98-82-8	1800	1	U	1	U	1	U
m,p-Xylene	179601-23-1	NS	2	U	2	U	2	U
Methyl tert-butyl ether	1634-04-4	240	1	U	1	U	1	U
Methylene Chloride	75-09-2	5	5	U	5	U	5	U
Naphthalene	91-20-3	350	2	U	2	U	2	U
n-Butylbenzene	104-51-8	880	1	U	1	U	1	U
N-Propylbenzene	103-65-1	1800	1	U	1	U	1	U
o-Xylene	95-47-6	3500	1	U	1	U	1	U
p-Isopropyltoluene	99-87-6	NS	1	U	1	U	1	U
sec-Butylbenzene	135-98-8	1800	1	U	1	U	1	U
Styrene	100-42-5	100	1	U	1	U	1	U
tert-Butylbenzene	98-06-6	1800	1	U	1	U	1	U
Tetrachloroethene	127-18-4	5	1	U	1	U	1	U
Toluene	108-88-3	1000	1	U	1	U	1	U
trans-1,2-Dichloroethene	156-60-5	100	1	U	1	U	1	U
trans-1,3-Dichloropropene	10061-02-6	NS	1	U	1	U	1	U

		Sample ID:	MW-3R-20210914		MW-4-20210914		MW-5R-20210914	
		Sample Date:	9/14/2021		9/14/2021		9/14/2021	
		Lab ID:	590-15906-5		590-15906-3		590-15906-4	
Analytical Method/Analyte/Notes	**CAS #**	**Standard**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**
Trichloroethene	79-01-6	5	1	U	1	U	1	U
Trichlorofluoromethane	75-69-4	5300	1	U	1	U	1	U
Vinyl chloride	75-01-4	2	0.4	U	0.4	U	0.4	U
NWTPH-Dx								
Diesel Range Organics (DRO) (C10-C25)	DRO-C10-C25	500	230	U	230	U	230	U
Residual Range Organics (RRO) (C25-C36)	RRO-C25-C36	500	380	U	380	U	380	U
NWTPH-Gx								
Gasoline	GAS	250	150	U	150	U	150	U

Analytical Method/Analyte/Notes

Units for standards and results -
micrograms per liter (ug/L)
NS - no standard
B - analyte also found in blank
J - estimated concentration
JB - estimated, also found in blank
U - non-detected
UJ - non-detected, estimated concentration
Bold, yellow highlighted result -
Concentration exceeds standard
Italic result - laboratory reporting limit is
above standard
Standards used for on-site groundwater:
Lowest of the CLARC State MCL, Method C
Cancer or Method C Non Cancer values
Value used for nitrate/nitrite is for nitrite
Values used for NWTPH-DX and -GX results
are the PQLs

		Sample ID:	MW-6D		MW-6D-20210914		MW-7D		MW-7D DUP		MW-7D-20210914	
		Sample Date:	7/29/2021		9/14/2021		7/29/2021		7/29/2021 12:00		9/14/2021	
		Lab ID:	590-15596-1		590-15906-1		590-15596-2		590-15596-3		590-15906-2	
Analytical Method/Analyte/Notes	**CAS #**	**Standard**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**
350.1												
Ammonia as N	7664-41-7	NS	33	J	100	U	100	U	100	U	100	U
353.2												
Nitrate Nitrite as N	14797-65-0; 14797-55-8	1000	***3700***		***2900***	B	***3000***		***2900***		***2400***	B
8011												
1,2-Dibromoethane (EDB)	106-93-4	0.05	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
6020B												
Arsenic	7440-38-2	10	6.3		3.5	J	4.5	J	6.1		4.4	J
Barium	7440-39-3	2000	190		78		58	J	110	J	48	
Cadmium	7440-43-9	5	2	U	2	U	2	U	2	U	2	U
Chromium	7440-47-3	100	13		2.3	J	4	J	10	J	2.7	J
Lead	7439-92-1	15	4.5		2	U	2	UJ	2.8	J	2	U
Selenium	7782-49-2	50	40	U	40	U	40	U	40	U	40	U
Silver	7440-22-4	80	2	U	2	U	2	U	2	U	2	U
7470A												
Mercury	7439-97-6	2	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
8151A												
2,4,5-T	93-76-5	160	0.99	UJ	0.95	U	0.98	UJ	0.99	UJ	0.95	U
2,4-D	94-75-7	70	3.9	UJ	3.8	U	0.87	J	4	UJ	3.8	U
2,4-DB	94-82-6	480	3.9	UJ	3.8	U	1.3	J	4	UJ	3.8	U
Dalapon	75-99-0	200	2	UJ	1.9	U	2	UJ	2	UJ	1.9	U
Dicamba	1918-00-9	480	2	UJ	1.9	U	2	UJ	2	UJ	1.9	U
Dichlorprop	120-36-5	NS	3.9	UJ	3.8	U	0.64	J	4	UJ	3.8	U
Dinoseb	88-85-7	7	0.99	UJ	0.95	UJ	0.98	UJ	0.99	UJ	0.95	UJ
Picloram	1918-02-1	500	0.49	UJ	0.48	U	0.49	UJ	0.5	UJ	0.47	U
Silvex (2,4,5-TP)	93-72-1	50	0.99	UJ	0.95	U	0.98	UJ	0.99	UJ	0.95	U
2-methyl-4-chlorophenoxy-2-propionic acid (MCPP)	93-65-2	16	*390*	UJ	*380*	U	***33***	J	*400*	UJ	*380*	U
2-methyl-4-chlorophenoxy-acetic acid (MCPA)	94-74-6	8	*390*	UJ	*380*	U	*390*	UJ	*400*	UJ	*380*	U
8260D												
1,1,1,2-Tetrachloroethane	630-20-6	1.7	1	U	1	U	1	U	1	U	1	U
1,1,1-Trichloroethane	71-55-6	200	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	79-34-5	0.22	*2*	U	*2*	U	*2*	U	*2*	U	*2*	U
1,1,2-Trichloroethane	79-00-5	5	2	U	2	U	2	U	2	U	2	U
1,1-Dichloroethane	75-34-3	7.7	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	75-35-4	7	1	U	1	U	1	U	1	U	1	U
1,1-Dichloropropene	563-58-6	NS	1	U	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	87-61-6	6.4	1	U	1	U	1	U	1	U	1	U
1,2,3-Trichloropropane	96-18-4	0.00038	*2*	U	*2*	U	*2*	U	*2*	U	*2*	U
1,2,4-Trichlorobenzene	120-82-1	70	1	U	1	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	95-63-6	80	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-Chloropropane	96-12-8	0.2	*10*	U	*10*	U	*10*	U	*10*	U	*10*	U
1,2-Dibromoethane (EDB)	106-93-4	0.05	*1*	U	*1*	U	*1*	U	*1*	U	*1*	U
1,2-Dichlorobenzene	95-50-1	600	1	U	1	U	1	U	1	U	1	U

		Sample ID:	MW-6D		MW-6D-20210914		MW-7D		MW-7D DUP		MW-7D-20210914	
		Sample Date:	7/29/2021		9/14/2021		7/29/2021		7/29/2021 12:00		9/14/2021	
		Lab ID:	590-15596-1		590-15906-1		590-15596-2		590-15596-3		590-15906-2	
Analytical Method/Analyte/Notes	CAS #	Standard	Result (ug/L)	Q	Result (ug/L)	Q	Result (ug/L)	Q	Result (ug/L)	Q	Result (ug/L)	Q
1,2-Dichloroethane	107-06-2	5	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	78-87-5	5	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	108-67-8	80	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	541-73-1	NS	1	U	1	U	1	U	1	U	1	U
1,3-Dichloropropane	142-28-9	160	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	106-46-7	75	1	U	1	U	1	U	1	U	1	U
2,2-Dichloropropane	594-20-7	NS	2	U	2	U	2	U	2	U	2	U
2-Chlorotoluene	95-49-8	160	1	U	1	U	1	U	1	U	1	U
4-Chlorotoluene	106-43-4	NS	1	U	1	U	1	U	1	U	1	U
Benzene	71-43-2	5	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Bromobenzene	108-86-1	64	1	U	1	U	1	U	1	U	1	U
Bromochloromethane	74-97-5	NS	2	U	2	U	2	U	2	U	2	U
Bromodichloromethane	75-27-4	80	1	U	1	U	1	U	1	U	1	U
Bromoform	75-25-2	80	5	U	5	U	5	U	5	U	5	U
Bromomethane	74-83-9	11	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	56-23-5	5	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	108-90-7	100	1	U	1	U	1	U	1	U	1	U
Chloroethane	75-00-3	NS	2	U	2	U	2	U	2	U	2	U
Chloroform	67-66-3	80	1	U	1	U	1	U	1	U	1	U
Chloromethane	74-87-3	NS	3	U	3	U	3	U	3	U	3	U
cis-1,2-Dichloroethene	156-59-2	70	1	U	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	10061-01-5	NS	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	124-48-1	80	2	U	2	U	2	U	2	U	2	U
Dibromomethane	74-95-3	80	2	U	2	U	2	U	2	U	2	U
Dichlorodifluoromethane	75-71-8	1600	2	U	2	U	2	U	2	U	2	U
Ethylbenzene	100-41-4	700	1	U	1	U	1	U	1	U	1	U
Hexachlorobutadiene	87-68-3	0.56	*2*	U	*2*	U	*2*	U	*2*	U	*2*	U
Isopropylbenzene	98-82-8	800	1	U	1	U	1	U	1	U	1	U
m,p-Xylene	179601-23-1	NS	2	U	2	U	2	U	2	U	2	U
Methyl tert-butyl ether	1634-04-4	20	1	U	1	U	1	U	1	U	1	U
Methylene Chloride	75-09-2	5	5	U	5	U	5	U	5	U	5	U
Naphthalene	91-20-3	160	2	U	2	U	2	U	2	U	2	U
n-Butylbenzene	104-51-8	400	1	U	1	U	1	U	1	U	1	U
N-Propylbenzene	103-65-1	800	1	U	1	U	1	U	1	U	1	U
o-Xylene	95-47-6	1600	1	U	1	U	1	U	1	U	1	U
p-Isopropyltoluene	99-87-6	NS	1	U	1	U	1	U	1	U	1	U
sec-Butylbenzene	135-98-8	800	1	U	1	U	1	U	1	U	1	U
Styrene	100-42-5	100	1	U	1	U	1	U	1	U	1	U
tert-Butylbenzene	98-06-6	800	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	127-18-4	5	1	U	1	U	1	U	1	U	1	U
Toluene	108-88-3	1000	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	156-60-5	100	1	U	1	U	1	U	1	U	1	U
trans-1,3-Dichloropropene	10061-02-6	NS	1	U	1	U	1	U	1	U	1	U

		Sample ID:	MW-6D		MW-6D-20210914		MW-7D		MW-7D DUP		MW-7D-20210914	
		Sample Date:	7/29/2021		9/14/2021		7/29/2021		7/29/2021 12:00		9/14/2021	
		Lab ID:	590-15596-1		590-15906-1		590-15596-2		590-15596-3		590-15906-2	
Analytical Method/Analyte/Notes	**CAS #**	**Standard**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**	**Result (ug/L)**	**Q**
Trichloroethene	79-01-6	5	1	U	1	U	1	U	1	U	1	U
Trichlorofluoromethane	75-69-4	2400	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	75-01-4	2	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
NWTPH-Dx												
Diesel Range Organics (DRO) (C10-C25)	DRO-C10-C25	500	240	U	230	U	280	U	330	U	230	U
Residual Range Organics (RRO) (C25-C36)	RRO-C25-C36	500	410	U	390	U	470	U	*540*	U	380	U
NWTPH-Gx												
Gasoline	GAS	250	150	U	150	U	150	U	150	U	150	U

Analytical Method/Analyte/Notes

Units for standards and results -
micrograms per liter (ug/L)
NS - no standard
B - analyte also found in blank
J - estimated concentration
JB - estimated, also found in blank
U - non-detected
UJ - non-detected, estimated concentration
Bold, yellow highlighted result -
Concentration exceeds standard
Italic result - laboratory reporting limit is
above standard
Standards used for off-site groundwater:
Lowest of the CLARC State MCL, Method A, Method B
Cancer or Method B Non-Cancer values
Standard used for nitrate/nitrite is for nitrite
Standards used for NWTPH-DX and -GX results
are the PQLs

			Sample ID:	MW-6D;10'		MW-6D;12'		MW-7D;12'		MW-7D;8'	
			Sample Date:	7/30/2021		7/30/2021		7/30/2021		7/30/2021	
			Lab ID:	590-15596-7		590-15596-6		590-15596-8		590-15596-9	
Analytical Method/Analyte/Notes	**CAS #**	**Standard**	**POGW**	**Result (mg/Kg)**	**Q**	**Result (mg/Kg)**	**Q**	**Result (mg/Kg)**	**Q**	**Result (mg/Kg)**	**Q**
350.1											
Ammonia as N	7664-41-7	NS	NS	34	UJ	33	U	31	U	33	U
353.2											
Nitrate Nitrite as N	14797-65-0; 14797-55-8	8000	NS	67	B	15	B	1.1	JB	29	B
8011											
1,2-Dibromoethane (EDB)	106-93-4	0.5	0.000018	0.00011	U	0.0001	UJ	0.000098	U	0.0001	U
6020B											
Arsenic	7440-38-2	0.67	0.15	***14***		***9.6***		***14***		***10***	
Barium	7440-39-3	16000	83	180		170		230		250	
Cadmium	7440-43-9	NS	NS	0.19	J	0.086	J	0.17	J	0.21	J
Chromium	7440-47-3	NS	NS	15		15		16		30	
Lead	7439-92-1	3000	150	12		11		8.8		17	
Selenium	7782-49-2	400	0.26	3.3		3.5		3.9		5.7	
Silver	7440-22-4	400	0.69	0.051	J	0.049	J	0.043	J	0.11	J
7471A											
Mercury	7439-97-6	2.1	0.1	0.031	U	0.0095	J	0.012	J	0.014	J
8151A											
2,4,5-T	93-76-5	800	0.063	0.027	U	0.052	U	0.024	U	0.053	U
2,4-D	94-75-7	800	0.022	0.11	U	0.21	U	0.096	U	0.21	U
2,4-DB	94-82-6	2400	0.32	0.11	U	0.21	U	0.096	U	0.21	U
Dalapon	75-99-0	2400	0.058	0.053	U	0.1	U	0.048	U	0.11	U
Dicamba	1918-00-9	2400	0.15	0.053	U	0.1	U	0.048	U	0.11	U
Dichlorprop	120-36-5	NS	NS	0.11	U	0.21	U	0.096	U	0.21	U
Silvex (2,4,5-TP)	93-72-1	640	0.023	0.027	U	0.052	U	0.024	U	0.053	U
2-methyl-4-chlorophenoxy-2-propionic acid (MCPP)	93-65-2	80	0.0054	11	U	21	U	9.6	U	21	U
2-methyl-4-chlorophenoxy-acetic acid (MCPA)	94-74-6	40	0.0025	11	U	21	U	9.6	U	21	U
8260D											
1,1,1,2-Tetrachloroethane	630-20-6	38	0.00063	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,1,1-Trichloroethane	71-55-6	160000	0.084	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,1,2,2-Tetrachloroethane	79-34-5	5	0.00008	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,1,2-Trichloroethane	79-00-5	18	0.0011	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,1-Dichloroethane	75-34-3	180	0.0026	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,1-Dichloroethene	75-35-4	4000	0.0025	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,1-Dichloropropene	563-58-6	NS	NS	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,2,3-Trichlorobenzene	87-61-6	64	0.011	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,2,3-Trichloropropane	96-18-4	0.0063	0.00000015	*0.37*	UJ	*0.49*	UJ	*0.24*	UJ	*0.31*	UJ
1,2,4-Trichlorobenzene	120-82-1	34	0.029	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,2,4-Trimethylbenzene	95-63-6	800	0.072	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,2-Dibromo-3-Chloropropane	96-12-8	0.23	0.000058	*0.93*	UJ	*1.2*	UJ	*0.6*	UJ	*0.78*	UJ
1,2-Dibromoethane (EDB)	106-93-4	0.5	0.000018	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,2-Dichlorobenzene	95-50-1	7200	0.4	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,2-Dichloroethane	107-06-2	11	0.0016	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,2-Dichloropropane	78-87-5	27	0.0017	0.22	UJ	0.29	UJ	0.14	UJ	0.19	UJ

Analytical Method/Analyte/Notes	CAS #	Standard	Sample ID: / Sample Date: / Lab ID: / POGW	MW-6D;10' 7/30/2021 590-15596-7 Result (mg/Kg)	Q	MW-6D;12' 7/30/2021 590-15596-6 Result (mg/Kg)	Q	MW-7D;12' 7/30/2021 590-15596-8 Result (mg/Kg)	Q	MW-7D;8' 7/30/2021 590-15596-9 Result (mg/Kg)	Q
1,3,5-Trimethylbenzene	108-67-8	800	0.071	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,3-Dichlorobenzene	541-73-1	NS	NS	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,3-Dichloropropane	142-28-9	1600	0.057	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
1,4-Dichlorobenzene	106-46-7	190	0.068	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
2,2-Dichloropropane	594-20-7	NS	NS	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
2-Chlorotoluene	95-49-8	1600	0.11	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
4-Chlorotoluene	106-43-4	NS	NS	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Benzene	71-43-2	18	0.0017	0.037	UJ	0.049	UJ	0.024	UJ	0.031	UJ
Bromobenzene	108-86-1	640	0.033	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Bromochloromethane	74-97-5	NS	NS	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Bromodichloromethane	75-27-4	16	0.0022	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Bromoform	75-25-2	130	0.023	0.37	UJ	0.49	UJ	0.24	UJ	0.31	UJ
Bromomethane	74-83-9	110	0.0033	0.93	UJ	1.2	UJ	0.6	UJ	0.78	UJ
Carbon tetrachloride	56-23-5	14	0.0022	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Chlorobenzene	108-90-7	1600	0.051	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Chloroethane	75-00-3	NS	NS	0.37	UJ	0.49	UJ	0.24	UJ	0.31	UJ
Chloroform	67-66-3	32	0.0048	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Chloromethane	74-87-3	NS	NS	0.93	UJ	1.2	UJ	0.6	UJ	0.78	UJ
cis-1,2-Dichloroethene	156-59-2	160	0.0052	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
cis-1,3-Dichloropropene	10061-01-5	NS	NS	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Dibromochloromethane	124-48-1	12	0.0017	0.37	UJ	0.49	UJ	0.24	UJ	0.31	UJ
Dibromomethane	74-95-3	800	0.025	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Dichlorodifluoromethane	75-71-8	16000	0.53	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Ethylbenzene	100-41-4	8000	0.34	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Hexachlorobutadiene	87-68-3	13	0.00063	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Isopropylbenzene	98-82-8	8000	0.79	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
m,p-Xylene	179601-23-1	NS	NS	0.74	UJ	0.97	UJ	0.48	UJ	0.63	UJ
Methyl tert-butyl ether	1634-04-4	560	0.0072	0.093	UJ	0.12	UJ	0.06	UJ	0.078	UJ
Methylene Chloride	75-09-2	94	0.0015	0.65	UJ	0.85	UJ	0.42	UJ	0.55	UJ
Naphthalene	91-20-3	1600	0.24	0.37	UJ	0.49	UJ	0.24	UJ	0.31	UJ
n-Butylbenzene	104-51-8	4000	0.71	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
N-Propylbenzene	103-65-1	8000	0.88	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
o-Xylene	95-47-6	16000	0.84	0.37	UJ	0.49	UJ	0.24	UJ	0.31	UJ
p-Isopropyltoluene	99-87-6	NS	NS	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
sec-Butylbenzene	135-98-8	8000	1.3	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Styrene	100-42-5	16000	0.12	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
tert-Butylbenzene	98-06-6	8000	1	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Tetrachloroethene	127-18-4	480	0.0028	0.074	UJ	0.097	UJ	0.048	UJ	0.063	UJ
Toluene	108-88-3	6400	0.27	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
trans-1,2-Dichloroethene	156-60-5	1600	0.032	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
trans-1,3-Dichloropropene	10061-02-6	NS	NS	0.19	UJ	0.24	UJ	0.12	UJ	0.16	UJ
Trichloroethene	79-01-6	12	0.0015	0.047	UJ	0.061	UJ	0.03	UJ	0.039	UJ
Trichlorofluoromethane	75-69-4	24000	0.79	0.37	UJ	0.49	UJ	0.24	UJ	0.31	UJ

			Sample ID:	MW-6D;10'		MW-6D;12'		MW-7D;12'		MW-7D;8'	
			Sample Date:	7/30/2021		7/30/2021		7/30/2021		7/30/2021	
			Lab ID:	590-15596-7		590-15596-6		590-15596-8		590-15596-9	
Analytical Method/Analyte/Notes	**CAS #**	**Standard**	**POGW**	**Result (mg/Kg)**	**Q**	**Result (mg/Kg)**	**Q**	**Result (mg/Kg)**	**Q**	**Result (mg/Kg)**	**Q**
Vinyl chloride	75-01-4	0.67	0.00009	0.11	UJ	0.15	UJ	0.072	UJ	0.094	UJ
Moisture											
Percent Moisture	Moist	NS	NS	26.2		24		20		25.3	
Percent Solids	Solids	NS	NS	73.8		76		80		74.7	
NWTPH-Dx											
Diesel Range Organics (DRO) (C10-C25)	DRO-C10-C25	100	100	13	U	13	U	12	U	13	U
Residual Range Organics (RRO) (C25-C36)	RRO-C25-C36	NS	NS	8.1	J	33	U	31	U	12	J
NWTPH-Gx											
Gasoline	GAS	5	5	*9.3*	U	*12*	U	*6*	U	*7.8*	U

Analytical Method/Analyte/Notes

Units for standards and results -
milligrams per kilogram (mg/Kg)
NS - no standard. POGW - protection of groundwater
B - analyte also found in blank
J - estimated concentration
JB - estimated, also found in blank
U - non-detected
UJ - non-detected, estimated concentration
Bold, yellow highlighted result -
Concentration exceeds standard
Italic result - laboratory reporting limit is
above standard
Comparison standards used for off-site soil:
Lower of the CLARC Method B Cancer
or Method B Non-Cancer direct contact values
If no Method B values, POGW vadose zone is used
POGW values shown but not compared against
unless no other values are available for comparison
Standards used for NWTPH-DX and -GX results
are the PQLs

				MW-1 L524191-01 6/30/2011		L536774-01 9/15/2011		L552817-01 12/16/2011		L609744-01 12/5/2012		L629132-01 4/4/2013	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	770		490		660		--		170	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		140000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***7800***		***6400***		***5600***		--		***5500***	
Metals													
Arsenic	7440-38-2	10	10	***49***		***38***		***36***		***34***		***37***	
Barium	7440-39-3	2000	2000	120		53		34		--		40	
Cadmium	7440-43-9	5	5	***5.5***		--		--		--		--	
Chromium	7440-47-3	100	100	--		--		--		--		--	
Lead	7439-92-1	15	15	--		--		--		--		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	38		--		--		--		15	J
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		0.00089	J	--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		0.00025	

				MW-1 L524191-01 6/30/2011		L536774-01 9/15/2011		L552817-01 12/16/2011		L609744-01 12/5/2012		L629132-01 4/4/2013	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		63	J
Residual Range Organics (RRO)	NA	500	500	--		440	J	--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-1 L648366-03 7/24/2013		L662959-04 10/10/2013		L730692-01 10/28/2014		L762552-01 4/29/2015		L795023-01 10/13/2015	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	180		140		--		--		41.4	J
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	130000		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***5900***		***5100***		--		***4100***		***5780***	
Metals													
Arsenic	7440-38-2	10	10	***34***	JB	***40***		***43***		***30***		***47.8***	
Barium	7440-39-3	2000	2000	57		51		--		57		55.4	
Cadmium	7440-43-9	5	5	5		--		--		1	J	--	
Chromium	7440-47-3	100	100	--		--		--		--		--	
Lead	7439-92-1	15	15	4	J	--		--		--		4.55	J
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	20	J	--		--		8	J	9.02	J
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	1	J	--		--		--		1.88	J
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		0.0000095	J	--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		0.000012	J	--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		0.0000079	J	--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	0.001		0.000022		--		0.000027	J	--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-1 L648366-03 7/24/2013 Result	Q	L662959-04 10/10/2013 Result	Q	L730692-01 10/28/2014 Result	Q	L762552-01 4/29/2015 Result	Q	L795023-01 10/13/2015 Result	Q
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-1 L830956-01 4/19/2016		L870264-01 10/31/2016		L907308-01 5/3/2017		L960490-01 12/27/2017		10425974-002 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	75	J	124	J	112		--		54	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***7600***		***1800***		***11500***		***5710***	J	***5400***	
Metals													
Arsenic	7440-38-2	10	10	***41.8***		***42.3***		***40.2***		***47.3***		***56.2***	
Barium	7440-39-3	2000	2000	51.2		68.1		72.1		52.4		338	
Cadmium	7440-43-9	5	5	--		--		--		--		0.23	
Chromium	7440-47-3	100	100	--		--		--		--		21.6	
Lead	7439-92-1	15	15	--		--		--		--		13.9	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		9.24	J	8.41	J	6.3	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	

				MW-1 L830956-01 4/19/2016		L870264-01 10/31/2016		L907308-01 5/3/2017		L960490-01 12/27/2017		10425974-002 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-1 10429059-002 4/25/2018		10447417-002 9/11/2018		580-92515-1 1/31/2020		580-99774-6 12/10/2020	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General											
Ammonia as N	7664-41-7	NS	NS	--		--		500		46	J
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	--		--		42000		25000	
Sulfate	14808-79-8	NS	NS	--		--		160000		95000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***7200***		***6200***		***14100***		***4400***	JB
Metals											
Arsenic	7440-38-2	10	10	***86.1***		***39.6***		***36***		***43***	
Barium	7440-39-3	2000	2000	1490		122		100		57	
Cadmium	7440-43-9	5	5	1.1		--		4		4	
Chromium	7440-47-3	100	100	70.9		4.1		1.16	J	4	
Lead	7439-92-1	15	15	***43.8***		3.3		4		4	
Mercury	7439-97-6	2	2	--		--		0.3		--	
Selenium	7782-49-2	50	50	11.6		5.4		40		40	
Silver	7440-22-4	180	80	0.68		--		2		2	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		0.17	JB
1,2-Dichloroethane	107-06-2	5	5	--		--		--		0.044	JB
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		0.17	J
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-1 10429059-002 4/25/2018		10447417-002 9/11/2018		580-92515-1 1/31/2020		580-99774-6 12/10/2020	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		--		120		230	
Residual Range Organics (RRO)	NA	500	500	--		--		240	JB	100	J
Gasoline Range Organics (GRO)	NA	250	250	--		--		250		250	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-2 L524191-02 6/30/2011		L536774-02 9/15/2011		L552817-02 12/16/2011		L609744-02 12/5/2012		L629132-02 4/4/2013	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		220		180		--		51	J
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		290000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***5800***		***6200***		***5100***		--		***2500***	
Metals													
Arsenic	7440-38-2	10	10	***81***		***110***		***83***		***60***		***67***	
Barium	7440-39-3	2000	2000	91		49		37		--		56	
Cadmium	7440-43-9	5	5	--		--		--		--		--	
Chromium	7440-47-3	100	100	--		--		--		--		2	J
Lead	7439-92-1	15	15	--		--		--		--		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		--		--		13	J
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	

				MW-2 L524191-02 6/30/2011		L536774-02 9/15/2011		L552817-02 12/16/2011		L609744-02 12/5/2012		L629132-02 4/4/2013	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-2 L648366-04 7/24/2013		L662959-05 10/10/2013		L730692-02 10/28/2014		L762552-02 4/29/2015		L795023-02 10/14/2015	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	100		77	J	--		--		--	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	340000		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2600***		***2800***		--		***2200***		***2600***	
Metals													
Arsenic	7440-38-2	10	10	***58***		***64***		***60***		***47***		***52.6***	
Barium	7440-39-3	2000	2000	64		61		--		82		89.1	
Cadmium	7440-43-9	5	5	5		--		--		1	J	--	
Chromium	7440-47-3	100	100	--		--		--		--		--	
Lead	7439-92-1	15	15	3	J	--		--		--		6.83	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	16	J	--		--		--		--	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	1	J	--		--		--		1.87	J
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		0.0000074	J	--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		0.0000021	J	--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		0.000025	J	--		--		--	

				MW-2 L648366-04 7/24/2013		L662959-05 10/10/2013		L730692-02 10/28/2014		L762552-02 4/29/2015		L795023-02 10/14/2015	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		49	J	--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-2 L830956-02 4/19/2016		L870264-02 10/31/2016		L907308-02 5/3/2017		L960490-02 12/28/2017		10425974-003 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	63	J	--		120		--		60	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2810***		***2980***		***3400***		***3280***	J	***3100***	
Metals													
Arsenic	7440-38-2	10	10	***50.5***		***55.1***		***54.3***		***61.8***		***77.2***	
Barium	7440-39-3	2000	2000	60.6		60		49.5		37.8		302	
Cadmium	7440-43-9	5	5	--		--		--		--		0.21	
Chromium	7440-47-3	100	100	--		--		--		--		17.2	
Lead	7439-92-1	15	15	--		--		--		--		12.1	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		--		--		2.9	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	

				MW-2 L830956-02 4/19/2016		L870264-02 10/31/2016		L907308-02 5/3/2017		L960490-02 12/28/2017		10425974-003 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-2 10429059-003 4/25/2018		10447417-003 9/11/2018		580-92515-2 1/31/2020		580-99774-7 12/10/2020	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General											
Ammonia as N	7664-41-7	NS	NS	--		--		500		33	J
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	--		--		44000		49000	
Sulfate	14808-79-8	NS	NS	--		--		200000		220000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***3500***		***3300***		***2800***	J	***3400***	JB
Metals											
Arsenic	7440-38-2	10	10	***65.9***		***72.2***		***53***		***48***	
Barium	7440-39-3	2000	2000	181		204		48		43	
Cadmium	7440-43-9	5	5	0.11		0.11		4		4	
Chromium	7440-47-3	100	100	8.6		8.7		4		4	
Lead	7439-92-1	15	15	6.2		6.1		4		4	
Mercury	7439-97-6	2	2	--		--		0.3		--	
Selenium	7782-49-2	50	50	3.3		2.7		40		40	
Silver	7440-22-4	180	80	--		--		2		2	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		0.17	JB
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		0.21	J
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-2 10429059-003 4/25/2018		10447417-003 9/11/2018		580-92515-2 1/31/2020		580-99774-7 12/10/2020	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		--		120		***690***	
Residual Range Organics (RRO)	NA	500	500	--		--		180	JB	210	J
Gasoline Range Organics (GRO)	NA	250	250	--		--		250		250	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-3 L524191-03 6/30/2011		L536774-03 9/15/2011		L552817-03 12/16/2011		L609744-03 12/5/2012		L629132-03 4/4/2013	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--		--	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		590000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***8500***		***11000***		***9300***		--		***12000***	
Metals													
Arsenic	7440-38-2	10	10	***62***		***38***		***62***		***36***		***50***	
Barium	7440-39-3	2000	2000	53		46		38		--		43	
Cadmium	7440-43-9	5	5	--		--		--		--		--	
Chromium	7440-47-3	100	100	--		--		--		--		3	J
Lead	7439-92-1	15	15	--		--		--		--		3	J
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	***95***		--		21		--		40	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	

				MW-3 L524191-03 6/30/2011		L536774-03 9/15/2011		L552817-03 12/16/2011		L609744-03 12/5/2012		L629132-03 4/4/2013	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		70	J
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-3 L648366-05 7/24/2013		L662959-06 10/10/2013		L730692-03 10/28/2014		L762552-03 4/29/2015		L795023-03 10/14/2015	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	110		--		--		--		85.3	J
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	630000		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***18000***		--		--		***16000***		***14900***	
Metals													
Arsenic	7440-38-2	10	10	--		***39***		***46***		***26***		***55.4***	
Barium	7440-39-3	2000	2000	46		--		--		44		242	
Cadmium	7440-43-9	5	5	5	J	--		--		1	J	--	
Chromium	7440-47-3	100	100	--		--		--		--		6.94	J
Lead	7439-92-1	15	15	--		--		--		--		***16***	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	***65***		--		--		31		35.8	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	1	J	--		--		--		1.79	J
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		0.000027	J	--		0.000027	J	--	

				MW-3 L648366-05 7/24/2013		L662959-06 10/10/2013		L730692-03 10/28/2014		L762552-03 4/29/2015		L795023-03 10/14/2015	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	77	J	--		--		170		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		110	J	--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-3 L830956-03 4/19/2016		L870264-03 10/31/2016		L907308-03 5/3/2017		L960490-03 12/28/2017		10425974-004 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	58	J	--		47		--		--	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***12100***		***10100***		***10400***		***7490***	J	***6300***	
Metals													
Arsenic	7440-38-2	10	10	***52.1***		***52***		***56.8***		***57***		***58.6***	
Barium	7440-39-3	2000	2000	34.4		38.2		34.2		32.4		225	
Cadmium	7440-43-9	5	5	--		--		--		--		0.09	
Chromium	7440-47-3	100	100	--		1.48	J	--		--		9.8	
Lead	7439-92-1	15	15	--		--		--		--		5.8	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	27.3		25.9		26.2		20.1		19.9	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	

				MW-3 L830956-03 4/19/2016		L870264-03 10/31/2016		L907308-03 5/3/2017		L960490-03 12/28/2017		10425974-004 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-3 10429059-004 4/25/2018		10447417-004 9/11/2018		580-92515-3 1/31/2020		580-99774-8 12/11/2020	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General											
Ammonia as N	7664-41-7	NS	NS	--		--		500		36	J
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	--		--		71000		61000	
Sulfate	14808-79-8	NS	NS	--		--		410000		390000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***6700***		***6600***		***8300***		***5900***	JB
Metals											
Arsenic	7440-38-2	10	10	***91.6***		***50.5***		***56***		***50***	
Barium	7440-39-3	2000	2000	1030		58.2		32		30	
Cadmium	7440-43-9	5	5	0.4		--		4		4	
Chromium	7440-47-3	100	100	59.2		1.3		4		4	
Lead	7439-92-1	15	15	***35.6***		0.73		4		4	
Mercury	7439-97-6	2	2	--		--		0.3		--	
Selenium	7782-49-2	50	50	23.1		16.9		18	J	15	J
Silver	7440-22-4	180	80	--		--		2		2	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		0.092	J	0.08	J
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		0.18	J	0.095	J
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-3 10429059-004 4/25/2018		10447417-004 9/11/2018		580-92515-3 1/31/2020		580-99774-8 12/11/2020	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		--		200		***940***	
Residual Range Organics (RRO)	NA	500	500	--		--		260	JB	360	J
Gasoline Range Organics (GRO)	NA	250	250	--		--		250		250	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-3R-20210914 590-15906-5 9/14/2021		MW-4 L524191-04 6/30/2011		L536774-04 9/15/2011		L552817-04 12/16/2011	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General											
Ammonia as N	7664-41-7	NS	NS	--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		110	J	400	
Chloride	16887-00-6	NS	NS	--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***11000***	JB	***9600***		***8400***		***7800***	
Metals											
Arsenic	7440-38-2	10	10	***71***		***40***		***28***		***31***	
Barium	7440-39-3	2000	2000	35		43		110		41	
Cadmium	7440-43-9	5	5	--		--		--		--	
Chromium	7440-47-3	100	100	--		--		--		--	
Lead	7439-92-1	15	15	--		--		6.2	J	--	
Mercury	7439-97-6	2	2	--		--		--		--	
Selenium	7782-49-2	50	50	--		39		--		--	
Silver	7440-22-4	180	80	--		--		--		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	2.4		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		***16***		***5.6***		4	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-3R-20210914 590-15906-5 9/14/2021 Result	Q	MW-4 L524191-04 6/30/2011 Result	Q	L536774-04 9/15/2011 Result	Q	L552817-04 12/16/2011 Result	Q
Phenanthrene	85-01-8	NS	NS		--		--		--		--
Pyrene	129-00-0	530	240		--		--		--		--
Herbicides											
2,4-D	94-75-7	70	70		--		--		--		--
2,4-DB	94-82-6	1100	480		--		--		--		--
Dalapon	75-99-0	200	200		--		--		--		--
Dicamba	1918-00-9	1100	480		--		--		--		--
Dichlorprop	120-36-5	NS	NS		--		--		--		--
Dinoseb	88-85-7	7	7		--		--		--		--
MCPP	93-65-2	35	16		--		--		--		--
NWTPH											
Diesel Range Organics (DRO)	NA	500	500		--		--		--		--
Residual Range Organics (RRO)	NA	500	500		--		--		--		--
Gasoline Range Organics (GRO)	NA	250	250		--		--		--		--

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-4 L609744-04 12/5/2012		L629132-04 4/4/2013		L648366-06 7/24/2013		L662959-07 10/10/2013		L730692-04 10/28/2014	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		52	J	110		--		--	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		140000		120000		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	--		***6700***		***5100***		--		--	
Metals													
Arsenic	7440-38-2	10	10	***24***		***24***		--		***27***		***32***	
Barium	7440-39-3	2000	2000	--		38		39		--		--	
Cadmium	7440-43-9	5	5	--		0.0096	J	***6***		--		--	
Chromium	7440-47-3	100	100	--		--		--		--		--	
Lead	7439-92-1	15	15	--		--		2	J	--		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		12	J	23		--		--	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	***65***		5		5		4		***6***	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		1	J	--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		0.000025	J	--	

				MW-4 L609744-04 12/5/2012		L629132-04 4/4/2013		L648366-06 7/24/2013		L662959-07 10/10/2013		L730692-04 10/28/2014	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		53	J	--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		52	J	--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-4 L762552-04 4/29/2015		L795023-04 10/14/2015		L830956-04 4/19/2016		L870264-04 10/31/2016		L873154-01 11/15/2016	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		48	J	--		--	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***6200***		***9660***		***11100***		***123000***		***48400***	
Metals													
Arsenic	7440-38-2	10	10	***17***	J	***30.2***		***25.1***		***35.6***		--	
Barium	7440-39-3	2000	2000	55		43		36.2		97.4		--	
Cadmium	7440-43-9	5	5	0.00081	J	--		--		--		--	
Chromium	7440-47-3	100	100	--		--		--		3.8	J	--	
Lead	7439-92-1	15	15	--		5.41		--		--		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		--		28.9		--	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	***6***		***6.89***		***7.52***		***60.3***		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		1.88	J	--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	0.0000088	J	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	0.000049	J	--		--		--		--	

				MW-4 L762552-04 4/29/2015		L795023-04 10/14/2015		L830956-04 4/19/2016		L870264-04 10/31/2016		L873154-01 11/15/2016	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-4 L907308-04 5/3/2017		L960490-04 12/28/2017		10425974-005 3/28/2018		10429059-005 4/25/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General											
Ammonia as N	7664-41-7	NS	NS	--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	39		--		79		--	
Chloride	16887-00-6	NS	NS	--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***74000***		***28500***	J	***38200***		***38000***	
Metals											
Arsenic	7440-38-2	10	10	***31.5***		***27.3***		***43.9***		***47.7***	
Barium	7440-39-3	2000	2000	38.6		43.6		433		586	
Cadmium	7440-43-9	5	5	--		--		0.31		0.32	
Chromium	7440-47-3	100	100	--		--		18.1		32.4	
Lead	7439-92-1	15	15	--		--		***18.9***		***23.4***	
Mercury	7439-97-6	2	2	--		--		--		--	
Selenium	7782-49-2	50	50	12.8		8.9	J	6.4		7.4	
Silver	7440-22-4	180	80	--		--		--		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	***49.2***		***42.8***		***63.7***		***68.6***	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-4 L907308-04 5/3/2017		L960490-04 12/28/2017		10425974-005 3/28/2018		10429059-005 4/25/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-4 10447417-005 9/11/2018		580-92515-4 1/31/2020		580-99774-9 12/11/2020		MW-4-20210914 590-15906-3 9/14/2021	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General											
Ammonia as N	7664-41-7	NS	NS	--		500		31	J	--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	--		64000		51000		--	
Sulfate	14808-79-8	NS	NS	--		190000		170000		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***31800***		***37000***		***18000***	JB	***20000***	JB
Metals											
Arsenic	7440-38-2	10	10	***32.4***		***28***		***29***		***30***	
Barium	7440-39-3	2000	2000	263		56		45		43	
Cadmium	7440-43-9	5	5	0.13		4		4		--	
Chromium	7440-47-3	100	100	11.3		4		4		--	
Lead	7439-92-1	15	15	9.2		4		4		--	
Mercury	7439-97-6	2	2	--		0.3		--		--	
Selenium	7782-49-2	50	50	4.8		40		40		--	
Silver	7440-22-4	180	80	--		2		2		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	***64.9***		***69***		***55***		***42***	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		0.052	JB	--	
Chloromethane	74-87-3	NS	NS	--		--		0.19	J	--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-4 10447417-005 9/11/2018 Result	Q	580-92515-4 1/31/2020 Result	Q	580-99774-9 12/11/2020 Result	Q	MW-4-20210914 590-15906-3 9/14/2021 Result	Q
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		***58***	J
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		120		190		--	
Residual Range Organics (RRO)	NA	500	500	--		190	JB	100	J	--	
Gasoline Range Organics (GRO)	NA	250	250	--		250		250		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-5 L524191-05 6/30/2011		L536774-05 9/15/2011		L552817-05 12/16/2011		L609744-05 12/5/2012		L629132-05 4/4/2013	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	480000		850000		370000		--		100	J
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		350000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***200000***		***310000***		***290000***		--		***30000***	
Metals													
Arsenic	7440-38-2	10	10	***180***		***160***		***230***		***50***		***66***	
Barium	7440-39-3	2000	2000	40		38		54		--		35	
Cadmium	7440-43-9	5	5	***6.1***		--		--		--		1	J
Chromium	7440-47-3	100	100	--		--		--		--		--	
Lead	7439-92-1	15	15	--		--		--		--		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		--		--		14	J
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	20		12		21		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	68		48		84		--		--	
1,2-Dichloroethane	107-06-2	5	5	***110***		***82***		***180***		--		4	
1,2-Dichloropropane	78-87-5	5	5	***9.1***		***5.2***		***9.3***		--		0.00048	J
1,3,5-Trimethylbenzene	108-67-8	180	80	21		15		24		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		3		--		--	
Acrolein	107-02-8	8.8	4	--		--		***68***		--		--	
Benzene	71-43-2	5	5	***160***		***77***		***140***		--		--	
Chlorobenzene	108-90-7	100	100	5.5		3.5		4.2		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		1.1		1.1		--		--	
Isopropylbenzene	98-82-8	1800	800	--		2.4		3.2		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		17	J	28	J	--		--	
n-Propylbenzene	103-65-1	1800	800	7.2		5		7.1		--		--	
Xylenes, Total	1330-20-7	10000	10000	200		140		200		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	3		2.6		3.9		--		--	
2-Methylnaphthalene	91-57-6	70	32	4		3.4		4.8		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		0.055		--		--	
Naphthalene	91-20-3	350	160	16		14		24		--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-5 L524191-05 6/30/2011 Result	Q	L536774-05 9/15/2011 Result	Q	L552817-05 12/16/2011 Result	Q	L609744-05 12/5/2012 Result	Q	L629132-05 4/4/2013 Result	Q
Phenanthrene	85-01-8	NS	NS	--		--		0.26		--		--	
Pyrene	129-00-0	530	240	--		--		0.053		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		30		36		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	8.6		9.1		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	***9.4***		***9.8***		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	***1400***	J	***610***		***2000***		--		64	J
Residual Range Organics (RRO)	NA	500	500	--		--		260		--		--	
Gasoline Range Organics (GRO)	NA	250	250	***1500***		***860***		***1800***		--		37	J

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-5 L648366-07 7/24/2013		L662959-08 10/10/2013		L730692-05 10/28/2014		L762552-05 4/29/2015		L795023-05 10/14/2015	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	100	J	--		--		--		--	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	340000		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***51000***		--		--		***22000***		***21000***	
Metals													
Arsenic	7440-38-2	10	10	***54***		***64***	J	***81***		***68***		***86.9***	
Barium	7440-39-3	2000	2000	40		--		--		31		107	
Cadmium	7440-43-9	5	5	***6***		--		--		2	J	0.867	J
Chromium	7440-47-3	100	100	--		--		--		--		3.38	J
Lead	7439-92-1	15	15	5		--		--		--		12.8	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	28		--		--		12	J	9.8	J
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	4		--		--		3		2.78	
1,2-Dichloropropane	78-87-5	5	5	0.00033	J	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	1	J	--		--		--		1.73	J
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		0.000028	J	--		0.00003	J	--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-5 L648366-07 7/24/2013 Result	Q	L662959-08 10/10/2013 Result	Q	L730692-05 10/28/2014 Result	Q	L762552-05 4/29/2015 Result	Q	L795023-05 10/14/2015 Result	Q
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	89	J	--		--		54	J	--	
Residual Range Organics (RRO)	NA	500	500	85	J	--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	40	J	--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-5 L830956-05 4/19/2016		L870264-05 11/1/2016		MW-5R L907308-05 5/3/2017		L960490-05 12/28/2017		10425974-006 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	59	J	--		58		--		52	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***18400***		***22000***		***24800***		***21100***	J	***18400***	
Metals													
Arsenic	7440-38-2	10	10	***78.1***		***80.9***		***75.9***		***78.3***		***87.9***	
Barium	7440-39-3	2000	2000	32.5		39.6		35.2		36.1		345	
Cadmium	7440-43-9	5	5	1.47	J	--		1.48	J	1.29	J	0.9	
Chromium	7440-47-3	100	100	--		--		1.5	J	--		20	
Lead	7439-92-1	15	15	--		--		--		7.73		14.9	
Mercury	7439-97-6	2	2	--		--		--		0.0494	J	--	
Selenium	7782-49-2	50	50	--		--		--		--		9.4	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	2.8		3		3.74		2.48		2.9	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	

				MW-5 L830956-05 4/19/2016		L870264-05 11/1/2016		MW-5R L907308-05 5/3/2017		L960490-05 12/28/2017		10425974-006 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-5R 10429059-006 4/25/2018 Result	Q	10447417-006 9/11/2018 Result	Q	580-92515-5 1/31/2020 Result	Q	580-99774-10 12/11/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	--		--		500		39	J
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	--		--		88000		78000	
Sulfate	14808-79-8	NS	NS	--		--		290000		300000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***16800***		***15300***		***10000***	J	***8200***	
Metals											
Arsenic	7440-38-2	10	10	***95.6***		***63.2***		***63***		***65***	
Barium	7440-39-3	2000	2000	493		282		35		36	
Cadmium	7440-43-9	5	5	1.1		0.56		0.62	J	0.52	J
Chromium	7440-47-3	100	100	26.4		14.2		1.1	J	4	
Lead	7439-92-1	15	15	***21.2***		11.8		4		4	
Mercury	7439-97-6	2	2	--		--		0.3		--	
Selenium	7782-49-2	50	50	10.9		7.9		40		40	
Silver	7440-22-4	180	80	--		--		2		2	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	3.2		1.9		2.6		1.8	
1,2-Dichloropropane	78-87-5	5	5	--		--		0.17	J	0.15	J
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		0.043	JB
Chloromethane	74-87-3	NS	NS	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		***0.27***		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		0.029	J	--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-5R 10429059-006 4/25/2018 Result	Q	10447417-006 9/11/2018 Result	Q	580-92515-5 1/31/2020 Result	Q	580-99774-10 12/11/2020 Result	Q
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		1.2	J
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		--		120		***590***	
Residual Range Organics (RRO)	NA	500	500	--		--		210	JB	150	J
Gasoline Range Organics (GRO)	NA	250	250	--		--		250		250	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-5R-20210914 590-15906-4 9/14/2021		MW-6 L524191-06 6/30/2011		L536774-06 9/15/2011		L552817-06 12/16/2011	
				Result	Q	Result	Q	Result	Q	Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		540000		740000		370000	
Chloride	16887-00-6	NS	NS	--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***12000***		***240000***		***260000***		***300000***	
Metals											
Arsenic	7440-38-2	10	10	***71***		***190***		***180***		***230***	
Barium	7440-39-3	2000	2000	34		81		46		54	
Cadmium	7440-43-9	5	5	0.19	J	***7.6***		--		--	
Chromium	7440-47-3	100	100	--		--		--		--	
Lead	7439-92-1	15	15	--		--		--		--	
Mercury	7439-97-6	2	2	--		--		--		--	
Selenium	7782-49-2	50	50	--		--		--		--	
Silver	7440-22-4	180	80	--		--		--		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		18		14		23	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		62		53		***92***	
1,2-Dichloroethane	107-06-2	5	5	2.4		***100***		***87***		***170***	
1,2-Dichloropropane	78-87-5	5	5	--		***6.6***		***5.7***		***9.5***	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		20		17		26	
2-Chlorotoluene	95-49-8	350	160	--		--		--		2.9	
Acrolein	107-02-8	8.8	4	--		--		--		***84***	
Benzene	71-43-2	5	5	--		***140***		***84***		***140***	
Chlorobenzene	108-90-7	100	100	--		--		4.2		4.5	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		1.2		1.4	
Isopropylbenzene	98-82-8	1800	800	--		--		2.8		3.8	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		18	J	32	J
n-Propylbenzene	103-65-1	1800	800	--		6.6		5.6		8.1	
Xylenes, Total	1330-20-7	10000	10000	--		180		150		210	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		***3***		***2.5***		***4.3***	
2-Methylnaphthalene	91-57-6	70	32	--		4.1		3.2		5.5	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		16		14		26	

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-5R-20210914 590-15906-4 9/14/2021 Result	Q	MW-6 L524191-06 6/30/2011 Result	Q	L536774-06 9/15/2011 Result	Q	L552817-06 12/16/2011 Result	Q
Phenanthrene	85-01-8	NS	NS		--		--		--		--
Pyrene	129-00-0	530	240		--		--		--		--
Herbicides											
2,4-D	94-75-7	70	70		--		--	22		26	
2,4-DB	94-82-6	1100	480		--		--		--		--
Dalapon	75-99-0	200	200		--		--		--		--
Dicamba	1918-00-9	1100	480		--	8.7		8.5			--
Dichlorprop	120-36-5	NS	NS		--		--		--		--
Dinoseb	88-85-7	7	7		--	***8.8***		***10***			--
MCPP	93-65-2	35	16		--		--		--		--
NWTPH											
Diesel Range Organics (DRO)	NA	500	500		--	***1100***		***880***		***1500***	
Residual Range Organics (RRO)	NA	500	500		--		--		--		--
Gasoline Range Organics (GRO)	NA	250	250		--	***1300***		***840***		***1700***	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-6 L609744-06 12/5/2012		L629132-06 4/4/2013		L648366-01 7/23/2013		L662959-01 10/9/2013		L730692-06 10/28/2014	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		130		--		120		--	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		36000		37000		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	--		***2900***		***2900***	J	***2500***		--	
Metals													
Arsenic	7440-38-2	10	10	7	J	***12***	J	--		***14***	J	***23***	
Barium	7440-39-3	2000	2000	--		62		70		64		--	
Cadmium	7440-43-9	5	5	--		0.00072	J	***8***		--		--	
Chromium	7440-47-3	100	100	--		3	J	3	J	2	J	--	
Lead	7439-92-1	15	15	--		--		6		--		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		14	J	--		--	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		0.000028	J	0.000025	J	--	

				MW-6 L609744-06 12/5/2012		L629132-06 4/4/2013		L648366-01 7/23/2013		L662959-01 10/9/2013		L730692-06 10/28/2014	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		51	J	--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
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On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-6 L762552-06 4/28/2015		L795023-06 10/13/2015		L830956-06 4/19/2016		L870264-06 11/1/2016		L907308-06 5/2/2017	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		51.7	J	56	J	--		57	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2300***		***3400***		***3420***		***3070***		***3700***	
Metals													
Arsenic	7440-38-2	10	10	8	J	***20.8***		***15.8***		***19.7***		***17***	
Barium	7440-39-3	2000	2000	66		115		65.7		69.5		65.5	
Cadmium	7440-43-9	5	5	0.00073	J	--		--		--		--	
Chromium	7440-47-3	100	100	3	J	7.02	J	3.78	J	3.93	J	4.19	J
Lead	7439-92-1	15	15	2	J	11.7		--		--		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		--		--		--	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		1.65	J	--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	0.000079	J	--		--		--		--	

				MW-6 L762552-06 4/28/2015		L795023-06 10/13/2015		L830956-06 4/19/2016		L870264-06 11/1/2016		L907308-06 5/2/2017	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	39	J	--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-6 L960490-06 12/28/2017		10425974-007 3/28/2018		10429059-007 4/25/2018		10447417-007 9/11/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General											
Ammonia as N	7664-41-7	NS	NS	--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		100		--		--	
Chloride	16887-00-6	NS	NS	--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***3190***	J	***3000***		***3200***		***3000***	
Metals											
Arsenic	7440-38-2	10	10	***16.2***		***43.7***		***29.5***		***15.4***	
Barium	7440-39-3	2000	2000	66.1		758		502		179	
Cadmium	7440-43-9	5	5	--		0.8		0.44		0.089	
Chromium	7440-47-3	100	100	3.11	J	44.2		33		9.8	
Lead	7439-92-1	15	15	--		***33***		***17.9***		5.3	
Mercury	7439-97-6	2	2	0.0492	J	--		--		--	
Selenium	7782-49-2	50	50	--		2.5		3.5		1.7	
Silver	7440-22-4	180	80	--		--		--		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-6 L960490-06 12/28/2017		10425974-007 3/28/2018		10429059-007 4/25/2018		10447417-007 9/11/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-6 580-92515-6 1/31/2020		580-99774-11 12/11/2020		MW-6D 590-15596-1 7/29/2021		MW-6D-20210914 590-15906-1 9/14/2021	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General											
Ammonia as N	7664-41-7	NS	NS	1100		39	J	33	J	--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	12000		13000		--		--	
Sulfate	14808-79-8	NS	NS	38000		42000		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2500***	J	***2900***	JB	***3700***		***2900***	JB
Metals											
Arsenic	7440-38-2	10	10	***18***		***19***		6.3		3.5	J
Barium	7440-39-3	2000	2000	59		74		190		78	
Cadmium	7440-43-9	5	5	4		4		--		--	
Chromium	7440-47-3	100	100	4.2		5		13		2.3	J
Lead	7439-92-1	15	15	4		1.1	J	4.5		--	
Mercury	7439-97-6	2	2	0.3		--		--		--	
Selenium	7782-49-2	50	50	40		40		--		--	
Silver	7440-22-4	180	80	2		2		--		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-6 580-92515-6 1/31/2020		580-99774-11 12/11/2020		MW-6D 590-15596-1 7/29/2021		MW-6D-20210914 590-15906-1 9/14/2021	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS		--		--		--		--
Pyrene	129-00-0	530	240		--		--		--		--
Herbicides											
2,4-D	94-75-7	70	70		--		--		--		--
2,4-DB	94-82-6	1100	480		--		--		--		--
Dalapon	75-99-0	200	200		--		--		--		--
Dicamba	1918-00-9	1100	480		--		--		--		--
Dichlorprop	120-36-5	NS	NS		--		--		--		--
Dinoseb	88-85-7	7	7		--		--		--		--
MCPP	93-65-2	35	16		--		--		--		--
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	110		160			--		--
Residual Range Organics (RRO)	NA	500	500	170	JB	100	J		--		--
Gasoline Range Organics (GRO)	NA	250	250	250		250			--		--

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-7 L609744-07 12/5/2012 Result	Q	L629132-07 4/4/2013 Result	Q	L648366-02 7/23/2013 Result	Q	L662959-02 10/9/2013 Result	Q	L730692-07 10/28/2014 Result	Q
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		120		160		97	J	--	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		35000		35000		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2400***		***2500***		***3800***		***2500***		***2200***	
Metals													
Arsenic	7440-38-2	10	10	--		--		--		***14***	J	***14***	J
Barium	7440-39-3	2000	2000	--		68		98		74		--	
Cadmium	7440-43-9	5	5	--		0.0007	J	***7***		--		--	
Chromium	7440-47-3	100	100	--		2	J	3	J	1	J	--	
Lead	7439-92-1	15	15	--		--		4	J	2	J	--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		19	J	--		--	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		1	J	--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		0.000029	J	0.000038	J	0.000055	J	--	

				MW-7 L609744-07 12/5/2012		L629132-07 4/4/2013		L648366-02 7/23/2013		L662959-02 10/9/2013		L730692-07 10/28/2014	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		33	J	--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-7 L762552-07 4/28/2015		L795023-07 10/13/2015		L830956-07 4/19/2016		L870264-07 11/1/2016		L907308-07 5/2/2017	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		63	J	--		54	
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2300***		***2970***		***2810***		***2500***		***3060***	
Metals													
Arsenic	7440-38-2	10	10	--		***13.7***		***13.6***		***10.3***		***12***	
Barium	7440-39-3	2000	2000	74		74.1		72.6		73.8		71.9	
Cadmium	7440-43-9	5	5	0.00076	J	--		--		--		--	
Chromium	7440-47-3	100	100	2	J	3.16	J	3.25	J	3.62	J	3.48	J
Lead	7439-92-1	15	15	--		7.4		--		--		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		--		--		--	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		1.63	J	--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	0.000018	J	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	0.000028	J	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	0.00057		--		--		--		--	

				MW-7 L762552-07 4/28/2015		L795023-07 10/13/2015		L830956-07 4/19/2016		L870264-07 11/1/2016		L907308-07 5/2/2017	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	0.000012	J	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-7 L960490-07 12/28/2017 Result	Q	10425974-008 3/28/2018 Result	Q	10429059-008 4/25/2018 Result	Q	10436831-002 6/20/2018 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		78		--		--	
Chloride	16887-00-6	NS	NS	--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2620***	J	***2500***		***15700***		***2400***	
Metals											
Arsenic	7440-38-2	10	10	***14.1***		***21.9***		***61.8***		9.8	
Barium	7440-39-3	2000	2000	70.7		349		***2190***		69	
Cadmium	7440-43-9	5	5	--		0.21		1.7		--	
Chromium	7440-47-3	100	100	2.73	J	16.4		***131***		3	
Lead	7439-92-1	15	15	--		13		***53.1***		0.15	
Mercury	7439-97-6	2	2	--		--		--		--	
Selenium	7782-49-2	50	50	--		2		15.1		1.7	
Silver	7440-22-4	180	80	--		--		--		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-7 L960490-07 12/28/2017		10425974-008 3/28/2018		10429059-008 4/25/2018		10436831-002 6/20/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-7 10447417-008 9/11/2018 Result	Q	580-92515-7 1/31/2020 Result	Q	580-99774-12 12/11/2020 Result	Q	MW-7D 590-15596-2 7/29/2021 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	--		500		38	J	--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	--		10000		12000		--	
Sulfate	14808-79-8	NS	NS	--		35000		37000		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2300***		***2100***	J	***2400***	JB	***3000***	
Metals											
Arsenic	7440-38-2	10	10	***20.1***		9.8		***11***		4.5	J
Barium	7440-39-3	2000	2000	434		66		89		58	J
Cadmium	7440-43-9	5	5	0.31		4		4		--	
Chromium	7440-47-3	100	100	25.2		3.3	J	4.4		4	J
Lead	7439-92-1	15	15	***15.6***		4		1.2	J	--	
Mercury	7439-97-6	2	2	--		0.3		--		--	
Selenium	7782-49-2	50	50	2.2		40		40		--	
Silver	7440-22-4	180	80	--		2		2		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		0.076	J	--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-7 10447417-008 9/11/2018		580-92515-7 1/31/2020		580-99774-12 12/11/2020		MW-7D 590-15596-2 7/29/2021	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS		--		--		--		--
Pyrene	129-00-0	530	240		--		--		--		--
Herbicides											
2,4-D	94-75-7	70	70		--		--		--	0.87	J
2,4-DB	94-82-6	1100	480		--		--		--	1.3	J
Dalapon	75-99-0	200	200		--		--		--		--
Dicamba	1918-00-9	1100	480		--		--		--		--
Dichlorprop	120-36-5	NS	NS		--		--		--	0.64	J
Dinoseb	88-85-7	7	7		--		--		--		--
MCPP	93-65-2	35	16		--		--		--	***33***	J
NWTPH											
Diesel Range Organics (DRO)	NA	500	500		--	110		240			--
Residual Range Organics (RRO)	NA	500	500		--	160	JB	130	J		--
Gasoline Range Organics (GRO)	NA	250	250		--	250		250			--

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
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Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-7D DUP 590-15596-3 7/29/2021 Result	Q	MW-7D-20210914 590-15906-2 9/14/2021 Result	Q	MW-8 L629132-08 4/4/2013 Result	Q	L648366-08 7/24/2013 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		140		150	
Chloride	16887-00-6	NS	NS	--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		140000		330000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2900***		***2400***	JB	***5400***		***52000***	
Metals											
Arsenic	7440-38-2	10	10	6.1		4.4	J	***21***		***50***	
Barium	7440-39-3	2000	2000	110	J	48		37		39	
Cadmium	7440-43-9	5	5	--		--		--		***7***	
Chromium	7440-47-3	100	100	10	J	2.7	J	--		--	
Lead	7439-92-1	15	15	2.8	J	--		--		4	J
Mercury	7439-97-6	2	2	--		--		--		--	
Selenium	7782-49-2	50	50	--		--		9	J	36	
Silver	7440-22-4	180	80	--		--		--		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		4	
1,2-Dichloropropane	78-87-5	5	5	--		--		5		0.00038	J
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		1	J
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-7D DUP 590-15596-3 7/29/2021		MW-7D-20210914 590-15906-2 9/14/2021		MW-8 L629132-08 4/4/2013		L648366-08 7/24/2013	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		--		40	J	--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		34	J

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
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Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-8 L662959-03 10/9/2013		L730692-08 10/28/2014		L762552-08 4/28/2015		L795023-08 10/13/2015		L830956-08 4/19/2016	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	110		--		--		54.4	J	66	J
Chloride	16887-00-6	NS	NS	--		--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***5300***		--		***6000***		***9710***		***18600***	
Metals													
Arsenic	7440-38-2	10	10	***25***		***34***		***20***		***31.2***		***76.8***	
Barium	7440-39-3	2000	2000	40		--		53		48.1		32.4	
Cadmium	7440-43-9	5	5	--		--		0.00086	J	--		1.37	J
Chromium	7440-47-3	100	100	--		--		--		--		2.34	J
Lead	7439-92-1	15	15	--		--		--		5.35		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	8	J	--		--		--		9.72	J
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		2.97	
1,2-Dichloropropane	78-87-5	5	5	4		--		***6***		***8.38***		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		1.56	J	--	
Naphthalene	91-20-3	350	160	--		--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
SVOCs													
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--		--	
Naphthalene	91-20-3	350	160	0.000028	J	--		0.000028	J	--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-8 L662959-03 10/9/2013 Result	Q	L730692-08 10/28/2014 Result	Q	L762552-08 4/28/2015 Result	Q	L795023-08 10/13/2015 Result	Q	L830956-08 4/19/2016 Result	Q
Phenanthrene	85-01-8	NS	NS	--		--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		45	J	--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

				MW-8 L870264-08 11/1/2016		L907308-08 5/3/2017		L960490-08 12/28/2017		10425974-009 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
General											
Ammonia as N	7664-41-7	NS	NS	--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	--		54		--		--	
Chloride	16887-00-6	NS	NS	--		--		--		--	
Sulfate	14808-79-8	NS	NS	--		--		--		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***22900***		***26000***		***19700***	J	***6000***	
Metals											
Arsenic	7440-38-2	10	10	***80.6***		***77***		***72.1***		***52.9***	
Barium	7440-39-3	2000	2000	39.9		34.5		35.8		139	
Cadmium	7440-43-9	5	5	--		1.7	J	1.11	J	--	
Chromium	7440-47-3	100	100	--		--		--		4.4	
Lead	7439-92-1	15	15	--		--		--		3	
Mercury	7439-97-6	2	2	--		--		--		--	
Selenium	7782-49-2	50	50	8.77	J	9.64	J	9.47	J	19.9	
Silver	7440-22-4	180	80	--		--		--		--	
VOCs											
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	3.26		3.52		2.56		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
SVOCs											
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--		--	
Fluorene	86-73-7	700	320	--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--	

				MW-8 L870264-08 11/1/2016		L907308-08 5/3/2017		L960490-08 12/28/2017		10425974-009 3/28/2018	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS	--		--		--		--	
Pyrene	129-00-0	530	240	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
2,4-DB	94-82-6	1100	480	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dichlorprop	120-36-5	NS	NS	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

Category/Analyte	CAS	On-Site GW	Off-Site GW	MW-8 10429059-009 4/25/2018 Result	Q	10447417-009 9/11/2018 Result	Q	580-92515-8 1/31/2020 Result	Q
General									
Ammonia as N	7664-41-7	NS	NS	--		--		500	J
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--	
Chloride	16887-00-6	NS	NS	--		--		57000	
Sulfate	14808-79-8	NS	NS	--		--		190000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2500***		***28800***		***41000***	
Metals									
Arsenic	7440-38-2	10	10	***92.4***		***33***		***26***	
Barium	7440-39-3	2000	2000	580		274		51	
Cadmium	7440-43-9	5	5	1		0.13		4	
Chromium	7440-47-3	100	100	31.5		11.6		4	
Lead	7439-92-1	15	15	***23.6***		9.7		4	
Mercury	7439-97-6	2	2	--		--		0.3	
Selenium	7782-49-2	50	50	10		5.4		40	
Silver	7440-22-4	180	80	--		--		2	
VOCs									
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--	
1,2-Dichloroethane	107-06-2	5	5	2.7		--		0.044	J
1,2-Dichloropropane	78-87-5	5	5	--		***66***		***76***	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--	
Acrolein	107-02-8	8.8	4	--		--		--	
Benzene	71-43-2	5	5	--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--	
Methylene Chloride	75-09-2	5	5	--		--		--	
Naphthalene	91-20-3	350	160	--		--		--	
n-Propylbenzene	103-65-1	1800	800	--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		0.073	J
SVOCs									
1-Methylnaphthalene	90-12-0	15	1.5	--		--		--	
2-Methylnaphthalene	91-57-6	70	32	--		--		--	
Benzo(a)anthracene	56-55-3	NS	NS	--		--		--	
Benzo(b)fluoranthene	205-99-2	NS	NS	--		--		--	
Fluorene	86-73-7	700	320	--		--		--	
Naphthalene	91-20-3	350	160	--		--		--	

				MW-8 10429059-009 4/25/2018		10447417-009 9/11/2018		580-92515-8 1/31/2020	
Category/Analyte	**CAS**	**On-Site GW**	**Off-Site GW**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Phenanthrene	85-01-8	NS	NS		--		--		--
Pyrene	129-00-0	530	240		--		--		--
Herbicides									
2,4-D	94-75-7	70	70		--		--		--
2,4-DB	94-82-6	1100	480		--		--		--
Dalapon	75-99-0	200	200		--		--		--
Dicamba	1918-00-9	1100	480		--		--		--
Dichlorprop	120-36-5	NS	NS		--		--		--
Dinoseb	88-85-7	7	7		--		--		--
MCPP	93-65-2	35	16		--		--		--
NWTPH									
Diesel Range Organics (DRO)	NA	500	500		--		--	120	
Residual Range Organics (RRO)	NA	500	500		--		--	200	JB
Gasoline Range Organics (GRO)	NA	250	250		--		--	250	

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
MW-1 to MW-5 are on-site wells
MW-6 and MW-7 are off-site wells
MW-8 results are duplicate sample results from various wells
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

Category/Analyte	CAS	On-Site GW	Off-Site GW	B1-GW ON L424313-01 9/24/2009 Result	Q	B2-GW ON L424313-02 9/24/2009 Result	Q	B3-GW ON L424313-03 9/23/2009 Result	Q	B4-GW ON L424313-04 9/23/2009 Result	Q	B5-GW ON L424313-05 9/23/2009 Result	Q
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	1300000		13000		--		--		46000	
Chloride	16887-00-6	NS	NS	380000		150000		380000		190000		480000	
Sulfate	14808-79-8	NS	NS	3600000		350000		270000		700000		1600000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***1100000***		***42000***		***12000***		***6900***		***400000***	
Metals													
Arsenic	7440-38-2	10	10	***36***		***40***		***38***		--		--	
Barium	7440-39-3	2000	2000	1300		1100		790		870		580	
Cadmium	7440-43-9	5	5	--		--		--		--		--	
Chromium	7440-47-3	100	100	52		36		38		42		36	
Lead	7439-92-1	15	15	***53***		***100***		***38***		***43***		***54***	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		--		--		--	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	160		--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	***550***		--		--		--		--	
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	***90***		--		***20***		--		--	
1,2-Dichloropropane	78-87-5	5	5	***37***		--		***14***		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	150		--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--		--	
Benzene	71-43-2	5	5	***750***		--		--		--		--	
Bromobenzene	108-86-1	140	64	--		--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	13		--		--		--		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	29		--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	18		--		--		--		--	
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	--		--		--		--		--	
Naphthalene	91-20-3	350	160	200		--		--		--		--	
n-Butylbenzene	104-51-8	880	400	--		--		--		--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	B1-GW ON L424313-01 9/24/2009 Result	Q	B2-GW ON L424313-02 9/24/2009 Result	Q	B3-GW ON L424313-03 9/23/2009 Result	Q	B4-GW ON L424313-04 9/23/2009 Result	Q	B5-GW ON L424313-05 9/23/2009 Result	Q
n-Propylbenzene	103-65-1	1800	800	51		--		--		--		--	
o-Xylene	95-47-6	3500	1600	--		--		--		--		--	
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	--		--		--		--		--	
Styrene	100-42-5	100	100	--		--		--		--		--	
tert-Butylbenzene	98-06-6	1800	800	--		--		--		--		--	
Tetrachloroethene	127-18-4	5	5	--		--		--		--		--	
Toluene	108-88-3	1000	1000	64		--		--		--		--	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	2100		--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,3-Dichloropropane	142-28-9	350	160	--		--		--		--		--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		--		--		--	
MCPA	94-74-6	18	8	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
Picloram	1918-02-1	500	500	--		--		--		--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	B6-GW ON L424313-06 9/23/2009 Result	Q	B7-GW ON L424313-07 9/23/2009 Result	Q	B8-GW ON L424313-08 9/23/2009 Result	Q	B9-GW ON L424313-09 9/24/2009 Result	Q	B10-GW ON L424313-10 9/24/2009 Result	Q
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		--	
Ammonia Nitrogen	12125-02-9	NS	NS	130		620		140000		3800	J	--	
Chloride	16887-00-6	NS	NS	68000		90000		65000		140000		--	
Sulfate	14808-79-8	NS	NS	280000		760000		480000		140000		--	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***9400***		***4200***		***41000***		***1100***		--	
Metals													
Arsenic	7440-38-2	10	10	--		--		***63***		--		--	
Barium	7440-39-3	2000	2000	1400		610		340		***2300***		--	
Cadmium	7440-43-9	5	5	--		--		--		--		--	
Chromium	7440-47-3	100	100	35		37		13		64		--	
Lead	7439-92-1	15	15	***56***		***38***		***27***		***48***		--	
Mercury	7439-97-6	2	2	--		--		--		--		--	
Selenium	7782-49-2	50	50	--		--		--		--		--	
Silver	7440-22-4	180	80	--		--		--		--		--	
VOCs													
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		***570***		34	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		--		--		***2100***		***210***	
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--		***1.4***	
1,2-Dichloroethane	107-06-2	5	5	--		--		--		--		***7.4***	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--		4.4	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		***500***		30	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--		--	
Benzene	71-43-2	5	5	--		--		--		***8300***		***490***	
Bromobenzene	108-86-1	140	64	--		--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		--	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		***1800***		1.3	
Isopropylbenzene	98-82-8	1800	800	--		--		--		--		4.6	
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		--		--		--		52	
n-Butylbenzene	104-51-8	880	400	--		--		--		--		1.4	

Category/Analyte	CAS	On-Site GW	Off-Site GW	B6-GW ON L424313-06 9/23/2009 Result	Q	B7-GW ON L424313-07 9/23/2009 Result	Q	B8-GW ON L424313-08 9/23/2009 Result	Q	B9-GW ON L424313-09 9/24/2009 Result	Q	B10-GW ON L424313-10 9/24/2009 Result	Q
n-Propylbenzene	103-65-1	1800	800	--		--		--		300		8.8	
o-Xylene	95-47-6	3500	1600	--		--		--		--		--	
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--		2	
sec-Butylbenzene	135-98-8	1800	800	--		--		--		--		--	
Styrene	100-42-5	100	100	--		--		--		--		--	
tert-Butylbenzene	98-06-6	1800	800	--		--		--		--		--	
Tetrachloroethene	127-18-4	5	5	--		--		--		--		--	
Toluene	108-88-3	1000	1000	--		--		--		--		--	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		3700		460	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		--	
1,3-Dichloropropane	142-28-9	350	160	--		--		--		--		--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		--		***71***		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		--		--		--	
MCPA	94-74-6	18	8	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		--	
Picloram	1918-02-1	500	500	--		--		--		--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		--	
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		--	
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	B11-GW ON L424313-11 9/23/2009 Result	Q	B12-GW ON L424313-12 9/24/2009 Result	Q	B13-GW ON L424313-13 9/24/2009 Result	Q	B14-GW ON L424313-16 9/24/2009 Result	Q	BH-01-W-16 ON 580-92451-2 1/30/2020 Result	Q
General													
Ammonia as N	7664-41-7	NS	NS	--		--		--		--		77000	
Ammonia Nitrogen	12125-02-9	NS	NS	340		110		900		910000		--	
Chloride	16887-00-6	NS	NS	180000		160000		500000		380000		110000	
Sulfate	14808-79-8	NS	NS	420000		210000		400000		1500000		470000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***37000***		***6900***		***29000***		***940000***		570	
Metals													
Arsenic	7440-38-2	10	10	--		--		***23***		--		***11***	
Barium	7440-39-3	2000	2000	1900		1600		600		***4400***		75	
Cadmium	7440-43-9	5	5	--		--		--		***20***		4	
Chromium	7440-47-3	100	100	30		23		33		***260***		1.1	J
Lead	7439-92-1	15	15	***41***		***28***		***54***		***210***		4	
Mercury	7439-97-6	2	2	--		0.24		--		--		0.3	
Selenium	7782-49-2	50	50	--		--		--		***120***		40	
Silver	7440-22-4	180	80	--		--		--		--		2	
VOCs													
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	2.2		9.4		***590***		130		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	***650***		41		***2600***		***460***		0.12	JB
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		--		***490***		***78***		2.6	
1,2-Dichloropropane	78-87-5	5	5	--		***220***		--		***45***		0.33	
1,3,5-Trimethylbenzene	108-67-8	180	80	***200***		10		***620***		120		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--		0.14	JB
Benzene	71-43-2	5	5	--		--		***6900***		***680***		0.18	J
Bromobenzene	108-86-1	140	64	--		--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		1.5		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		19		0.025	J
Chlorodibromomethane	124-48-1	80	80	--		--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--		0.38	J
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--		--	
Ethylbenzene	100-41-4	700	700	6.2		1.8		550		42		--	
Isopropylbenzene	98-82-8	1800	800	22		--		--		29		0.29	JB
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	--		--		--		--		--	
Naphthalene	91-20-3	350	160	--		13		--		160		0.36	JB
n-Butylbenzene	104-51-8	880	400	20		1		--		4		0.16	JB

Category/Analyte	CAS	On-Site GW	Off-Site GW	B11-GW ON L424313-11 9/23/2009 Result	Q	B12-GW ON L424313-12 9/24/2009 Result	Q	B13-GW ON L424313-13 9/24/2009 Result	Q	B14-GW ON L424313-16 9/24/2009 Result	Q	BH-01-W-16 ON 580-92451-2 1/30/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	57		3		--		61		--	
o-Xylene	95-47-6	3500	1600	--		--		--		--		0.16	JB
p-Isopropyltoluene	99-87-6	NS	NS	5.2		--		--		10		--	
sec-Butylbenzene	135-98-8	1800	800	11		--		--		3.6		--	
Styrene	100-42-5	100	100	--		--		--		--		--	
tert-Butylbenzene	98-06-6	1800	800	--		--		--		--		0.13	JB
Tetrachloroethene	127-18-4	5	5	--		--		--		--		0.12	J
Toluene	108-88-3	1000	1000	--		--		--		68		--	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	95		12		3100		2000		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		--		--		--		0.16	JB
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--		***0.086***	J
1,3-Dichloropropane	142-28-9	350	160	--		--		--		--		--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--		--	
Herbicides													
2,4-D	94-75-7	70	70	--		--		***490***		--		--	
Dalapon	75-99-0	200	200	--		--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		--		--		--	
MCPA	94-74-6	18	8	--		--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--		***160***	J
Picloram	1918-02-1	500	500	--		--		--		--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--		--	
NWTPH													
Diesel Range Organics (DRO)	NA	500	500	--		--		--		--		93	J
Residual Range Organics (RRO)	NA	500	500	--		--		--		--		220	J
Gasoline Range Organics (GRO)	NA	250	250	--		--		--		--		250	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-01-W-8 ON 580-92451-1 1/30/2020 Result	Q	BH-02-W-16 ON 580-92451-4 1/30/2020 Result	Q	BH-02-W-8 ON 580-92451-3 1/30/2020 Result	Q	BH-03-W-16 ON 580-92451-6 1/29/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	300000		54000		200000		320	J
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	240000		67000		170000		90000	
Sulfate	14808-79-8	NS	NS	900000		280000		300000		360000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***486000***		150		150		550	
Metals											
Arsenic	7440-38-2	10	10	***210***		2.7	J	***420***		3.7	J
Barium	7440-39-3	2000	2000	120		50		57		79	
Cadmium	7440-43-9	5	5	0.54	J	4		4		4	
Chromium	7440-47-3	100	100	1.3	J	4.1		4		4	
Lead	7439-92-1	15	15	4		12		4		4	
Mercury	7439-97-6	2	2	0.3		0.3		0.3		0.3	
Selenium	7782-49-2	50	50	40		40		40		11	J
Silver	7440-22-4	180	80	2		2		2		2	
VOCs											
1,1-Dichloropropene	563-58-6	NS	NS	0.053	J	--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	0.12	JB	0.11	JB	0.094	JB	0.098	JB
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	3		***59***		***21***		0.051	J
1,2-Dichloropropane	78-87-5	5	5	1.4		1.4		0.88		0.62	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		0.22	J	--	
4-Isopropyltoluene	99-87-6	NS	NS	0.16	JB	0.15	JB	0.15	JB	0.14	JB
Benzene	71-43-2	5	5	***6.7***		0.035	J	3.3		--	
Bromobenzene	108-86-1	140	64	--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--	
Chlorobenzene	108-90-7	100	100	0.17	J	0.057	J	0.5		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		0.13	J
Chloromethane	74-87-3	NS	NS	0.22	J	0.29	J	0.3	J	0.19	J
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	0.46	JB	0.29	JB	0.35	JB	0.29	JB
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		0.075	J
m-Xylene & p-Xylene	179601-23-1	10000	10000	--		--		--		--	
Naphthalene	91-20-3	350	160	0.37	JB	0.36	JB	0.36	JB	0.35	JB
n-Butylbenzene	104-51-8	880	400	0.26	JB	--		0.17	JB	0.15	JB

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-01-W-8 ON 580-92451-1 1/30/2020 Result	Q	BH-02-W-16 ON 580-92451-4 1/30/2020 Result	Q	BH-02-W-8 ON 580-92451-3 1/30/2020 Result	Q	BH-03-W-16 ON 580-92451-6 1/29/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
o-Xylene	95-47-6	3500	1600	0.19	JB	0.16	JB	0.17	JB	0.16	JB
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	0.29	J	--		0.22	J	--	
Styrene	100-42-5	100	100	--		--		--		--	
tert-Butylbenzene	98-06-6	1800	800	0.13	JB	0.13	JB	0.13	JB	0.12	JB
Tetrachloroethene	127-18-4	5	5	0.74		0.11	J	0.09	J	0.09	J
Toluene	108-88-3	1000	1000	--		--		--		--	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	0.1	J	--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	0.24	JB	0.16	JB	0.16	JB	--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	***0.44***		--		--		--	
1,3-Dichloropropane	142-28-9	350	160	0.12	J	--		--		--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	0.17	J	--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	0.33		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		0.027	J	--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	4.2		--		0.58	J	--	
Dalapon	75-99-0	200	200	0.95	J	--		--		--	
Dicamba	1918-00-9	1100	480	0.76	J	1.1	J	0.68	J	--	
Dinoseb	88-85-7	7	7	--		--		2.6		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		--		--	
MCPA	94-74-6	18	8	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
Picloram	1918-02-1	500	500	--		--		--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	***590***		75	J	***730***		67	J
Residual Range Organics (RRO)	NA	500	500	370	J	120	J	***1800***		120	J
Gasoline Range Organics (GRO)	NA	250	250	250		250		250		250	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-03-W-8 ON 580-92451-5 1/29/2020 Result	Q	BH-04-W-16 ON 580-92451-8 1/29/2020 Result	Q	BH-04-W-8 ON 580-92451-7 1/29/2020 Result	Q	BH-05-W-16 ON 580-92451-10 1/29/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	330	J	300	J	580		500	J
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	99000		20000		110000		210000	
Sulfate	14808-79-8	NS	NS	560000		90000		360000		460000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	590		150		220		***6500***	
Metals											
Arsenic	7440-38-2	10	10	***74***		4.6	J	***39***		***11***	
Barium	7440-39-3	2000	2000	57		42		73		29	
Cadmium	7440-43-9	5	5	4		4		4		4	
Chromium	7440-47-3	100	100	4		4		4		4	
Lead	7439-92-1	15	15	4		4		1.1	J	4	
Mercury	7439-97-6	2	2	0.3		0.3		0.3		0.3	
Selenium	7782-49-2	50	50	40		40		40		40	
Silver	7440-22-4	180	80	2		2		2		2	
VOCs											
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		0.052	J
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	0.098	JB	0.096	JB	0.29	JB	0.38	
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	0.046	J	--		0.089	J	0.06	J
1,2-Dichloropropane	78-87-5	5	5	0.65		0.38		***340***		0.18	J
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		0.17	J
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	0.14	JB	0.14	JB	0.15	JB	0.15	JB
Benzene	71-43-2	5	5	--		--		0.072	J	0.13	J
Bromobenzene	108-86-1	140	64	--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chlorodibromomethane	124-48-1	80	80	0.067	J	--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--	
Chloroform	67-66-3	80	80	0.33		--		0.075	J	--	
Chloromethane	74-87-3	NS	NS	0.16	J	0.15	J	0.31	J	0.31	J
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--	
Ethylbenzene	100-41-4	700	700	0.035	J	--		0.047	J	--	
Isopropylbenzene	98-82-8	1800	800	0.29	JB	0.29	JB	0.3	JB	0.3	JB
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	--		--		0.23	J	0.16	J
Naphthalene	91-20-3	350	160	0.35	JB	0.35	JB	0.5	JB	0.57	JB
n-Butylbenzene	104-51-8	880	400	0.16	JB	0.15	JB	0.2	JB	0.22	JB

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-03-W-8 ON 580-92451-5 1/29/2020 Result	Q	BH-04-W-16 ON 580-92451-8 1/29/2020 Result	Q	BH-04-W-8 ON 580-92451-7 1/29/2020 Result	Q	BH-05-W-16 ON 580-92451-10 1/29/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
o-Xylene	95-47-6	3500	1600	0.18	JB	0.16	JB	0.26	JB	0.26	JB
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	--		--		--		--	
Styrene	100-42-5	100	100	--		--		--		--	
tert-Butylbenzene	98-06-6	1800	800	0.12	JB	--		0.12	JB	--	
Tetrachloroethene	127-18-4	5	5	0.087	J	--		0.14	J	0.084	J
Toluene	108-88-3	1000	1000	--		--		--		--	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		0.16	JB	0.16	JB	--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		***1.1***		***0.069***	J
1,3-Dichloropropane	142-28-9	350	160	--		--		0.08	J	--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		0.32		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	5.1		--		12		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		--		--	
MCPA	94-74-6	18	8	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
Picloram	1918-02-1	500	500	--		--		--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	75	J	120		110		120	
Residual Range Organics (RRO)	NA	500	500	150	J	130	J	140	J	390	
Gasoline Range Organics (GRO)	NA	250	250	250		250		250		250	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-05-W-8 ON 580-92451-9 1/29/2020 Result	Q	BH-06-W-16 ON 580-92451-12 1/29/2020 Result	Q	BH-06-W-8 ON 580-92451-11 1/29/2020 Result	Q	BH-07-W-8 ON 580-92451-13 1/29/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	500		1000		850		500	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	31000		110000		140000		200000	
Sulfate	14808-79-8	NS	NS	190000		240000		520000		360000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***93000***		***1200***	J	***6600***		***64000***	
Metals											
Arsenic	7440-38-2	10	10	***38***		***10.2***		***17***		***36***	
Barium	7440-39-3	2000	2000	42		220		65		88	
Cadmium	7440-43-9	5	5	4		4		4		4	
Chromium	7440-47-3	100	100	4		6.5		1.2	J	4	
Lead	7439-92-1	15	15	4		5.32		2.8	J	2.2	J
Mercury	7439-97-6	2	2	0.3		0.3		0.3		0.3	
Selenium	7782-49-2	50	50	12	J	40		23	J	40	
Silver	7440-22-4	180	80	2		2		2		2	
VOCs											
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	0.38		0.9		0.55		1.2	
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		0.4		0.21		0.13	J
1,2-Dichloropropane	78-87-5	5	5	4		0.13	J	0.12	J	***31***	
1,3,5-Trimethylbenzene	108-67-8	180	80	0.18	J	0.4	J	0.24	J	0.48	J
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	0.15	JB	0.15	JB	0.15	JB	0.15	JB
Benzene	71-43-2	5	5	0.36		1.1		2.1		***5.5***	
Bromobenzene	108-86-1	140	64	--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		0.034	J
Chloromethane	74-87-3	NS	NS	0.64		0.21	J	0.39	J	0.16	J
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		0.15	JB	--		0.15	J
Dichlorobromomethane	75-27-4	80	80	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		0.041	J	0.052	J	0.062	J
Isopropylbenzene	98-82-8	1800	800	0.3	JB	0.32	JB	0.34	JB	0.34	JB
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	0.21	J	0.42	J	0.49	J	0.85	
Naphthalene	91-20-3	350	160	0.55	JB	0.79	JB	0.61	JB	0.91	JB
n-Butylbenzene	104-51-8	880	400	--		0.44	JB	0.22	JB	0.43	JB

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-05-W-8 ON 580-92451-9 1/29/2020 Result	Q	BH-06-W-16 ON 580-92451-12 1/29/2020 Result	Q	BH-06-W-8 ON 580-92451-11 1/29/2020 Result	Q	BH-07-W-8 ON 580-92451-13 1/29/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	--		--		0.093	J	--	
o-Xylene	95-47-6	3500	1600	0.29	JB	0.44	JB	0.46	JB	0.69	
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	--		--		--		--	
Styrene	100-42-5	100	100	--		--		--		--	
tert-Butylbenzene	98-06-6	1800	800	--		--		--		--	
Tetrachloroethene	127-18-4	5	5	--		0.11	J	--		0.15	J
Toluene	108-88-3	1000	1000	--		0.073	J	--		0.07	J
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	0.16	JB	0.16	JB	0.17	JB	0.16	JB
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,3-Dichloropropane	142-28-9	350	160	--		--		--		--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		6.8		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		--		--	
MCPA	94-74-6	18	8	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
Picloram	1918-02-1	500	500	--		--		--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	120		260		120		110	
Residual Range Organics (RRO)	NA	500	500	380		300	J	160	J	150	J
Gasoline Range Organics (GRO)	NA	250	250	250		250		250		250	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-08-W-8 ON 580-92451-14 1/29/2020 Result	Q	BH-09-W-8 ON 580-92451-15 1/29/2020 Result	Q	BH-10-W-8 ON 580-92451-16 1/28/2020 Result	Q	BH-11-W-8 ON 580-92451-17 1/28/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	260	J	63000		610000		14000	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	150000		890000		310000		190000	
Sulfate	14808-79-8	NS	NS	370000		870000		1600000		190000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***19000***		***140000***	J	***820000***		250	
Metals											
Arsenic	7440-38-2	10	10	***95***		***30***		***42***		***120***	
Barium	7440-39-3	2000	2000	120		38		180		280	
Cadmium	7440-43-9	5	5	4		4		4		1	J
Chromium	7440-47-3	100	100	1.8	J	4		1.3	J	4	
Lead	7439-92-1	15	15	5.2		7.9		7.3		2.1	J
Mercury	7439-97-6	2	2	0.3		0.3		0.3		0.3	
Selenium	7782-49-2	50	50	40		13	J	40		40	
Silver	7440-22-4	180	80	2		2		2		2	
VOCs											
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	***220***		***1100***	J	***890***		***1480***	
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	***23***		***310***	J	***24***		***220***	JB
1,2-Dichloropropane	78-87-5	5	5	***16***		***80***		***31***		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	59		***520***	J	***370***	JB	***530***	JB
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	1.3		8.4		6.3		8.2	
Benzene	71-43-2	5	5	***58***		***6100***	J	***2220***	JB	***1260***	JB
Bromobenzene	108-86-1	140	64	--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--	
Chlorobenzene	108-90-7	100	100	0.08	J	0.29		0.59		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		--	
Chloromethane	74-87-3	NS	NS	0.28	J	0.51		0.21	J	1	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	0.15	J	--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--	
Ethylbenzene	100-41-4	700	700	8.4		17		0.73		520	JB
Isopropylbenzene	98-82-8	1800	800	7.3		84		87		46	
Methyl tert-butyl ether	1634-04-4	240	20	0.095	J	--		--		0.17	J
m-Xylene & p-Xylene	179601-23-1	10000	10000	68		710	J	1160	JB	1190	JB
Naphthalene	91-20-3	350	160	60		***790***	J	***420***	J	250	J
n-Butylbenzene	104-51-8	880	400	28		180	J	212		380	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-08-W-8 ON 580-92451-14 1/29/2020 Result	Q	BH-09-W-8 ON 580-92451-15 1/29/2020 Result	Q	BH-10-W-8 ON 580-92451-16 1/28/2020 Result	Q	BH-11-W-8 ON 580-92451-17 1/28/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	12		75	J	135	JB	240	JB
o-Xylene	95-47-6	3500	1600	19		410	J	1400	J	4	
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	3		10		8.8		9.3	
Styrene	100-42-5	100	100	--		11		9.5		0.81	
tert-Butylbenzene	98-06-6	1800	800	--		--		--		--	
Tetrachloroethene	127-18-4	5	5	0.15	J	0.31	J	2.9		0.17	J
Toluene	108-88-3	1000	1000	0.53		18		3.6		3	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		0.24		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		***11***		***11***		--	
1,3-Dichloropropane	142-28-9	350	160	--		--		0.1	J	--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		1.7		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	***8.7***		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	0.085	J	--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		0.053	J	--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		0.77		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	6.6		***150***		--		***170***	J
Dalapon	75-99-0	200	200	1.8	J	--		--		--	
Dicamba	1918-00-9	1100	480	4.5		27		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		***0.15***		--	
MCPA	94-74-6	18	8	--		***960***	J	***1100***	J	--	
MCPP	93-65-2	35	16	--		***2300***	J	--		--	
Picloram	1918-02-1	500	500	--		--		--		28	J
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	***900***		***19000***		***7200***		***5400***	
Residual Range Organics (RRO)	NA	500	500	260	J	490		320	J	460	
Gasoline Range Organics (GRO)	NA	250	250	***1700***		***16000***		***13000***		***16000***	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-12-W-12 ON 580-92451-18 1/28/2020 Result	Q	BH-13-W-8 ON 580-92451-19 1/28/2020 Result	Q	BH-14-W-8 ON 580-92451-20 1/28/2020 Result	Q	BH-15-W-8 ON 580-92451-21 1/28/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	350	J	300	J	320	J	500	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	19000		120000		27000		88000	
Sulfate	14808-79-8	NS	NS	110000		270000		110000		200000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***2700***		***14000***		***2000***		***5300***	
Metals											
Arsenic	7440-38-2	10	10	***63***		***61***		***71***		***13***	
Barium	7440-39-3	2000	2000	56		60		47		270	
Cadmium	7440-43-9	5	5	4		4		4		0.71	J
Chromium	7440-47-3	100	100	1.7	J	4		4		4	
Lead	7439-92-1	15	15	1.2	J	1.9	J	4		8.9	
Mercury	7439-97-6	2	2	0.3		0.3		0.3		0.3	
Selenium	7782-49-2	50	50	40		40		40		40	
Silver	7440-22-4	180	80	2		2		2		2	
VOCs											
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	0.095	JB	0.39		0.3		0.14	JB
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		0.06	J	0.046	J	--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	0.15	JB	0.15	JB	0.15	JB	0.15	JB
Benzene	71-43-2	5	5	--		0.55		0.33		0.052	J
Bromobenzene	108-86-1	140	64	--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		0.049	J
Chloromethane	74-87-3	NS	NS	0.4	J	0.16	J	0.18	J	--	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		0.15	JB	--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		0.05	J
Isopropylbenzene	98-82-8	1800	800	0.29	JB	0.29	JB	0.29	JB	0.29	JB
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	--		0.2	J	0.14	J	--	
Naphthalene	91-20-3	350	160	0.35	JB	0.82	JB	0.55	JB	0.38	JB
n-Butylbenzene	104-51-8	880	400	0.16	JB	0.38		0.18	JB	0.16	JB

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-12-W-12 ON 580-92451-18 1/28/2020 Result	Q	BH-13-W-8 ON 580-92451-19 1/28/2020 Result	Q	BH-14-W-8 ON 580-92451-20 1/28/2020 Result	Q	BH-15-W-8 ON 580-92451-21 1/28/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	--		--		--		--	
o-Xylene	95-47-6	3500	1600	0.16	JB	0.41		0.38		0.18	JB
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	--		--		--		--	
Styrene	100-42-5	100	100	--		--		--		--	
tert-Butylbenzene	98-06-6	1800	800	--		0.12	JB	0.12	JB	--	
Tetrachloroethene	127-18-4	5	5	--		0.18	J	0.11	J	0.27	J
Toluene	108-88-3	1000	1000	--		--		--		0.091	J
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		0.17	JB	0.16	JB	0.16	JB
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,3-Dichloropropane	142-28-9	350	160	--		--		--		--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		--		--	
MCPA	94-74-6	18	8	--		--		--		***61***	J
MCPP	93-65-2	35	16	--		--		--		--	
Picloram	1918-02-1	500	500	--		--		--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	120		120		130		76	J
Residual Range Organics (RRO)	NA	500	500	370		390		400		400	
Gasoline Range Organics (GRO)	NA	250	250	250		250		250		250	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-16-W-8 ON 580-92451-22 1/28/2020 Result	Q	BH2-1-W-12 ON 580-99709-1 12/7/2020 Result	Q	BH2-2-W-12 ON 580-99709-2 12/7/2020 Result	Q	BH2-3-W-12 ON 580-99709-3 12/7/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	700		510000		990000		5100	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	190000		140000		530000		330000	
Sulfate	14808-79-8	NS	NS	190000		840000		1100000		2400000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	120	J	***170000***		***510000***		***880000***	
Metals											
Arsenic	7440-38-2	10	10	***110***		***180***		***200***		***25***	
Barium	7440-39-3	2000	2000	290		39.7		150		82	
Cadmium	7440-43-9	5	5	0.84	J	4		4		4	
Chromium	7440-47-3	100	100	4		4		7.5		3	J
Lead	7439-92-1	15	15	2.2	J	4	J	8.1		4.9	
Mercury	7439-97-6	2	2	0.3		--		--		--	
Selenium	7782-49-2	50	50	40		40		40		40	
Silver	7440-22-4	180	80	2		2		2		2	
VOCs											
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	***1460***		***590***		***2400***		***1900***	
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	***92***		--		***150***		***320***	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	***560***	JB	160		***550***		***540***	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	8.9		5.4		17		16	
Benzene	71-43-2	5	5	***1240***	JB	1.3		***4800***		***11000***	
Bromobenzene	108-86-1	140	64	0.048	J	--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		0.86	
Chloroform	67-66-3	80	80	--		--		--		--	
Chloromethane	74-87-3	NS	NS	0.89		0.13	J	--		--	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--	
Ethylbenzene	100-41-4	700	700	530	JB	2.6		--		11	
Isopropylbenzene	98-82-8	1800	800	43		29	J	140		130	
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	1290	JB	170		2800		2500	
Naphthalene	91-20-3	350	160	250	J	240		***450***		***660***	
n-Butylbenzene	104-51-8	880	400	340		6.4		32		22	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH-16-W-8 ON 580-92451-22 1/28/2020 Result	Q	BH2-1-W-12 ON 580-99709-1 12/7/2020 Result	Q	BH2-2-W-12 ON 580-99709-2 12/7/2020 Result	Q	BH2-3-W-12 ON 580-99709-3 12/7/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	255	JB	47		45		210	
o-Xylene	95-47-6	3500	1600	3.6		230		***3700***		280	
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	10		7.9		23		21	
Styrene	100-42-5	100	100	0.64		--		40		11	
tert-Butylbenzene	98-06-6	1800	800	--		--		--		--	
Tetrachloroethene	127-18-4	5	5	0.2	J	0.092	J	--		--	
Toluene	108-88-3	1000	1000	2.9		0.15	J	12		13	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,3-Dichloropropane	142-28-9	350	160	--		--		--		--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		1.9	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		0.21	
Herbicides											
2,4-D	94-75-7	70	70	***160***		--		36	J	***190***	J
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	16	J	--		--		320	J
Dinoseb	88-85-7	7	7	--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		***0.58***		***3.4***	
MCPA	94-74-6	18	8	--		--		***2300***	J	--	
MCPP	93-65-2	35	16	--		--		***2700***	J	***23000***	JB
Picloram	1918-02-1	500	500	3.7	J	--		--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		2.2	J	--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	***7100***		***4800***		***8400***		***22000***	
Residual Range Organics (RRO)	NA	500	500	500		150	J	490		***3500***	
Gasoline Range Organics (GRO)	NA	250	250	***16000***		***9200***		***30000***		***22000***	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH2-4-W-12 ON 580-99709-4 12/7/2020 Result	Q	BH2-5-W-12 ON 580-99709-5 12/8/2020 Result	Q	BH2-6-W-12 OFF 580-99709-6 12/8/2020 Result	Q	BH2-7-W-16 OFF 580-99774-3 12/9/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	120		280		120		20000	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	220000		32000		34000		67000	
Sulfate	14808-79-8	NS	NS	530000		220000		250000		290000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***83000***		***12000***		***18000***		***14000***	
Metals											
Arsenic	7440-38-2	10	10	***32***		***27***		***15***		***24***	
Barium	7440-39-3	2000	2000	57		130		180		67	
Cadmium	7440-43-9	5	5	4		4		4		4	
Chromium	7440-47-3	100	100	4		4		4		4	
Lead	7439-92-1	15	15	4		4		4		4	
Mercury	7439-97-6	2	2	--		--		--		--	
Selenium	7782-49-2	50	50	11	J	40		40		40	
Silver	7440-22-4	180	80	2		2		2		2	
VOCs											
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	45		1.7		0.19	J	--	
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	0.89		--		--		--	
1,2-Dichloropropane	78-87-5	5	5	***5.8***		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	14		0.59		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	0.6		--		--		--	
Benzene	71-43-2	5	5	***52***		--		--		--	
Bromobenzene	108-86-1	140	64	--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		0.1	J	0.04	J	--	
Isopropylbenzene	98-82-8	1800	800	3.4		--		--		--	
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	32		0.86		0.22	J	--	
Naphthalene	91-20-3	350	160	18		--		--		--	
n-Butylbenzene	104-51-8	880	400	11		--		--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH2-4-W-12 ON 580-99709-4 12/7/2020 Result	Q	BH2-5-W-12 ON 580-99709-5 12/8/2020 Result	Q	BH2-6-W-12 OFF 580-99709-6 12/8/2020 Result	Q	BH2-7-W-16 OFF 580-99774-3 12/9/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	5		0.25	J	--		--	
o-Xylene	95-47-6	3500	1600	6.6		0.24	J	--		--	
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	--		--		--		--	
Styrene	100-42-5	100	100	--		--		--		--	
tert-Butylbenzene	98-06-6	1800	800	--		--		--		--	
Tetrachloroethene	127-18-4	5	5	--		--		--		--	
Toluene	108-88-3	1000	1000	0.16	J	0.079	J	--		--	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,3-Dichloropropane	142-28-9	350	160	--		--		--		--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	***7.5***		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		--		--	
MCPA	94-74-6	18	8	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
Picloram	1918-02-1	500	500	--		--		--		1	J
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	120		160		220		120	
Residual Range Organics (RRO)	NA	500	500	370		200	J	240	J	130	J
Gasoline Range Organics (GRO)	NA	250	250	***360***		250		250		250	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH2-8-W-12 ON 580-99709-7 12/8/2020 Result	Q	BH2-8-W-20 ON 580-99709-8 12/8/2020 Result	Q	BH2-9-W-12 OFF 580-99774-1 12/9/2020 Result	Q	BH2-10-W-12 OFF 580-99774-2 12/9/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	1100000		450000		1400		970	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	160000		56000		390000		140000	
Sulfate	14808-79-8	NS	NS	860000		320000		880000		640000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***460000***		***51000***		***2100***		690	
Metals											
Arsenic	7440-38-2	10	10	***450***		***130***		***38***		***11***	
Barium	7440-39-3	2000	2000	98		57		31		39	
Cadmium	7440-43-9	5	5	0.75	J	4		4		4	
Chromium	7440-47-3	100	100	1.4	J	1.7	J	4	J	4	
Lead	7439-92-1	15	15	2.6	J	1.6	J	4		4	
Mercury	7439-97-6	2	2	--		--		--		--	
Selenium	7782-49-2	50	50	12	J	40		40		40	
Silver	7440-22-4	180	80	2		2		2		2	
VOCs											
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	***1400***		***850***		--		--	
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		***13***		--		--	
1,2-Dichloropropane	78-87-5	5	5	--		--		--		--	
1,3,5-Trimethylbenzene	108-67-8	180	80	***380***		***190***		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	6.8		5.1		--		--	
Benzene	71-43-2	5	5	***44***		***17***		--		--	
Bromobenzene	108-86-1	140	64	--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--	
Chlorobenzene	108-90-7	100	100	6.3		--		--		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		--	
Chloromethane	74-87-3	NS	NS	--		--		--		--	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		5		--		--	
Ethylbenzene	100-41-4	700	700	310		63		--		0.032	J
Isopropylbenzene	98-82-8	1800	800	83		24		--		--	
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	2400		640		--		0.13	J
Naphthalene	91-20-3	350	160	***410***		110		--		--	
n-Butylbenzene	104-51-8	880	400	25		7.2	J	--		--	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH2-8-W-12 ON 580-99709-7 12/8/2020 Result	Q	BH2-8-W-20 ON 580-99709-8 12/8/2020 Result	Q	BH2-9-W-12 OFF 580-99774-1 12/9/2020 Result	Q	BH2-10-W-12 OFF 580-99774-2 12/9/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	230		73		--		--	
o-Xylene	95-47-6	3500	1600	1100		260		--		--	
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	8.5		6.6		--		--	
Styrene	100-42-5	100	100	34		9.8		--		--	
tert-Butylbenzene	98-06-6	1800	800	--		--		--		--	
Tetrachloroethene	127-18-4	5	5	0.25	J	--		--		--	
Toluene	108-88-3	1000	1000	9.2		1.3		--		--	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		***9.2***		--		--	
1,3-Dichloropropane	142-28-9	350	160	--		1		--		--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	0.29	J	--		--		--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		0.15	J
1,1,2-Trichloroethane	79-00-5	5	5	--		--		--		--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		--		--	
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		--		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		--		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	0.029		--		--		--	
MCPA	94-74-6	18	8	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
Picloram	1918-02-1	500	500	--		8.8	J	--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	***4400***		***2100***		170		140	
Residual Range Organics (RRO)	NA	500	500	***820***		480		200	J	130	J
Gasoline Range Organics (GRO)	NA	250	250	***20000***		***6200***		250		250	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH2-11-W-12 OFF 580-99774-4 12/9/2020 Result	Q	BH2-12-W-16 OFF 580-99941-5 12/16/2020 Result	Q	BH2-13-W-16 OFF 580-99941-4 12/16/2020 Result	Q	BH2-14-W-12 OFF 580-99941-3 12/16/2020 Result	Q
General											
Ammonia as N	7664-41-7	NS	NS	10000		16000		570000		63000	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--		--	
Chloride	16887-00-6	NS	NS	110000		160000		370000		71000	
Sulfate	14808-79-8	NS	NS	410000		640000		880000		300000	
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***13000***		***330000***		***110000***		***70000***	
Metals											
Arsenic	7440-38-2	10	10	***31***		***66***		***250***		***46***	
Barium	7440-39-3	2000	2000	390		120		41		40	
Cadmium	7440-43-9	5	5	4		4		4		4	
Chromium	7440-47-3	100	100	16		4		0.88	J	4	
Lead	7439-92-1	15	15	9.9		4		4		4	
Mercury	7439-97-6	2	2	--		--		--		--	
Selenium	7782-49-2	50	50	40		40		40		40	
Silver	7440-22-4	180	80	2		2		2		2	
VOCs											
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		0.15	JB	9.3		0.12	JB
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		3		***110***	J	--	
1,2-Dichloropropane	78-87-5	5	5	--		1.1		***6.3***		0.3	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		3.4		--	
2-Chlorotoluene	95-49-8	350	160	--		--		0.64		--	
4-Isopropyltoluene	99-87-6	NS	NS	--		--		0.16	J	--	
Benzene	71-43-2	5	5	--		4.4		--		--	
Bromobenzene	108-86-1	140	64	--		--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--		--	
Chlorobenzene	108-90-7	100	100	--		0.24		1.9		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--		--	
Chloroform	67-66-3	80	80	--		--		--		0.23	
Chloromethane	74-87-3	NS	NS	--		--		0.083	J	--	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		2.8		--	
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	--		0.23	JB	6.1		0.24	JB
Naphthalene	91-20-3	350	160	--		0.78	JB	11		0.62	JB
n-Butylbenzene	104-51-8	880	400	--		0.33	JB	--		0.3	JB

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH2-11-W-12 OFF 580-99774-4 12/9/2020 Result	Q	BH2-12-W-16 OFF 580-99941-5 12/16/2020 Result	Q	BH2-13-W-16 OFF 580-99941-4 12/16/2020 Result	Q	BH2-14-W-12 OFF 580-99941-3 12/16/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800	--		--		2.2		--	
o-Xylene	95-47-6	3500	1600	--		0.23	JB	0.78		0.22	JB
p-Isopropyltoluene	99-87-6	NS	NS	--		--		--		--	
sec-Butylbenzene	135-98-8	1800	800	--		0.41	J	--		--	
Styrene	100-42-5	100	100	--		--		--		--	
tert-Butylbenzene	98-06-6	1800	800	--		--		--		--	
Tetrachloroethene	127-18-4	5	5	--		0.23	J	--		--	
Toluene	108-88-3	1000	1000	--		--		0.25		0.057	J
trans-1,3-Dichloropropene	10061-02-6	NS	NS	--		--		--		--	
Trichloroethene	79-01-6	5	5	--		--		--		--	
Xylenes, Total	1330-20-7	10000	10000	--		--		--		--	
1,2,4-Trichlorobenzene	120-82-1	70	70	--		--		--		--	
1,2,3-Trichloropropane	96-18-4	0.015	0.00038	--		--		--		--	
1,3-Dichloropropane	142-28-9	350	160	--		--		0.044	J	--	
1,2,3-Trichlorobenzene	87-61-6	14	6.4	--		--		--		--	
1,2-Dichlorobenzene	95-50-1	600	600	--		--		0.099	J	--	
1,1-Dichloroethane	75-34-3	77	7.7	--		--		--		--	
1,1,2-Trichloroethane	79-00-5	5	5	--		--		0.081	J	--	
1,3-Dichlorobenzene	541-73-1	999999999	999999999	--		--		0.08	JB	0.082	JB
1,1,1-Trichloroethane	71-55-6	200	200	--		--		--		--	
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22	--		--		--		--	
1,1-Dichloroethene	75-35-4	7	7	--		--		--		--	
Herbicides											
2,4-D	94-75-7	70	70	--		--		57		--	
Dalapon	75-99-0	200	200	--		--		--		--	
Dicamba	1918-00-9	1100	480	--		--		13		--	
Dinoseb	88-85-7	7	7	--		--		--		--	
Ethylene Dibromide	106-93-4	0.05	0.05	--		--		--		--	
MCPA	94-74-6	18	8	--		--		--		--	
MCPP	93-65-2	35	16	--		--		--		--	
Picloram	1918-02-1	500	500	--		--		--		--	
Silvex (2,4,5-TP)	93-72-1	50	50	--		--		--		--	
NWTPH											
Diesel Range Organics (DRO)	NA	500	500	73	JB	410		***1300***		90	J
Residual Range Organics (RRO)	NA	500	500	360		290	JB	***1400***		380	
Gasoline Range Organics (GRO)	NA	250	250	250		180	J	110	J	250	

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH2-18-W-12 OFF 580-99774-5 12/9/2020 Result	Q	BH2-15-W-15 OFF 580-99941-1 12/16/2020 Result	Q	BH2-19-W-5 OFF 580-99941-2 12/16/2020 Result	Q
General									
Ammonia as N	7664-41-7	NS	NS	400	J	1200	J	100	
Ammonia Nitrogen	12125-02-9	NS	NS	--		--		--	
Chloride	16887-00-6	NS	NS	110000		200000	J	540	J
Sulfate	14808-79-8	NS	NS	400000		370000		270	J
Nitrate-Nitrite as N	14797-65-0; 14797-55-8	1000	1000	***14000***		***12000***		180	
Metals									
Arsenic	7440-38-2	10	10	***33***		***84***		5	
Barium	7440-39-3	2000	2000	120		64.2		6	
Cadmium	7440-43-9	5	5	4		4		4	
Chromium	7440-47-3	100	100	3.7	J	3.97	J	4	
Lead	7439-92-1	15	15	2.1	J	2.31	J	4	
Mercury	7439-97-6	2	2	--		--		--	
Selenium	7782-49-2	50	50	40		14.6	J	40	
Silver	7440-22-4	180	80	2		2		2	
VOCs									
1,1-Dichloropropene	563-58-6	NS	NS	--		--		--	
1,2,3-Trimethylbenzene	526-73-8	180	80	--		--		--	
1,2,4-Trimethylbenzene	95-63-6	180	80	--		0.11	JB	0.11	JB
1,2-Dibromoethane	106-93-4	0.05	0.05	--		--		--	
1,2-Dichloroethane	107-06-2	5	5	--		0.63	J	0.044	J
1,2-Dichloropropane	78-87-5	5	5	--		0.082	J	--	
1,3,5-Trimethylbenzene	108-67-8	180	80	--		--		--	
2-Chlorotoluene	95-49-8	350	160	--		--		--	
4-Isopropyltoluene	99-87-6	NS	NS	--		--		--	
Benzene	71-43-2	5	5	--		--		--	
Bromobenzene	108-86-1	140	64	--		--		--	
Bromodichloromethane	75-27-4	80	80	--		--		--	
Chlorobenzene	108-90-7	100	100	--		--		--	
Chlorodibromomethane	124-48-1	80	80	--		--		--	
Chloroethane	75-00-3	NS	NS	--		--		--	
Chloroform	67-66-3	80	80	--		--		0.18	J
Chloromethane	74-87-3	NS	NS	--		--		--	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	--		--		--	
Dichlorobromomethane	75-27-4	80	80	--		--		--	
Ethylbenzene	100-41-4	700	700	--		--		--	
Isopropylbenzene	98-82-8	1800	800	--		--		--	
Methyl tert-butyl ether	1634-04-4	240	20	--		--		--	
m-Xylene & p-Xylene	179601-23-1	10000	10000	--		0.2	JB	0.2	JB
Naphthalene	91-20-3	350	160	--		0.61	JB	0.64	JB
n-Butylbenzene	104-51-8	880	400	--		0.29	JB	0.31	JB

Category/Analyte	CAS	On-Site GW	Off-Site GW	BH2-18-W-12 OFF 580-99774-5 12/9/2020 Result	Q	BH2-15-W-15 OFF 580-99941-1 12/16/2020 Result	Q	BH2-19-W-5 OFF 580-99941-2 12/16/2020 Result	Q
n-Propylbenzene	103-65-1	1800	800		--		--		--
o-Xylene	95-47-6	3500	1600		--	0.2	JB	0.2	JB
p-Isopropyltoluene	99-87-6	NS	NS		--		--		--
sec-Butylbenzene	135-98-8	1800	800		--		--		--
Styrene	100-42-5	100	100		--		--		--
tert-Butylbenzene	98-06-6	1800	800		--		--		--
Tetrachloroethene	127-18-4	5	5		--		--		--
Toluene	108-88-3	1000	1000		--		--	0.063	J
trans-1,3-Dichloropropene	10061-02-6	NS	NS		--		--		--
Trichloroethene	79-01-6	5	5		--		--		--
Xylenes, Total	1330-20-7	10000	10000		--		--		--
1,2,4-Trichlorobenzene	120-82-1	70	70		--		--		--
1,2,3-Trichloropropane	96-18-4	0.015	0.00038		--		--		--
1,3-Dichloropropane	142-28-9	350	160		--		--		--
1,2,3-Trichlorobenzene	87-61-6	14	6.4		--		--		--
1,2-Dichlorobenzene	95-50-1	600	600		--		--		--
1,1-Dichloroethane	75-34-3	77	7.7		--		--		--
1,1,2-Trichloroethane	79-00-5	5	5		--		--		--
1,3-Dichlorobenzene	541-73-1	999999999	999999999		--	0.066	JB	0.059	JB
1,1,1-Trichloroethane	71-55-6	200	200		--		--		--
1,1,2,2-Tetrachloroethane	79-34-5	2.2	0.22		--		--		--
1,1-Dichloroethene	75-35-4	7	7		--		--		--
Herbicides									
2,4-D	94-75-7	70	70		--		--		--
Dalapon	75-99-0	200	200		--		--		--
Dicamba	1918-00-9	1100	480		--		--		--
Dinoseb	88-85-7	7	7		--		--		--
Ethylene Dibromide	106-93-4	0.05	0.05		--		--		--
MCPA	94-74-6	18	8		--		--		--
MCPP	93-65-2	35	16		--		--		--
Picloram	1918-02-1	500	500		--		--		--
Silvex (2,4,5-TP)	93-72-1	50	50		--		--		--
NWTPH									
Diesel Range Organics (DRO)	NA	500	500	88	J	89	J	110	
Residual Range Organics (RRO)	NA	500	500	360		140	JB	360	
Gasoline Range Organics (GRO)	NA	250	250	250		250	J	250	

Category/Analyte	CAS	On-Site GW	Off-Site GW

Column Headings - Sample ID, Lab ID, Sample Date, Lab Result/Lab Qualifier
Units - all standards and results in micrograms per liter (µg/L)
On-Site GW - State or Fed MCL, or min CLARC Method C non-cancer/cancer if cleanup can't achieve lower
Off-Site GW - State or Fed MCL, or min CLARC Methods A and B
All samples are groundwater samples from temporary Geoprobe points
ON - on-site location; OFF - off-site location
J - estimated concentration
JB - estimated concentration; analyte found in both blank and sample
-- analyte non-detected or not analyzed
VOCs, metals, herbicides, NWTPH and nitrate-nitrite analyses conducted for all samples
TPH - total petroleum hydrocarbons

C

Laboratory Reports

Monitoring Well Installation Soil and Groundwater Sampling (July 2021)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-15596-1
Client Project/Site: Sunnyside, Washington

For:
HDR Inc
4401 West Gate Blvd
Ste 400
Austin, Texas 78745

Attn: Brittany Duarte

Authorized for release by:
8/16/2021 4:05:32 PM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@Eurofinset.com

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Job ID: 590-15596-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt
The samples were received on 8/3/2021 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.1º C.

The MW-7D RB sample containers were submitted empty. No analyses were logged in for this sample.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 590-32655 recovered above the upper control limit for 1,1-Dichloroethene, Trichloroethene and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 590-32655 recovered outside control limits for the following analytes: Trichlorofluoromethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-32685 recovered above the upper control limit for 1,1-Dichloroethene, 2,2-Dichloropropane, Methyl tert-butyl ether and Methylene Chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for preparation batch 590-32686 and 590-32686 and analytical batch 590-32685 recovered outside control limits for the following analytes: 1,1-Dichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-32722 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8151A: The initial calibration verification (ICV) result for batch 280-545978 was below the lower control limit for 2,4,5-T on the confirmation (back) column. Sample results were reported from the in control primary column. The associated samples are impacted: MW-6D (590-15596-1), MW-7D (590-15596-2) and MW-7D DUP (590-15596-3).

Method 8151A: The %RPD between the primary and confirmation column exceeded 40% for 2,4-D, 2,4-DB, Dichlorprop and MCPP for the following sample in preparation batch 280-545624 and analytical batch 280-545978: MW-7D (590-15596-2). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 8151A: The initial calibration verification (ICV) result for batch 280-546308 was below the lower control limit for 2,4,5-T on the confirmation (back) column. Sample results were reported from the in control primary column. The associated samples are affected: MW-6D;12' (590-15596-6), MW-6D;10' (590-15596-7), MW-7D;12' (590-15596-8) and MW-7D;8' (590-15596-9).

Method 8151A: The continuing calibration verification (CCV) associated with batch 280-546308 recovered above the upper control limit for 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-6D;12' (590-15596-6), MW-6D;10' (590-15596-7), MW-7D;12' (590-15596-8) and MW-7D;8' (590-15596-9).

Method 8151A: The following samples in preparation batch 280-545588 and analytical batch 280-546308 were diluted due to the nature of the sample matrix: MW-6D;12' (590-15596-6) and MW-7D;8' (590-15596-9). Elevated reporting limits (RLs) are provided. The sample was diluted due to the yellow color of the extract.

Method 8011: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-32690 and analytical batch 590-32691 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated

Job ID: 590-15596-1 (Continued)

Laboratory: Eurofins TestAmerica, Spokane (Continued)

laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for method 353.2 preparation batch 280-545831 and analytical batch 280-545876 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 353.2: The method blank for preparation batch 280-545831 and analytical batch 280-545876 contained Nitrate Nitrite as N above the method detection limit (MDL). Associated samples were not re-analyzed because results were greater than 10X the value found in the method blank.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 580-364758 and 580-364930 and analytical batch 580-365053 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-545588 for method 8151A_SP/8151A.

Method 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-545624. Method: 8151A_AP/8151A

Method 8151A: The following samples were prepared outside of preparation holding time due to samples being received at the subcontract lab they day they expired: MW-6D (590-15596-1), MW-7D (590-15596-2) and MW-7D DUP (590-15596-3. The laboratory did not have sufficient time to extract the samples.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-15596-1	MW-6D	Water	07/29/21 09:30	08/03/21 11:45
590-15596-2	MW-7D	Water	07/29/21 12:00	08/03/21 11:45
590-15596-3	MW-7D DUP	Water	07/29/21 12:00	08/03/21 11:45
590-15596-5	Trip Blank	Water	07/29/21 12:01	08/03/21 11:45
590-15596-6	MW-6D;12'	Solid	07/30/21 11:30	08/03/21 11:45
590-15596-7	MW-6D;10'	Solid	07/30/21 11:30	08/03/21 11:45
590-15596-8	MW-7D;12'	Solid	07/30/21 15:00	08/03/21 11:45
590-15596-9	MW-7D;8'	Solid	07/30/21 15:00	08/03/21 11:45
590-15596-10	Trip Blank	Solid	07/30/21 12:01	08/03/21 11:45

Definitions/Glossary

Client: HDR Inc
Job ID: 590-15596-1
Project/Site: Sunnyside, Washington

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D
Date Collected: 07/29/21 09:30
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-1
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/05/21 22:02	1
Chloromethane	ND		3.0	0.50	ug/L			08/05/21 22:02	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/05/21 22:02	1
Bromomethane	ND		5.0	0.76	ug/L			08/05/21 22:02	1
Chloroethane	ND		2.0	0.40	ug/L			08/05/21 22:02	1
Trichlorofluoromethane	ND	*+	1.0	0.20	ug/L			08/05/21 22:02	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/05/21 22:02	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/05/21 22:02	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/05/21 22:02	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/05/21 22:02	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/05/21 22:02	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/05/21 22:02	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/05/21 22:02	1
Chloroform	ND		1.0	0.24	ug/L			08/05/21 22:02	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/05/21 22:02	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/05/21 22:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/05/21 22:02	1
Benzene	ND		0.40	0.093	ug/L			08/05/21 22:02	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/05/21 22:02	1
Trichloroethene	ND		1.0	0.20	ug/L			08/05/21 22:02	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/05/21 22:02	1
Dibromomethane	ND		2.0	0.50	ug/L			08/05/21 22:02	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/05/21 22:02	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/05/21 22:02	1
Toluene	ND		1.0	0.31	ug/L			08/05/21 22:02	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/05/21 22:02	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/05/21 22:02	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/05/21 22:02	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/05/21 22:02	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/05/21 22:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/05/21 22:02	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/05/21 22:02	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/05/21 22:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/05/21 22:02	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/05/21 22:02	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/05/21 22:02	1
o-Xylene	ND		1.0	0.16	ug/L			08/05/21 22:02	1
Styrene	ND		1.0	0.24	ug/L			08/05/21 22:02	1
Bromoform	ND		5.0	0.66	ug/L			08/05/21 22:02	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/05/21 22:02	1
Bromobenzene	ND		1.0	0.28	ug/L			08/05/21 22:02	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/05/21 22:02	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/05/21 22:02	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/05/21 22:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/05/21 22:02	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/05/21 22:02	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/05/21 22:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/05/21 22:02	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/05/21 22:02	1

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D

Date Collected: 07/29/21 09:30
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-1

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/05/21 22:02	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/05/21 22:02	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/05/21 22:02	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/05/21 22:02	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/05/21 22:02	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/05/21 22:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			08/05/21 22:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/05/21 22:02	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/05/21 22:02	1
Naphthalene	ND		2.0	0.63	ug/L			08/05/21 22:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/05/21 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/05/21 22:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/05/21 22:02*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*08/05/21 22:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/05/21 22:02*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			08/05/21 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*68.7 - 141*		*08/05/21 22:02*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		08/09/21 13:13	08/10/21 01:54	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0032	ug/L		08/09/21 13:13	08/10/21 01:54	1
1,2,3-Trichloropropane	ND		0.010	0.0050	ug/L		08/09/21 13:13	08/10/21 01:54	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.99	0.17	ug/L		08/06/21 12:53	08/11/21 05:05	1
MCPP	ND	H	390	33	ug/L		08/06/21 12:53	08/11/21 05:05	1
2,4,5-T	ND	H	0.99	0.45	ug/L		08/06/21 12:53	08/11/21 05:05	1
2,4-D	ND	H	3.9	0.52	ug/L		08/06/21 12:53	08/11/21 05:05	1
2,4-DB	ND	H	3.9	0.74	ug/L		08/06/21 12:53	08/11/21 05:05	1
Dalapon	ND	H	2.0	0.90	ug/L		08/06/21 12:53	08/11/21 05:05	1
Dicamba	ND	H	2.0	0.43	ug/L		08/06/21 12:53	08/11/21 05:05	1
Dichlorprop	ND	H	3.9	0.64	ug/L		08/06/21 12:53	08/11/21 05:05	1
Dinoseb	ND	H	0.99	0.44	ug/L		08/06/21 12:53	08/11/21 05:05	1
MCPA	ND	H	390	47	ug/L		08/06/21 12:53	08/11/21 05:05	1
Picloram	ND	H	0.49	0.24	ug/L		08/06/21 12:53	08/11/21 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*90*		*39 - 135*	*08/06/21 12:53*	*08/11/21 05:05*	*1*

Client Sample ID: MW-6D

Date Collected: 07/29/21 09:30
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-1

Matrix: Water

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		08/05/21 09:48	08/05/21 16:41	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		08/05/21 09:48	08/05/21 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*08/05/21 09:48*	*08/05/21 16:41*	*1*
n-Triacontane-d62	*97*		*50 - 150*	*08/05/21 09:48*	*08/05/21 16:41*	*1*

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0063**		0.0050	0.0010	mg/L		08/05/21 18:39	08/06/21 11:58	5
Barium	**0.19**		0.0060	0.0011	mg/L		08/05/21 18:39	08/06/21 11:58	5
Cadmium	ND		0.0020	0.00019	mg/L		08/05/21 18:39	08/06/21 11:58	5
Chromium	**0.013**		0.0040	0.00087	mg/L		08/05/21 18:39	08/06/21 11:58	5
Lead	**0.0045**		0.0020	0.00020	mg/L		08/05/21 18:39	08/06/21 11:58	5
Selenium	ND		0.040	0.010	mg/L		08/05/21 18:39	08/06/21 11:58	5
Silver	ND		0.0020	0.00013	mg/L		08/05/21 18:39	08/06/21 11:58	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		08/06/21 11:46	08/06/21 17:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**0.033**	**J**	0.10	0.022	mg/L			08/14/21 11:03	1
Nitrate Nitrite as N	**3.7**		0.10	0.019	mg/L			08/12/21 10:48	1

Client Sample ID: MW-7D

Date Collected: 07/29/21 12:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-2

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/05/21 22:43	1
Chloromethane	ND		3.0	0.50	ug/L			08/05/21 22:43	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/05/21 22:43	1
Bromomethane	ND		5.0	0.76	ug/L			08/05/21 22:43	1
Chloroethane	ND		2.0	0.40	ug/L			08/05/21 22:43	1
Trichlorofluoromethane	ND	*+	1.0	0.20	ug/L			08/05/21 22:43	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/05/21 22:43	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/05/21 22:43	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/05/21 22:43	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/05/21 22:43	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/05/21 22:43	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/05/21 22:43	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/05/21 22:43	1
Chloroform	ND		1.0	0.24	ug/L			08/05/21 22:43	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/05/21 22:43	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/05/21 22:43	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/05/21 22:43	1

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D
Date Collected: 07/29/21 12:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-2
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			08/05/21 22:43	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/05/21 22:43	1
Trichloroethene	ND		1.0	0.20	ug/L			08/05/21 22:43	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/05/21 22:43	1
Dibromomethane	ND		2.0	0.50	ug/L			08/05/21 22:43	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/05/21 22:43	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/05/21 22:43	1
Toluene	ND		1.0	0.31	ug/L			08/05/21 22:43	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/05/21 22:43	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/05/21 22:43	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/05/21 22:43	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/05/21 22:43	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/05/21 22:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/05/21 22:43	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/05/21 22:43	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/05/21 22:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/05/21 22:43	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/05/21 22:43	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/05/21 22:43	1
o-Xylene	ND		1.0	0.16	ug/L			08/05/21 22:43	1
Styrene	ND		1.0	0.24	ug/L			08/05/21 22:43	1
Bromoform	ND		5.0	0.66	ug/L			08/05/21 22:43	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/05/21 22:43	1
Bromobenzene	ND		1.0	0.28	ug/L			08/05/21 22:43	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/05/21 22:43	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/05/21 22:43	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/05/21 22:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/05/21 22:43	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/05/21 22:43	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/05/21 22:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/05/21 22:43	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/05/21 22:43	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/05/21 22:43	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/05/21 22:43	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/05/21 22:43	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/05/21 22:43	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/05/21 22:43	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/05/21 22:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			08/05/21 22:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/05/21 22:43	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/05/21 22:43	1
Naphthalene	ND		2.0	0.63	ug/L			08/05/21 22:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/05/21 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/05/21 22:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/05/21 22:43*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/05/21 22:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/05/21 22:43*	*1*

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D

Date Collected: 07/29/21 12:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-2

Matrix: Water

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			08/05/21 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*08/05/21 22:43*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		08/09/21 13:13	08/10/21 02:11	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0032	ug/L		08/09/21 13:13	08/10/21 02:11	1
1,2,3-Trichloropropane	ND		0.010	0.0050	ug/L		08/09/21 13:13	08/10/21 02:11	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.98	0.17	ug/L		08/06/21 12:53	08/11/21 05:27	1
MCPP	**33**	**J H p**	390	32	ug/L		08/06/21 12:53	08/11/21 05:27	1
2,4,5-T	ND	H	0.98	0.44	ug/L		08/06/21 12:53	08/11/21 05:27	1
2,4-D	**0.87**	**J H p**	3.9	0.51	ug/L		08/06/21 12:53	08/11/21 05:27	1
2,4-DB	**1.3**	**J H p**	3.9	0.73	ug/L		08/06/21 12:53	08/11/21 05:27	1
Dalapon	ND	H	2.0	0.89	ug/L		08/06/21 12:53	08/11/21 05:27	1
Dicamba	ND	H	2.0	0.42	ug/L		08/06/21 12:53	08/11/21 05:27	1
Dichlorprop	**0.64**	**J H p**	3.9	0.63	ug/L		08/06/21 12:53	08/11/21 05:27	1
Dinoseb	ND	H	0.98	0.44	ug/L		08/06/21 12:53	08/11/21 05:27	1
MCPA	ND	H	390	46	ug/L		08/06/21 12:53	08/11/21 05:27	1
Picloram	ND	H	0.49	0.23	ug/L		08/06/21 12:53	08/11/21 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*39 - 135*	*08/06/21 12:53*	*08/11/21 05:27*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.28	0.13	mg/L		08/05/21 09:48	08/05/21 17:02	1
Residual Range Organics (RRO) (C25-C36)	ND		0.47	0.14	mg/L		08/05/21 09:48	08/05/21 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*08/05/21 09:48*	*08/05/21 17:02*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*08/05/21 09:48*	*08/05/21 17:02*	*1*

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0045**	**J**	0.0050	0.0010	mg/L		08/05/21 18:39	08/06/21 11:55	5
Barium	**0.058**		0.0060	0.0011	mg/L		08/05/21 18:39	08/06/21 11:55	5
Cadmium	ND		0.0020	0.00019	mg/L		08/05/21 18:39	08/06/21 11:55	5
Chromium	**0.0040**		0.0040	0.00087	mg/L		08/05/21 18:39	08/06/21 11:55	5
Lead	ND		0.0020	0.00020	mg/L		08/05/21 18:39	08/06/21 11:55	5
Selenium	ND		0.040	0.010	mg/L		08/05/21 18:39	08/06/21 11:55	5
Silver	ND		0.0020	0.00013	mg/L		08/05/21 18:39	08/06/21 11:55	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		08/06/21 11:46	08/06/21 17:08	1

Client Sample ID: MW-7D
Lab Sample ID: 590-15596-2
Date Collected: 07/29/21 12:00
Matrix: Water
Date Received: 08/03/21 11:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			08/14/21 11:05	1
Nitrate Nitrite as N	**3.0**		0.10	0.019	mg/L			08/12/21 10:50	1

Client Sample ID: MW-7D DUP
Lab Sample ID: 590-15596-3
Date Collected: 07/29/21 12:00
Matrix: Water
Date Received: 08/03/21 11:45

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/05/21 23:04	1
Chloromethane	ND		3.0	0.50	ug/L			08/05/21 23:04	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/05/21 23:04	1
Bromomethane	ND		5.0	0.76	ug/L			08/05/21 23:04	1
Chloroethane	ND		2.0	0.40	ug/L			08/05/21 23:04	1
Trichlorofluoromethane	ND	*+	1.0	0.20	ug/L			08/05/21 23:04	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/05/21 23:04	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/05/21 23:04	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/05/21 23:04	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/05/21 23:04	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/05/21 23:04	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/05/21 23:04	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/05/21 23:04	1
Chloroform	ND		1.0	0.24	ug/L			08/05/21 23:04	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/05/21 23:04	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/05/21 23:04	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/05/21 23:04	1
Benzene	ND		0.40	0.093	ug/L			08/05/21 23:04	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/05/21 23:04	1
Trichloroethene	ND		1.0	0.20	ug/L			08/05/21 23:04	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/05/21 23:04	1
Dibromomethane	ND		2.0	0.50	ug/L			08/05/21 23:04	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/05/21 23:04	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/05/21 23:04	1
Toluene	ND		1.0	0.31	ug/L			08/05/21 23:04	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/05/21 23:04	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/05/21 23:04	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/05/21 23:04	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/05/21 23:04	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/05/21 23:04	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/05/21 23:04	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/05/21 23:04	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/05/21 23:04	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/05/21 23:04	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/05/21 23:04	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/05/21 23:04	1
o-Xylene	ND		1.0	0.16	ug/L			08/05/21 23:04	1
Styrene	ND		1.0	0.24	ug/L			08/05/21 23:04	1
Bromoform	ND		5.0	0.66	ug/L			08/05/21 23:04	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/05/21 23:04	1
Bromobenzene	ND		1.0	0.28	ug/L			08/05/21 23:04	1

Client Sample ID: MW-7D DUP

Date Collected: 07/29/21 12:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-3

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.0	0.25	ug/L			08/05/21 23:04	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/05/21 23:04	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/05/21 23:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/05/21 23:04	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/05/21 23:04	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/05/21 23:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/05/21 23:04	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/05/21 23:04	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/05/21 23:04	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/05/21 23:04	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/05/21 23:04	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/05/21 23:04	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/05/21 23:04	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/05/21 23:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			08/05/21 23:04	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/05/21 23:04	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/05/21 23:04	1
Naphthalene	ND		2.0	0.63	ug/L			08/05/21 23:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/05/21 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/05/21 23:04*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/05/21 23:04*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*08/05/21 23:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*08/05/21 23:04*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			08/05/21 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*08/05/21 23:04*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		08/09/21 13:13	08/10/21 02:27	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0032	ug/L		08/09/21 13:13	08/10/21 02:27	1
1,2,3-Trichloropropane	ND		0.010	0.0050	ug/L		08/09/21 13:13	08/10/21 02:27	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.99	0.17	ug/L		08/06/21 12:53	08/11/21 05:49	1
MCPP	ND	H	400	33	ug/L		08/06/21 12:53	08/11/21 05:49	1
2,4,5-T	ND	H	0.99	0.45	ug/L		08/06/21 12:53	08/11/21 05:49	1
2,4-D	ND	H	4.0	0.52	ug/L		08/06/21 12:53	08/11/21 05:49	1
2,4-DB	ND	H	4.0	0.74	ug/L		08/06/21 12:53	08/11/21 05:49	1
Dalapon	ND	H	2.0	0.90	ug/L		08/06/21 12:53	08/11/21 05:49	1
Dicamba	ND	H	2.0	0.43	ug/L		08/06/21 12:53	08/11/21 05:49	1
Dichlorprop	ND	H	4.0	0.64	ug/L		08/06/21 12:53	08/11/21 05:49	1
Dinoseb	ND	H	0.99	0.45	ug/L		08/06/21 12:53	08/11/21 05:49	1
MCPA	ND	H	400	47	ug/L		08/06/21 12:53	08/11/21 05:49	1

Client Sample ID: MW-7D DUP

Lab Sample ID: 590-15596-3
Matrix: Water
Date Collected: 07/29/21 12:00
Date Received: 08/03/21 11:45

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND	H	0.50	0.24	ug/L		08/06/21 12:53	08/11/21 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*88*		*39 - 135*	*08/06/21 12:53*	*08/11/21 05:49*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.33	0.15	mg/L		08/05/21 09:48	08/05/21 17:23	1
Residual Range Organics (RRO) (C25-C36)	ND		0.54	0.16	mg/L		08/05/21 09:48	08/05/21 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*08/05/21 09:48*	*08/05/21 17:23*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*08/05/21 09:48*	*08/05/21 17:23*	*1*

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0061**		0.0050	0.0010	mg/L		08/05/21 18:39	08/06/21 12:06	5
Barium	**0.11**		0.0060	0.0011	mg/L		08/05/21 18:39	08/06/21 12:06	5
Cadmium	ND		0.0020	0.00019	mg/L		08/05/21 18:39	08/06/21 12:06	5
Chromium	**0.010**		0.0040	0.00087	mg/L		08/05/21 18:39	08/06/21 12:06	5
Lead	**0.0028**		0.0020	0.00020	mg/L		08/05/21 18:39	08/06/21 12:06	5
Selenium	ND		0.040	0.010	mg/L		08/05/21 18:39	08/06/21 12:06	5
Silver	ND		0.0020	0.00013	mg/L		08/05/21 18:39	08/06/21 12:06	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		08/06/21 11:46	08/06/21 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			08/14/21 11:07	1
Nitrate Nitrite as N	**2.9**		0.10	0.019	mg/L			08/12/21 10:52	1

Client Sample ID: Trip Blank

Lab Sample ID: 590-15596-5
Matrix: Water
Date Collected: 07/29/21 12:01
Date Received: 08/03/21 11:45

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/11/21 14:18	1
Chloromethane	ND		3.0	0.50	ug/L			08/11/21 14:18	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/11/21 14:18	1
Bromomethane	ND		5.0	0.76	ug/L			08/11/21 14:18	1
Chloroethane	ND		2.0	0.40	ug/L			08/11/21 14:18	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/11/21 14:18	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/11/21 14:18	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/11/21 14:18	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/11/21 14:18	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/11/21 14:18	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/11/21 14:18	1

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: Trip Blank
Date Collected: 07/29/21 12:01
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-5
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/11/21 14:18	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/11/21 14:18	1
Chloroform	ND		1.0	0.24	ug/L			08/11/21 14:18	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/11/21 14:18	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/11/21 14:18	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/11/21 14:18	1
Benzene	ND		0.40	0.093	ug/L			08/11/21 14:18	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/11/21 14:18	1
Trichloroethene	ND		1.0	0.20	ug/L			08/11/21 14:18	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/11/21 14:18	1
Dibromomethane	ND		2.0	0.50	ug/L			08/11/21 14:18	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/11/21 14:18	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/11/21 14:18	1
Toluene	ND		1.0	0.31	ug/L			08/11/21 14:18	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/11/21 14:18	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/11/21 14:18	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/11/21 14:18	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/11/21 14:18	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/11/21 14:18	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/11/21 14:18	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/11/21 14:18	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/11/21 14:18	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/11/21 14:18	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/11/21 14:18	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/11/21 14:18	1
o-Xylene	ND		1.0	0.16	ug/L			08/11/21 14:18	1
Styrene	ND		1.0	0.24	ug/L			08/11/21 14:18	1
Bromoform	ND		5.0	0.66	ug/L			08/11/21 14:18	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/11/21 14:18	1
Bromobenzene	ND		1.0	0.28	ug/L			08/11/21 14:18	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/11/21 14:18	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/11/21 14:18	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/11/21 14:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/11/21 14:18	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/11/21 14:18	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/11/21 14:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/11/21 14:18	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/11/21 14:18	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/11/21 14:18	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/11/21 14:18	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/11/21 14:18	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/11/21 14:18	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/11/21 14:18	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/11/21 14:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			08/11/21 14:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/11/21 14:18	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/11/21 14:18	1
Naphthalene	ND		2.0	0.63	ug/L			08/11/21 14:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/11/21 14:18	1

Client Sample ID: Trip Blank

Lab Sample ID: 590-15596-5
Date Collected: 07/29/21 12:01
Matrix: Water
Date Received: 08/03/21 11:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/11/21 14:18*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/11/21 14:18*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*08/11/21 14:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*08/11/21 14:18*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			08/11/21 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*68.7 - 141*		*08/11/21 14:18*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		08/09/21 13:13	08/10/21 02:44	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0032	ug/L		08/09/21 13:13	08/10/21 02:44	1
1,2,3-Trichloropropane	ND		0.010	0.0050	ug/L		08/09/21 13:13	08/10/21 02:44	1

Client Sample ID: MW-6D;12'

Lab Sample ID: 590-15596-6
Date Collected: 07/30/21 11:30
Matrix: Solid
Date Received: 08/03/21 11:45
Percent Solids: 76.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.24	0.068	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Chloromethane	ND		1.2	0.10	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Vinyl chloride	ND		0.15	0.049	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Bromomethane	ND		1.2	0.080	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Chloroethane	ND		0.49	0.14	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Trichlorofluoromethane	ND		0.49	0.080	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,1-Dichloroethene	ND	*+	0.24	0.083	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Methylene Chloride	ND		0.85	0.49	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
trans-1,2-Dichloroethene	ND		0.24	0.056	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,1-Dichloroethane	ND		0.24	0.064	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
2,2-Dichloropropane	ND		0.24	0.059	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
cis-1,2-Dichloroethene	ND		0.24	0.050	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Bromochloromethane	ND		0.24	0.097	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Chloroform	ND		0.24	0.057	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,1,1-Trichloroethane	ND		0.24	0.042	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Carbon tetrachloride	ND		0.24	0.027	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,1-Dichloropropene	ND		0.24	0.042	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Benzene	ND		0.049	0.024	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,2-Dichloroethane	ND		0.24	0.037	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Trichloroethene	ND		0.061	0.018	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,2-Dichloropropane	ND		0.29	0.074	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Dibromomethane	ND		0.24	0.054	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Bromodichloromethane	ND		0.24	0.15	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
cis-1,3-Dichloropropene	ND		0.24	0.050	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Toluene	ND		0.24	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
trans-1,3-Dichloropropene	ND		0.24	0.064	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,1,2-Trichloroethane	ND		0.24	0.086	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1

Client Sample ID: MW-6D;12'
Date Collected: 07/30/21 11:30
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-6
Matrix: Solid
Percent Solids: 76.0

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.097	0.043	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,3-Dichloropropane	ND		0.24	0.072	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Dibromochloromethane	ND		0.49	0.039	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,2-Dibromoethane (EDB)	ND		0.24	0.081	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Chlorobenzene	ND		0.24	0.050	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Ethylbenzene	ND		0.24	0.039	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,1,1,2-Tetrachloroethane	ND		0.24	0.047	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,1,2,2-Tetrachloroethane	ND		0.24	0.071	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
m,p-Xylene	ND		0.97	0.070	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
o-Xylene	ND		0.49	0.056	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Styrene	ND		0.24	0.057	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Bromoform	ND		0.49	0.046	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Isopropylbenzene	ND		0.24	0.075	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Bromobenzene	ND		0.24	0.054	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
N-Propylbenzene	ND		0.24	0.064	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,2,3-Trichloropropane	ND		0.49	0.089	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
2-Chlorotoluene	ND		0.24	0.040	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,3,5-Trimethylbenzene	ND		0.24	0.078	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
4-Chlorotoluene	ND		0.24	0.021	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
tert-Butylbenzene	ND		0.24	0.047	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,2,4-Trimethylbenzene	ND		0.24	0.057	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
sec-Butylbenzene	ND		0.24	0.045	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,3-Dichlorobenzene	ND		0.24	0.031	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
p-Isopropyltoluene	ND		0.24	0.050	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,4-Dichlorobenzene	ND		0.24	0.050	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
n-Butylbenzene	ND		0.24	0.067	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,2-Dichlorobenzene	ND		0.24	0.057	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,2-Dibromo-3-Chloropropane	ND		1.2	0.15	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,2,4-Trichlorobenzene	ND		0.24	0.045	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
1,2,3-Trichlorobenzene	ND		0.24	0.081	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Hexachlorobutadiene	ND		0.24	0.040	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Naphthalene	ND		0.49	0.068	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1
Methyl tert-butyl ether	ND		0.12	0.073	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*	*08/09/21 12:17*	*08/09/21 13:28*	*1*
4-Bromofluorobenzene (Surr)	*91*		*76 - 122*	*08/09/21 12:17*	*08/09/21 13:28*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*	*08/09/21 12:17*	*08/09/21 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 129*	*08/09/21 12:17*	*08/09/21 13:28*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		12	4.4	mg/Kg	☼	08/09/21 12:17	08/09/21 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*41.5 - 162*	*08/09/21 12:17*	*08/09/21 13:28*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND	F1	0.10	0.045	ug/Kg	☼	08/09/21 15:44	08/10/21 04:39	1

Client Sample ID: MW-6D;12'
Date Collected: 07/30/21 11:30
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-6
Matrix: Solid
Percent Solids: 76.0

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	F1	0.10	0.039	ug/Kg	☼	08/09/21 15:44	08/10/21 04:39	1
1,2,3-Trichloropropane	ND	F1	0.10	0.026	ug/Kg	☼	08/09/21 15:44	08/10/21 04:39	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		21000	5200	ug/Kg	☼	08/06/21 10:44	08/13/21 08:51	2
Silvex (2,4,5-TP)	ND		52	3.6	ug/Kg	☼	08/06/21 10:44	08/13/21 08:51	2
MCPP	ND		21000	5200	ug/Kg	☼	08/06/21 10:44	08/13/21 08:51	2
2,4,5-T	ND		52	5.9	ug/Kg	☼	08/06/21 10:44	08/13/21 08:51	2
2,4-D	ND		210	36	ug/Kg	☼	08/06/21 10:44	08/13/21 08:51	2
2,4-DB	ND		210	19	ug/Kg	☼	08/06/21 10:44	08/13/21 08:51	2
Dalapon	ND		100	8.4	ug/Kg	☼	08/06/21 10:44	08/13/21 08:51	2
Dicamba	ND		100	3.6	ug/Kg	☼	08/06/21 10:44	08/13/21 08:51	2
Dichlorprop	ND		210	8.2	ug/Kg	☼	08/06/21 10:44	08/13/21 08:51	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*80*	*D*	*31 - 105*	*08/06/21 10:44*	*08/13/21 08:51*	*2*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		13	5.5	mg/Kg	☼	08/06/21 09:29	08/06/21 15:31	1
Residual Range Organics (RRO) (C25-C36)	ND		33	6.5	mg/Kg	☼	08/06/21 09:29	08/06/21 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*08/06/21 09:29*	*08/06/21 15:31*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*08/06/21 09:29*	*08/06/21 15:31*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.6**		0.43	0.086	mg/Kg	☼	08/09/21 17:07	08/10/21 16:12	10
Barium	**170**		0.86	0.20	mg/Kg	☼	08/09/21 17:07	08/10/21 16:12	10
Cadmium	**0.086**	**J**	0.69	0.066	mg/Kg	☼	08/09/21 17:07	08/10/21 16:12	10
Chromium	**15**		0.86	0.054	mg/Kg	☼	08/09/21 17:07	08/10/21 16:12	10
Lead	**11**		0.43	0.041	mg/Kg	☼	08/09/21 17:07	08/10/21 16:12	10
Selenium	**3.5**		1.3	0.25	mg/Kg	☼	08/09/21 17:07	08/10/21 16:12	10
Silver	**0.049**	**J**	0.17	0.017	mg/Kg	☼	08/09/21 17:07	08/10/21 16:12	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0095**	**J**	0.029	0.0087	mg/Kg	☼	08/13/21 11:35	08/13/21 14:21	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		33	12	mg/Kg	☼	08/12/21 19:46	08/13/21 19:21	1
Nitrate Nitrite as N	**15**	**B**	1.3	0.12	mg/Kg	☼		08/09/21 15:28	1

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D;10'
Date Collected: 07/30/21 11:30
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-7
Matrix: Solid
Percent Solids: 73.8

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.19	0.052	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Chloromethane	ND		0.93	0.078	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Vinyl chloride	ND		0.11	0.038	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Bromomethane	ND		0.93	0.062	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Chloroethane	ND		0.37	0.10	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Trichlorofluoromethane	ND		0.37	0.061	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,1-Dichloroethene	ND	*+	0.19	0.063	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Methylene Chloride	ND		0.65	0.37	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
trans-1,2-Dichloroethene	ND		0.19	0.043	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,1-Dichloroethane	ND		0.19	0.049	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
2,2-Dichloropropane	ND		0.19	0.045	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
cis-1,2-Dichloroethene	ND		0.19	0.039	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Bromochloromethane	ND		0.19	0.074	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Chloroform	ND		0.19	0.044	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,1,1-Trichloroethane	ND		0.19	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Carbon tetrachloride	ND		0.19	0.020	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,1-Dichloropropene	ND		0.19	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Benzene	ND		0.037	0.019	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2-Dichloroethane	ND		0.19	0.029	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Trichloroethene	ND		0.047	0.014	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2-Dichloropropane	ND		0.22	0.056	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Dibromomethane	ND		0.19	0.042	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Bromodichloromethane	ND		0.19	0.12	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
cis-1,3-Dichloropropene	ND		0.19	0.038	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Toluene	ND		0.19	0.025	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
trans-1,3-Dichloropropene	ND		0.19	0.049	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,1,2-Trichloroethane	ND		0.19	0.066	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Tetrachloroethene	ND		0.074	0.033	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,3-Dichloropropane	ND		0.19	0.055	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Dibromochloromethane	ND		0.37	0.030	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2-Dibromoethane (EDB)	ND		0.19	0.062	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Chlorobenzene	ND		0.19	0.039	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Ethylbenzene	ND		0.19	0.030	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,1,1,2-Tetrachloroethane	ND		0.19	0.036	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,1,2,2-Tetrachloroethane	ND		0.19	0.054	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
m,p-Xylene	ND		0.74	0.053	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
o-Xylene	ND		0.37	0.043	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Styrene	ND		0.19	0.044	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Bromoform	ND		0.37	0.036	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Isopropylbenzene	ND		0.19	0.058	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Bromobenzene	ND		0.19	0.042	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
N-Propylbenzene	ND		0.19	0.049	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2,3-Trichloropropane	ND		0.37	0.068	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
2-Chlorotoluene	ND		0.19	0.030	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,3,5-Trimethylbenzene	ND		0.19	0.060	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
4-Chlorotoluene	ND		0.19	0.016	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
tert-Butylbenzene	ND		0.19	0.036	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2,4-Trimethylbenzene	ND		0.19	0.044	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
sec-Butylbenzene	ND		0.19	0.035	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1

Client Sample ID: MW-6D;10'
Date Collected: 07/30/21 11:30
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-7
Matrix: Solid
Percent Solids: 73.8

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.19	0.023	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
p-Isopropyltoluene	ND		0.19	0.038	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,4-Dichlorobenzene	ND		0.19	0.038	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
n-Butylbenzene	ND		0.19	0.051	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2-Dichlorobenzene	ND		0.19	0.043	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2-Dibromo-3-Chloropropane	ND		0.93	0.11	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2,4-Trichlorobenzene	ND		0.19	0.034	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2,3-Trichlorobenzene	ND		0.19	0.062	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Hexachlorobutadiene	ND		0.19	0.031	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Naphthalene	ND		0.37	0.052	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Methyl tert-butyl ether	ND		0.093	0.056	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*08/09/21 12:17*	*08/09/21 14:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 122*	*08/09/21 12:17*	*08/09/21 14:10*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*08/09/21 12:17*	*08/09/21 14:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 129*	*08/09/21 12:17*	*08/09/21 14:10*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		9.3	3.4	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*41.5 - 162*	*08/09/21 12:17*	*08/09/21 14:10*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.11	0.047	ug/Kg	☼	08/09/21 15:44	08/10/21 05:28	1
1,2-Dibromo-3-Chloropropane	ND		0.11	0.040	ug/Kg	☼	08/09/21 15:44	08/10/21 05:28	1
1,2,3-Trichloropropane	ND		0.11	0.027	ug/Kg	☼	08/09/21 15:44	08/10/21 05:28	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		11000	2700	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
Silvex (2,4,5-TP)	ND		27	1.9	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
MCPP	ND		11000	2700	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
2,4,5-T	ND		27	3.1	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
2,4-D	ND		110	19	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
2,4-DB	ND		110	10	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
Dalapon	ND		53	4.4	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
Dicamba	ND		53	1.9	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
Dichlorprop	ND		110	4.3	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*64*		*31 - 105*	*08/06/21 10:44*	*08/13/21 09:13*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		13	5.6	mg/Kg	☼	08/06/21 09:29	08/06/21 15:53	1
Residual Range Organics (RRO) (C25-C36)	**8.1**	**J**	33	6.7	mg/Kg	☼	08/06/21 09:29	08/06/21 15:53	1

Client Sample ID: MW-6D;10'

Lab Sample ID: 590-15596-7
Date Collected: 07/30/21 11:30
Matrix: Solid
Date Received: 08/03/21 11:45
Percent Solids: 73.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*80*		*50 - 150*	*08/06/21 09:29*	*08/06/21 15:53*	*1*
n-Triacontane-d62	*87*		*50 - 150*	*08/06/21 09:29*	*08/06/21 15:53*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		0.33	0.067	mg/Kg	☼	08/09/21 17:07	08/10/21 15:16	10
Barium	**180**		0.67	0.15	mg/Kg	☼	08/09/21 17:07	08/10/21 15:16	10
Cadmium	**0.19**	**J**	0.53	0.051	mg/Kg	☼	08/09/21 17:07	08/10/21 15:16	10
Chromium	**15**		0.67	0.042	mg/Kg	☼	08/09/21 17:07	08/10/21 15:16	10
Lead	**12**		0.33	0.032	mg/Kg	☼	08/09/21 17:07	08/10/21 15:16	10
Selenium	**3.3**		1.0	0.19	mg/Kg	☼	08/09/21 17:07	08/10/21 15:16	10
Silver	**0.051**	**J**	0.13	0.013	mg/Kg	☼	08/09/21 17:07	08/10/21 15:16	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.0092	mg/Kg	☼	08/13/21 11:35	08/13/21 14:23	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND	F1	34	12	mg/Kg	☼	08/12/21 19:46	08/13/21 19:21	1
Nitrate Nitrite as N	**67**	**B**	1.3	0.12	mg/Kg	☼		08/09/21 15:46	1

Client Sample ID: MW-7D;12'

Lab Sample ID: 590-15596-8
Date Collected: 07/30/21 15:00
Matrix: Solid
Date Received: 08/03/21 11:45
Percent Solids: 80.0

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.12	0.034	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Chloromethane	ND		0.60	0.050	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Vinyl chloride	ND		0.072	0.024	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Bromomethane	ND		0.60	0.040	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Chloroethane	ND		0.24	0.067	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Trichlorofluoromethane	ND		0.24	0.039	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,1-Dichloroethene	ND	*+	0.12	0.041	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Methylene Chloride	ND		0.42	0.24	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
trans-1,2-Dichloroethene	ND		0.12	0.027	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,1-Dichloroethane	ND		0.12	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
2,2-Dichloropropane	ND		0.12	0.029	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
cis-1,2-Dichloroethene	ND		0.12	0.025	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Bromochloromethane	ND		0.12	0.048	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Chloroform	ND		0.12	0.028	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,1,1-Trichloroethane	ND		0.12	0.021	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Carbon tetrachloride	ND		0.12	0.013	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,1-Dichloropropene	ND		0.12	0.021	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Benzene	ND		0.024	0.012	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,2-Dichloroethane	ND		0.12	0.018	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Trichloroethene	ND		0.030	0.0091	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,2-Dichloropropane	ND		0.14	0.036	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Dibromomethane	ND		0.12	0.027	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Bromodichloromethane	ND		0.12	0.074	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D;12'
Date Collected: 07/30/21 15:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-8
Matrix: Solid
Percent Solids: 80.0

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.12	0.024	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Toluene	ND		0.12	0.016	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
trans-1,3-Dichloropropene	ND		0.12	0.031	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,1,2-Trichloroethane	ND		0.12	0.042	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Tetrachloroethene	ND		0.048	0.021	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,3-Dichloropropane	ND		0.12	0.035	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Dibromochloromethane	ND		0.24	0.019	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,2-Dibromoethane (EDB)	ND		0.12	0.040	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Chlorobenzene	ND		0.12	0.025	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Ethylbenzene	ND		0.12	0.019	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,1,1,2-Tetrachloroethane	ND		0.12	0.023	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,1,2,2-Tetrachloroethane	ND		0.12	0.035	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
m,p-Xylene	ND		0.48	0.034	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
o-Xylene	ND		0.24	0.027	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Styrene	ND		0.12	0.028	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Bromoform	ND		0.24	0.023	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Isopropylbenzene	ND		0.12	0.037	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Bromobenzene	ND		0.12	0.027	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
N-Propylbenzene	ND		0.12	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,2,3-Trichloropropane	ND		0.24	0.044	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
2-Chlorotoluene	ND		0.12	0.019	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,3,5-Trimethylbenzene	ND		0.12	0.038	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
4-Chlorotoluene	ND		0.12	0.010	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
tert-Butylbenzene	ND		0.12	0.023	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,2,4-Trimethylbenzene	ND		0.12	0.028	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
sec-Butylbenzene	ND		0.12	0.022	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,3-Dichlorobenzene	ND		0.12	0.015	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
p-Isopropyltoluene	ND		0.12	0.024	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,4-Dichlorobenzene	ND		0.12	0.025	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
n-Butylbenzene	ND		0.12	0.033	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,2-Dichlorobenzene	ND		0.12	0.028	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,2-Dibromo-3-Chloropropane	ND		0.60	0.072	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,2,4-Trichlorobenzene	ND		0.12	0.022	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
1,2,3-Trichlorobenzene	ND		0.12	0.040	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Hexachlorobutadiene	ND		0.12	0.020	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Naphthalene	ND		0.24	0.033	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1
Methyl tert-butyl ether	ND		0.060	0.036	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*	*08/09/21 12:17*	*08/09/21 15:13*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 122*	*08/09/21 12:17*	*08/09/21 15:13*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*	*08/09/21 12:17*	*08/09/21 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 129*	*08/09/21 12:17*	*08/09/21 15:13*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.0	2.2	mg/Kg	☼	08/09/21 12:17	08/09/21 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*41.5 - 162*	*08/09/21 12:17*	*08/09/21 15:13*	*1*

Client Sample ID: MW-7D;12'

Date Collected: 07/30/21 15:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-8

Matrix: Solid
Percent Solids: 80.0

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.098	0.043	ug/Kg	☼	08/09/21 15:44	08/10/21 05:45	1
1,2-Dibromo-3-Chloropropane	ND		0.098	0.037	ug/Kg	☼	08/09/21 15:44	08/10/21 05:45	1
1,2,3-Trichloropropane	ND		0.098	0.025	ug/Kg	☼	08/09/21 15:44	08/10/21 05:45	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		9600	2400	ug/Kg	☼	08/06/21 10:44	08/13/21 09:35	1
Silvex (2,4,5-TP)	ND		24	1.7	ug/Kg	☼	08/06/21 10:44	08/13/21 09:35	1
MCPP	ND		9600	2400	ug/Kg	☼	08/06/21 10:44	08/13/21 09:35	1
2,4,5-T	ND		24	2.8	ug/Kg	☼	08/06/21 10:44	08/13/21 09:35	1
2,4-D	ND		96	17	ug/Kg	☼	08/06/21 10:44	08/13/21 09:35	1
2,4-DB	ND		96	8.9	ug/Kg	☼	08/06/21 10:44	08/13/21 09:35	1
Dalapon	ND		48	3.9	ug/Kg	☼	08/06/21 10:44	08/13/21 09:35	1
Dicamba	ND		48	1.7	ug/Kg	☼	08/06/21 10:44	08/13/21 09:35	1
Dichlorprop	ND		96	3.8	ug/Kg	☼	08/06/21 10:44	08/13/21 09:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*70*		*31 - 105*	*08/06/21 10:44*	*08/13/21 09:35*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		12	5.2	mg/Kg	☼	08/06/21 09:29	08/06/21 16:15	1
Residual Range Organics (RRO) (C25-C36)	ND		31	6.2	mg/Kg	☼	08/06/21 09:29	08/06/21 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*08/06/21 09:29*	*08/06/21 16:15*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*08/06/21 09:29*	*08/06/21 16:15*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		0.33	0.066	mg/Kg	☼	08/09/21 17:07	08/10/21 15:20	10
Barium	**230**		0.66	0.15	mg/Kg	☼	08/09/21 17:07	08/10/21 15:20	10
Cadmium	**0.17**	**J**	0.53	0.051	mg/Kg	☼	08/09/21 17:07	08/10/21 15:20	10
Chromium	**16**		0.66	0.041	mg/Kg	☼	08/09/21 17:07	08/10/21 15:20	10
Lead	**8.8**		0.33	0.032	mg/Kg	☼	08/09/21 17:07	08/10/21 15:20	10
Selenium	**3.9**		0.98	0.19	mg/Kg	☼	08/09/21 17:07	08/10/21 15:20	10
Silver	**0.043**	**J**	0.13	0.013	mg/Kg	☼	08/09/21 17:07	08/10/21 15:20	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.025	0.0076	mg/Kg	☼	08/13/21 11:35	08/13/21 14:26	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		31	11	mg/Kg	☼	08/12/21 19:46	08/13/21 19:21	1
Nitrate Nitrite as N	**1.1**	**J B**	1.2	0.11	mg/Kg	☼		08/09/21 15:48	1

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D;8'
Date Collected: 07/30/21 15:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-9
Matrix: Solid
Percent Solids: 74.7

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.16	0.044	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Chloromethane	ND		0.78	0.065	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Vinyl chloride	ND		0.094	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Bromomethane	ND		0.78	0.052	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Chloroethane	ND		0.31	0.088	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Trichlorofluoromethane	ND		0.31	0.051	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,1-Dichloroethene	ND	*+	0.16	0.053	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Methylene Chloride	ND		0.55	0.31	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
trans-1,2-Dichloroethene	ND		0.16	0.036	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,1-Dichloroethane	ND		0.16	0.041	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
2,2-Dichloropropane	ND		0.16	0.038	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
cis-1,2-Dichloroethene	ND		0.16	0.033	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Bromochloromethane	ND		0.16	0.062	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Chloroform	ND		0.16	0.037	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,1,1-Trichloroethane	ND		0.16	0.027	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Carbon tetrachloride	ND		0.16	0.017	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,1-Dichloropropene	ND		0.16	0.027	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Benzene	ND		0.031	0.016	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2-Dichloroethane	ND		0.16	0.024	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Trichloroethene	ND		0.039	0.012	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2-Dichloropropane	ND		0.19	0.047	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Dibromomethane	ND		0.16	0.035	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Bromodichloromethane	ND		0.16	0.097	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
cis-1,3-Dichloropropene	ND		0.16	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Toluene	ND		0.16	0.021	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
trans-1,3-Dichloropropene	ND		0.16	0.041	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,1,2-Trichloroethane	ND		0.16	0.055	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Tetrachloroethene	ND		0.063	0.028	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,3-Dichloropropane	ND		0.16	0.046	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Dibromochloromethane	ND		0.31	0.025	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2-Dibromoethane (EDB)	ND		0.16	0.052	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Chlorobenzene	ND		0.16	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Ethylbenzene	ND		0.16	0.025	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,1,1,2-Tetrachloroethane	ND		0.16	0.030	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,1,2,2-Tetrachloroethane	ND		0.16	0.045	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
m,p-Xylene	ND		0.63	0.045	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
o-Xylene	ND		0.31	0.036	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Styrene	ND		0.16	0.037	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Bromoform	ND		0.31	0.030	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Isopropylbenzene	ND		0.16	0.048	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Bromobenzene	ND		0.16	0.035	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
N-Propylbenzene	ND		0.16	0.041	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2,3-Trichloropropane	ND		0.31	0.057	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
2-Chlorotoluene	ND		0.16	0.025	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,3,5-Trimethylbenzene	ND		0.16	0.050	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
4-Chlorotoluene	ND		0.16	0.014	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
tert-Butylbenzene	ND		0.16	0.030	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2,4-Trimethylbenzene	ND		0.16	0.037	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
sec-Butylbenzene	ND		0.16	0.029	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1

Client Sample ID: MW-7D;8'
Date Collected: 07/30/21 15:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-9
Matrix: Solid
Percent Solids: 74.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.16	0.020	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
p-Isopropyltoluene	ND		0.16	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,4-Dichlorobenzene	ND		0.16	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
n-Butylbenzene	ND		0.16	0.043	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2-Dichlorobenzene	ND		0.16	0.036	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2-Dibromo-3-Chloropropane	ND		0.78	0.094	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2,4-Trichlorobenzene	ND		0.16	0.029	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2,3-Trichlorobenzene	ND		0.16	0.052	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Hexachlorobutadiene	ND		0.16	0.026	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Naphthalene	ND		0.31	0.044	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Methyl tert-butyl ether	ND		0.078	0.047	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/09/21 12:17*	*08/09/21 15:55*	*1*
4-Bromofluorobenzene (Surr)	*89*		*76 - 122*	*08/09/21 12:17*	*08/09/21 15:55*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*	*08/09/21 12:17*	*08/09/21 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 129*	*08/09/21 12:17*	*08/09/21 15:55*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.8	2.8	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*41.5 - 162*	*08/09/21 12:17*	*08/09/21 15:55*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.10	0.044	ug/Kg	☼	08/09/21 15:44	08/10/21 06:18	1
1,2-Dibromo-3-Chloropropane	ND		0.10	0.038	ug/Kg	☼	08/09/21 15:44	08/10/21 06:18	1
1,2,3-Trichloropropane	ND		0.10	0.025	ug/Kg	☼	08/09/21 15:44	08/10/21 06:18	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		21000	5300	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
Silvex (2,4,5-TP)	ND		53	3.7	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
MCPP	ND		21000	5300	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
2,4,5-T	ND		53	6.1	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
2,4-D	ND		210	37	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
2,4-DB	ND		210	20	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
Dalapon	ND		110	8.7	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
Dicamba	ND		110	3.7	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
Dichlorprop	ND		210	8.5	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*75*	*D*	*31 - 105*	*08/06/21 10:44*	*08/13/21 09:57*	*2*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		13	5.6	mg/Kg	☼	08/06/21 09:29	08/06/21 16:36	1
Residual Range Organics (RRO) (C25-C36)	**12**	**J**	33	6.7	mg/Kg	☼	08/06/21 09:29	08/06/21 16:36	1

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D;8'

Date Collected: 07/30/21 15:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-9

Matrix: Solid
Percent Solids: 74.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	08/06/21 09:29	08/06/21 16:36	1
n-Triacontane-d62	92		50 - 150	08/06/21 09:29	08/06/21 16:36	1

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10		0.54	0.11	mg/Kg	☼	08/09/21 17:07	08/10/21 15:28	10
Barium	250		1.1	0.25	mg/Kg	☼	08/09/21 17:07	08/10/21 15:28	10
Cadmium	0.21	J	0.87	0.084	mg/Kg	☼	08/09/21 17:07	08/10/21 15:28	10
Chromium	30		1.1	0.068	mg/Kg	☼	08/09/21 17:07	08/10/21 15:28	10
Lead	17		0.54	0.052	mg/Kg	☼	08/09/21 17:07	08/10/21 15:28	10
Selenium	5.7		1.6	0.31	mg/Kg	☼	08/09/21 17:07	08/10/21 15:28	10
Silver	0.11	J	0.22	0.022	mg/Kg	☼	08/09/21 17:07	08/10/21 15:28	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.025	0.0074	mg/Kg	☼	08/13/21 11:35	08/13/21 14:28	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		33	12	mg/Kg	☼	08/12/21 19:46	08/13/21 19:21	1
Nitrate Nitrite as N	29	B	1.3	0.12	mg/Kg	☼		08/09/21 15:50	1

Client Sample ID: Trip Blank

Date Collected: 07/30/21 12:01
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-10

Matrix: Solid

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.10	0.028	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Chloromethane	ND		0.50	0.042	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Vinyl chloride	ND		0.060	0.020	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Bromomethane	ND		0.50	0.033	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Chloroethane	ND		0.20	0.056	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Trichlorofluoromethane	ND		0.20	0.033	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,1-Dichloroethene	ND	*+	0.10	0.034	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Methylene Chloride	ND		0.35	0.20	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
trans-1,2-Dichloroethene	ND		0.10	0.023	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,1-Dichloroethane	ND		0.10	0.026	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
2,2-Dichloropropane	ND		0.10	0.024	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
cis-1,2-Dichloroethene	ND		0.10	0.021	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Bromochloromethane	ND		0.10	0.040	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Chloroform	ND		0.10	0.024	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,1,1-Trichloroethane	ND		0.10	0.017	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Carbon tetrachloride	ND		0.10	0.011	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,1-Dichloropropene	ND		0.10	0.017	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Benzene	ND		0.020	0.010	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,2-Dichloroethane	ND		0.10	0.015	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Trichloroethene	ND		0.025	0.0076	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,2-Dichloropropane	ND		0.12	0.030	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Dibromomethane	ND		0.10	0.022	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Bromodichloromethane	ND		0.10	0.062	mg/Kg		08/09/21 12:17	08/09/21 16:16	1

Client Sample ID: Trip Blank
Date Collected: 07/30/21 12:01
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-10
Matrix: Solid

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.10	0.020	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Toluene	ND		0.10	0.013	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
trans-1,3-Dichloropropene	ND		0.10	0.026	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,1,2-Trichloroethane	ND		0.10	0.035	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Tetrachloroethene	ND		0.040	0.018	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,3-Dichloropropane	ND		0.10	0.030	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Dibromochloromethane	ND		0.20	0.016	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,2-Dibromoethane (EDB)	ND		0.10	0.034	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Chlorobenzene	ND		0.10	0.021	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.019	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.029	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
m,p-Xylene	ND		0.40	0.029	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
o-Xylene	ND		0.20	0.023	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Styrene	ND		0.10	0.024	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Bromoform	ND		0.20	0.019	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Isopropylbenzene	ND		0.10	0.031	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Bromobenzene	ND		0.10	0.022	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
N-Propylbenzene	ND		0.10	0.026	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,2,3-Trichloropropane	ND		0.20	0.037	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
2-Chlorotoluene	ND		0.10	0.016	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,3,5-Trimethylbenzene	ND		0.10	0.032	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
4-Chlorotoluene	ND		0.10	0.0087	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
tert-Butylbenzene	ND		0.10	0.020	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,2,4-Trimethylbenzene	ND		0.10	0.023	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
sec-Butylbenzene	ND		0.10	0.019	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,3-Dichlorobenzene	ND		0.10	0.013	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
p-Isopropyltoluene	ND		0.10	0.020	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,4-Dichlorobenzene	ND		0.10	0.021	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
n-Butylbenzene	ND		0.10	0.028	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,2-Dichlorobenzene	ND		0.10	0.023	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.060	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,2,4-Trichlorobenzene	ND		0.10	0.019	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
1,2,3-Trichlorobenzene	ND		0.10	0.033	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Hexachlorobutadiene	ND		0.10	0.016	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Naphthalene	ND		0.20	0.028	mg/Kg		08/09/21 12:17	08/09/21 16:16	1
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		08/09/21 12:17	08/09/21 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*	*08/09/21 12:17*	*08/09/21 16:16*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 122*	*08/09/21 12:17*	*08/09/21 16:16*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*	*08/09/21 12:17*	*08/09/21 16:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 129*	*08/09/21 12:17*	*08/09/21 16:16*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		08/09/21 12:17	08/09/21 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*41.5 - 162*	*08/09/21 12:17*	*08/09/21 16:16*	*1*

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: Trip Blank
Date Collected: 07/30/21 12:01
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-10
Matrix: Solid

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.080	0.035	ug/Kg		08/09/21 15:44	08/10/21 06:34	1
1,2-Dibromo-3-Chloropropane	ND		0.080	0.030	ug/Kg		08/09/21 15:44	08/10/21 06:34	1
1,2,3-Trichloropropane	ND		0.080	0.020	ug/Kg		08/09/21 15:44	08/10/21 06:34	1

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-32655/5
Matrix: Water
Analysis Batch: 32655

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/05/21 21:41	1
Chloromethane	ND		3.0	0.50	ug/L			08/05/21 21:41	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/05/21 21:41	1
Bromomethane	ND		5.0	0.76	ug/L			08/05/21 21:41	1
Chloroethane	ND		2.0	0.40	ug/L			08/05/21 21:41	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/05/21 21:41	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/05/21 21:41	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/05/21 21:41	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/05/21 21:41	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/05/21 21:41	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/05/21 21:41	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/05/21 21:41	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/05/21 21:41	1
Chloroform	ND		1.0	0.24	ug/L			08/05/21 21:41	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/05/21 21:41	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/05/21 21:41	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/05/21 21:41	1
Benzene	ND		0.40	0.093	ug/L			08/05/21 21:41	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/05/21 21:41	1
Trichloroethene	ND		1.0	0.20	ug/L			08/05/21 21:41	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/05/21 21:41	1
Dibromomethane	ND		2.0	0.50	ug/L			08/05/21 21:41	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/05/21 21:41	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/05/21 21:41	1
Toluene	ND		1.0	0.31	ug/L			08/05/21 21:41	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/05/21 21:41	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/05/21 21:41	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/05/21 21:41	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/05/21 21:41	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/05/21 21:41	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/05/21 21:41	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/05/21 21:41	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/05/21 21:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/05/21 21:41	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/05/21 21:41	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/05/21 21:41	1
o-Xylene	ND		1.0	0.16	ug/L			08/05/21 21:41	1
Styrene	ND		1.0	0.24	ug/L			08/05/21 21:41	1
Bromoform	ND		5.0	0.66	ug/L			08/05/21 21:41	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/05/21 21:41	1
Bromobenzene	ND		1.0	0.28	ug/L			08/05/21 21:41	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/05/21 21:41	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/05/21 21:41	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/05/21 21:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/05/21 21:41	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/05/21 21:41	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/05/21 21:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/05/21 21:41	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-32655/5
Matrix: Water
Analysis Batch: 32655

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/05/21 21:41	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/05/21 21:41	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/05/21 21:41	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/05/21 21:41	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/05/21 21:41	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/05/21 21:41	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/05/21 21:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			08/05/21 21:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/05/21 21:41	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/05/21 21:41	1
Naphthalene	ND		2.0	0.63	ug/L			08/05/21 21:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/05/21 21:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/05/21 21:41*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/05/21 21:41*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/05/21 21:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/05/21 21:41*	*1*

Lab Sample ID: LCS 590-32655/3
Matrix: Water
Analysis Batch: 32655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	11.3		ug/L		113	48 - 142
Chloromethane	10.0	13.1		ug/L		131	55 - 144
Vinyl chloride	10.0	13.4		ug/L		134	68 - 136
Bromomethane	10.0	12.4		ug/L		124	64 - 133
Chloroethane	10.0	11.6		ug/L		116	69 - 129
Trichlorofluoromethane	10.0	12.9		ug/L		129	78 - 132
1,1-Dichloroethene	10.0	12.4		ug/L		124	75 - 140
Methylene Chloride	10.0	11.3		ug/L		113	20 - 150
trans-1,2-Dichloroethene	10.0	11.2		ug/L		112	75 - 132
1,1-Dichloroethane	10.0	10.8		ug/L		108	79 - 121
2,2-Dichloropropane	10.0	9.88		ug/L		99	69 - 143
cis-1,2-Dichloroethene	10.0	11.1		ug/L		111	80 - 121
Bromochloromethane	10.0	11.5		ug/L		115	70 - 133
Chloroform	10.0	11.1		ug/L		111	80 - 126
1,1,1-Trichloroethane	10.0	11.1		ug/L		111	80 - 130
Carbon tetrachloride	10.0	10.8		ug/L		108	75 - 126
1,1-Dichloropropene	10.0	11.0		ug/L		110	76 - 125
Benzene	10.0	11.1		ug/L		111	80 - 126
1,2-Dichloroethane	10.0	11.2		ug/L		112	76 - 127
Trichloroethene	10.0	10.8		ug/L		108	75 - 129
1,2-Dichloropropane	10.0	10.5		ug/L		105	80 - 121
Dibromomethane	10.0	11.1		ug/L		111	70 - 126
Bromodichloromethane	10.0	11.1		ug/L		111	73 - 135
cis-1,3-Dichloropropene	10.0	10.4		ug/L		104	72 - 129

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-32655/3
Matrix: Water
Analysis Batch: 32655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	10.0	11.0		ug/L		110	80 - 129
trans-1,3-Dichloropropene	10.0	10.4		ug/L		104	49 - 148
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	80 - 126
Tetrachloroethene	10.0	11.0		ug/L		110	77 - 132
1,3-Dichloropropane	10.0	10.8		ug/L		108	73 - 126
Dibromochloromethane	10.0	10.4		ug/L		104	72 - 122
1,2-Dibromoethane (EDB)	10.0	10.7		ug/L		107	74 - 120
Chlorobenzene	10.0	10.7		ug/L		107	79 - 125
Ethylbenzene	10.0	10.8		ug/L		108	80 - 128
1,1,1,2-Tetrachloroethane	10.0	11.2		ug/L		112	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.2		ug/L		102	60 - 140
m,p-Xylene	10.0	10.7		ug/L		107	80 - 127
o-Xylene	10.0	10.6		ug/L		106	80 - 126
Styrene	10.0	10.6		ug/L		106	67 - 136
Bromoform	10.0	10.6		ug/L		106	65 - 134
Isopropylbenzene	10.0	10.7		ug/L		107	77 - 123
Bromobenzene	10.0	10.7		ug/L		107	68 - 128
N-Propylbenzene	10.0	10.7		ug/L		107	67 - 138
1,2,3-Trichloropropane	10.0	12.0		ug/L		120	53 - 143
2-Chlorotoluene	10.0	11.7		ug/L		117	63 - 131
1,3,5-Trimethylbenzene	10.0	11.0		ug/L		110	69 - 134
4-Chlorotoluene	10.0	10.7		ug/L		107	70 - 132
tert-Butylbenzene	10.0	11.4		ug/L		114	68 - 132
1,2,4-Trimethylbenzene	10.0	10.8		ug/L		108	69 - 133
sec-Butylbenzene	10.0	11.0		ug/L		110	67 - 131
1,3-Dichlorobenzene	10.0	11.1		ug/L		111	74 - 128
p-Isopropyltoluene	10.0	10.7		ug/L		107	72 - 127
1,4-Dichlorobenzene	10.0	10.6		ug/L		106	74 - 121
n-Butylbenzene	10.0	10.1		ug/L		101	71 - 127
1,2-Dichlorobenzene	10.0	11.2		ug/L		112	73 - 127
1,2-Dibromo-3-Chloropropane	10.0	11.4		ug/L		114	47 - 136
1,2,4-Trichlorobenzene	10.0	10.9		ug/L		109	62 - 136
1,2,3-Trichlorobenzene	10.0	11.1		ug/L		111	53 - 135
Hexachlorobutadiene	10.0	10.2		ug/L		102	71 - 128
Naphthalene	10.0	11.0		ug/L		110	50 - 142
Methyl tert-butyl ether	10.0	12.0		ug/L		120	77 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-32655/1002
Matrix: Water
Analysis Batch: 32655

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	10.0	10.5		ug/L		105	48 - 142	7	25
Chloromethane	10.0	12.0		ug/L		120	55 - 144	9	21
Vinyl chloride	10.0	12.4		ug/L		124	68 - 136	7	25
Bromomethane	10.0	11.7		ug/L		117	64 - 133	6	25
Chloroethane	10.0	11.3		ug/L		113	69 - 129	2	25
Trichlorofluoromethane	10.0	13.3	*+	ug/L		133	78 - 132	3	19
1,1-Dichloroethene	10.0	12.5		ug/L		125	75 - 140	2	24
Methylene Chloride	10.0	11.0		ug/L		110	20 - 150	3	32
trans-1,2-Dichloroethene	10.0	11.2		ug/L		112	75 - 132	0	17
1,1-Dichloroethane	10.0	11.3		ug/L		113	79 - 121	5	16
2,2-Dichloropropane	10.0	10.4		ug/L		104	69 - 143	5	25
cis-1,2-Dichloroethene	10.0	10.6		ug/L		106	80 - 121	4	18
Bromochloromethane	10.0	11.1		ug/L		111	70 - 133	3	25
Chloroform	10.0	11.4		ug/L		114	80 - 126	2	18
1,1,1-Trichloroethane	10.0	11.2		ug/L		112	80 - 130	1	18
Carbon tetrachloride	10.0	10.8		ug/L		108	75 - 126	1	17
1,1-Dichloropropene	10.0	11.3		ug/L		113	76 - 125	2	24
Benzene	10.0	11.1		ug/L		111	80 - 126	0	18
1,2-Dichloroethane	10.0	10.6		ug/L		106	76 - 127	5	16
Trichloroethene	10.0	11.0		ug/L		110	75 - 129	2	17
1,2-Dichloropropane	10.0	10.6		ug/L		106	80 - 121	1	18
Dibromomethane	10.0	10.5		ug/L		105	70 - 126	5	21
Bromodichloromethane	10.0	10.7		ug/L		107	73 - 135	3	19
cis-1,3-Dichloropropene	10.0	10.3		ug/L		103	72 - 129	1	20
Toluene	10.0	10.8		ug/L		108	80 - 129	2	18
trans-1,3-Dichloropropene	10.0	10.3		ug/L		103	49 - 148	1	35
1,1,2-Trichloroethane	10.0	11.2		ug/L		112	80 - 126	7	16
Tetrachloroethene	10.0	10.8		ug/L		108	77 - 132	1	22
1,3-Dichloropropane	10.0	10.7		ug/L		107	73 - 126	1	23
Dibromochloromethane	10.0	10.2		ug/L		102	72 - 122	2	19
1,2-Dibromoethane (EDB)	10.0	10.3		ug/L		103	74 - 120	4	17
Chlorobenzene	10.0	10.3		ug/L		103	79 - 125	4	17
Ethylbenzene	10.0	10.8		ug/L		108	80 - 128	0	18
1,1,1,2-Tetrachloroethane	10.0	11.1		ug/L		111	75 - 125	1	23
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	60 - 140	2	21
m,p-Xylene	10.0	10.5		ug/L		105	80 - 127	2	18
o-Xylene	10.0	10.6		ug/L		106	80 - 126	0	17
Styrene	10.0	10.5		ug/L		105	67 - 136	1	17
Bromoform	10.0	9.85		ug/L		99	65 - 134	7	20
Isopropylbenzene	10.0	10.5		ug/L		105	77 - 123	2	17
Bromobenzene	10.0	10.9		ug/L		109	68 - 128	1	18
N-Propylbenzene	10.0	10.8		ug/L		108	67 - 138	1	18
1,2,3-Trichloropropane	10.0	11.4		ug/L		114	53 - 143	5	32
2-Chlorotoluene	10.0	10.4		ug/L		104	63 - 131	12	25
1,3,5-Trimethylbenzene	10.0	11.2		ug/L		112	69 - 134	2	17
4-Chlorotoluene	10.0	10.9		ug/L		109	70 - 132	2	18
tert-Butylbenzene	10.0	11.3		ug/L		113	68 - 132	1	19
1,2,4-Trimethylbenzene	10.0	10.8		ug/L		108	69 - 133	0	17

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-32655/1002
Matrix: Water
Analysis Batch: 32655

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
sec-Butylbenzene			10.0	11.1		ug/L		111	67 - 131	1	19
1,3-Dichlorobenzene			10.0	10.6		ug/L		106	74 - 128	4	17
p-Isopropyltoluene			10.0	10.8		ug/L		108	72 - 127	1	18
1,4-Dichlorobenzene			10.0	10.6		ug/L		106	74 - 121	0	18
n-Butylbenzene			10.0	9.99		ug/L		100	71 - 127	1	19
1,2-Dichlorobenzene			10.0	10.6		ug/L		106	73 - 127	5	16
1,2-Dibromo-3-Chloropropane			10.0	10.9		ug/L		109	47 - 136	5	34
1,2,4-Trichlorobenzene			10.0	10.1		ug/L		101	62 - 136	8	26
1,2,3-Trichlorobenzene			10.0	10.1		ug/L		101	53 - 135	9	35
Hexachlorobutadiene			10.0	10.2		ug/L		102	71 - 128	1	22
Naphthalene			10.0	9.61		ug/L		96	50 - 142	14	32
Methyl tert-butyl ether			10.0	11.7		ug/L		117	77 - 128	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*

Lab Sample ID: 590-15596-1 DU
Matrix: Water
Analysis Batch: 32655

Client Sample ID: MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dichlorodifluoromethane	ND			ND		ug/L				NC	25
Chloromethane	ND			ND		ug/L				NC	21
Vinyl chloride	ND			ND		ug/L				NC	25
Bromomethane	ND			ND		ug/L				NC	25
Chloroethane	ND			ND		ug/L				NC	25
Trichlorofluoromethane	ND	*+		ND	*+	ug/L				NC	19
1,1-Dichloroethene	ND			ND		ug/L				NC	24
Methylene Chloride	ND			ND		ug/L				NC	32
trans-1,2-Dichloroethene	ND			ND		ug/L				NC	17
1,1-Dichloroethane	ND			ND		ug/L				NC	16
2,2-Dichloropropane	ND			ND		ug/L				NC	25
cis-1,2-Dichloroethene	ND			ND		ug/L				NC	18
Bromochloromethane	ND			ND		ug/L				NC	25
Chloroform	ND			ND		ug/L				NC	18
1,1,1-Trichloroethane	ND			ND		ug/L				NC	18
Carbon tetrachloride	ND			ND		ug/L				NC	17
1,1-Dichloropropene	ND			ND		ug/L				NC	24
Benzene	ND			ND		ug/L				NC	18
1,2-Dichloroethane	ND			ND		ug/L				NC	16
Trichloroethene	ND			ND		ug/L				NC	17
1,2-Dichloropropane	ND			ND		ug/L				NC	18
Dibromomethane	ND			ND		ug/L				NC	21
Bromodichloromethane	ND			ND		ug/L				NC	19
cis-1,3-Dichloropropene	ND			ND		ug/L				NC	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-15596-1 DU
Matrix: Water
Analysis Batch: 32655

Client Sample ID: MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Toluene	ND			ND		ug/L				NC	18
trans-1,3-Dichloropropene	ND			ND		ug/L				NC	35
1,1,2-Trichloroethane	ND			ND		ug/L				NC	16
Tetrachloroethene	ND			ND		ug/L				NC	22
1,3-Dichloropropane	ND			ND		ug/L				NC	23
Dibromochloromethane	ND			ND		ug/L				NC	19
1,2-Dibromoethane (EDB)	ND			ND		ug/L				NC	17
Chlorobenzene	ND			ND		ug/L				NC	17
Ethylbenzene	ND			ND		ug/L				NC	18
1,1,1,2-Tetrachloroethane	ND			ND		ug/L				NC	23
1,1,2,2-Tetrachloroethane	ND			ND		ug/L				NC	21
m,p-Xylene	ND			ND		ug/L				NC	18
o-Xylene	ND			ND		ug/L				NC	17
Styrene	ND			ND		ug/L				NC	17
Bromoform	ND			ND		ug/L				NC	20
Isopropylbenzene	ND			ND		ug/L				NC	17
Bromobenzene	ND			ND		ug/L				NC	18
N-Propylbenzene	ND			ND		ug/L				NC	18
1,2,3-Trichloropropane	ND			ND		ug/L				NC	32
2-Chlorotoluene	ND			ND		ug/L				NC	25
1,3,5-Trimethylbenzene	ND			ND		ug/L				NC	17
4-Chlorotoluene	ND			ND		ug/L				NC	18
tert-Butylbenzene	ND			ND		ug/L				NC	19
1,2,4-Trimethylbenzene	ND			ND		ug/L				NC	17
sec-Butylbenzene	ND			ND		ug/L				NC	19
1,3-Dichlorobenzene	ND			ND		ug/L				NC	17
p-Isopropyltoluene	ND			ND		ug/L				NC	18
1,4-Dichlorobenzene	ND			ND		ug/L				NC	18
n-Butylbenzene	ND			ND		ug/L				NC	19
1,2-Dichlorobenzene	ND			ND		ug/L				NC	16
1,2-Dibromo-3-Chloropropane	ND			ND		ug/L				NC	34
1,2,4-Trichlorobenzene	ND			ND		ug/L				NC	26
1,2,3-Trichlorobenzene	ND			ND		ug/L				NC	35
Hexachlorobutadiene	ND			ND		ug/L				NC	22
Naphthalene	ND			ND		ug/L				NC	32
Methyl tert-butyl ether	ND			ND		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-32686/1-A
Matrix: Solid
Analysis Batch: 32685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.10	0.028	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Chloromethane	ND		0.50	0.042	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Vinyl chloride	ND		0.060	0.020	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Bromomethane	ND		0.50	0.033	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Chloroethane	ND		0.20	0.056	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Trichlorofluoromethane	ND		0.20	0.033	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,1-Dichloroethene	ND		0.10	0.034	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Methylene Chloride	ND		0.35	0.20	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
trans-1,2-Dichloroethene	ND		0.10	0.023	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,1-Dichloroethane	ND		0.10	0.026	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
2,2-Dichloropropane	ND		0.10	0.024	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
cis-1,2-Dichloroethene	ND		0.10	0.021	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Bromochloromethane	ND		0.10	0.040	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Chloroform	ND		0.10	0.024	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,1,1-Trichloroethane	ND		0.10	0.017	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Carbon tetrachloride	ND		0.10	0.011	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,1-Dichloropropene	ND		0.10	0.017	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Benzene	ND		0.020	0.010	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,2-Dichloroethane	ND		0.10	0.015	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Trichloroethene	ND		0.025	0.0076	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,2-Dichloropropane	ND		0.12	0.030	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Dibromomethane	ND		0.10	0.022	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Bromodichloromethane	ND		0.10	0.062	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
cis-1,3-Dichloropropene	ND		0.10	0.020	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Toluene	ND		0.10	0.013	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
trans-1,3-Dichloropropene	ND		0.10	0.026	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,1,2-Trichloroethane	ND		0.10	0.035	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Tetrachloroethene	ND		0.040	0.018	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,3-Dichloropropane	ND		0.10	0.030	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Dibromochloromethane	ND		0.20	0.016	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,2-Dibromoethane (EDB)	ND		0.10	0.034	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Chlorobenzene	ND		0.10	0.021	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.019	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.029	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
m,p-Xylene	ND		0.40	0.029	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
o-Xylene	ND		0.20	0.023	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Styrene	ND		0.10	0.024	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Bromoform	ND		0.20	0.019	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Isopropylbenzene	ND		0.10	0.031	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Bromobenzene	ND		0.10	0.022	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
N-Propylbenzene	ND		0.10	0.026	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,2,3-Trichloropropane	ND		0.20	0.037	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
2-Chlorotoluene	ND		0.10	0.016	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,3,5-Trimethylbenzene	ND		0.10	0.032	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
4-Chlorotoluene	ND		0.10	0.0087	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
tert-Butylbenzene	ND		0.10	0.020	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,2,4-Trimethylbenzene	ND		0.10	0.023	mg/Kg		08/09/21 12:16	08/09/21 12:26	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-32686/1-A
Matrix: Solid
Analysis Batch: 32685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.10	0.019	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,3-Dichlorobenzene	ND		0.10	0.013	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
p-Isopropyltoluene	ND		0.10	0.020	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,4-Dichlorobenzene	ND		0.10	0.021	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
n-Butylbenzene	ND		0.10	0.028	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,2-Dichlorobenzene	ND		0.10	0.023	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.060	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,2,4-Trichlorobenzene	ND		0.10	0.019	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
1,2,3-Trichlorobenzene	ND		0.10	0.033	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Hexachlorobutadiene	ND		0.10	0.016	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Naphthalene	ND		0.20	0.028	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		08/09/21 12:16	08/09/21 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*	*08/09/21 12:16*	*08/09/21 12:26*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 122*	*08/09/21 12:16*	*08/09/21 12:26*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*	*08/09/21 12:16*	*08/09/21 12:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 129*	*08/09/21 12:16*	*08/09/21 12:26*	*1*

Lab Sample ID: LCS 590-32686/2-A
Matrix: Solid
Analysis Batch: 32685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.500	0.363		mg/Kg		73	34 - 120
Chloromethane	0.500	0.430	J	mg/Kg		86	63 - 120
Vinyl chloride	0.500	0.491		mg/Kg		98	66 - 129
Bromomethane	0.500	0.511		mg/Kg		102	56 - 138
Chloroethane	0.500	0.516		mg/Kg		103	50 - 142
Trichlorofluoromethane	0.500	0.577		mg/Kg		115	64 - 143
1,1-Dichloroethene	0.500	0.694	*+	mg/Kg		139	73 - 135
Methylene Chloride	0.500	0.552		mg/Kg		110	30 - 150
trans-1,2-Dichloroethene	0.500	0.545		mg/Kg		109	80 - 126
1,1-Dichloroethane	0.500	0.535		mg/Kg		107	80 - 129
2,2-Dichloropropane	0.500	0.634		mg/Kg		127	80 - 138
cis-1,2-Dichloroethene	0.500	0.524		mg/Kg		105	80 - 124
Bromochloromethane	0.500	0.548		mg/Kg		110	75 - 135
Chloroform	0.500	0.538		mg/Kg		108	80 - 130
1,1,1-Trichloroethane	0.500	0.557		mg/Kg		111	80 - 130
Carbon tetrachloride	0.500	0.541		mg/Kg		108	72 - 138
1,1-Dichloropropene	0.500	0.556		mg/Kg		111	78 - 132
Benzene	0.500	0.547		mg/Kg		109	76 - 129
1,2-Dichloroethane	0.500	0.512		mg/Kg		102	80 - 129
Trichloroethene	0.500	0.527		mg/Kg		105	79 - 133
1,2-Dichloropropane	0.500	0.496		mg/Kg		99	75 - 121
Dibromomethane	0.500	0.474		mg/Kg		95	80 - 123
Bromodichloromethane	0.500	0.504		mg/Kg		101	80 - 128
cis-1,3-Dichloropropene	0.500	0.490		mg/Kg		98	80 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-32686/2-A
Matrix: Solid
Analysis Batch: 32685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.500	0.509		mg/Kg		102	77 - 131
trans-1,3-Dichloropropene	0.500	0.496		mg/Kg		99	80 - 124
1,1,2-Trichloroethane	0.500	0.484		mg/Kg		97	80 - 125
Tetrachloroethene	0.500	0.510		mg/Kg		102	77 - 134
1,3-Dichloropropane	0.500	0.467		mg/Kg		93	76 - 125
Dibromochloromethane	0.500	0.472		mg/Kg		94	78 - 127
1,2-Dibromoethane (EDB)	0.500	0.446		mg/Kg		89	80 - 121
Chlorobenzene	0.500	0.491		mg/Kg		98	80 - 129
Ethylbenzene	0.500	0.510		mg/Kg		102	77 - 126
1,1,1,2-Tetrachloroethane	0.500	0.487		mg/Kg		97	80 - 128
1,1,2,2-Tetrachloroethane	0.500	0.426		mg/Kg		85	75 - 128
m,p-Xylene	0.500	0.496		mg/Kg		99	78 - 130
o-Xylene	0.500	0.485		mg/Kg		97	77 - 129
Styrene	0.500	0.488		mg/Kg		98	80 - 128
Bromoform	0.500	0.436		mg/Kg		87	72 - 133
Isopropylbenzene	0.500	0.500		mg/Kg		100	78 - 139
Bromobenzene	0.500	0.498		mg/Kg		100	75 - 129
N-Propylbenzene	0.500	0.522		mg/Kg		104	77 - 131
1,2,3-Trichloropropane	0.500	0.470		mg/Kg		94	67 - 131
2-Chlorotoluene	0.500	0.542		mg/Kg		108	77 - 135
1,3,5-Trimethylbenzene	0.500	0.514		mg/Kg		103	76 - 133
4-Chlorotoluene	0.500	0.516		mg/Kg		103	77 - 133
tert-Butylbenzene	0.500	0.522		mg/Kg		104	76 - 130
1,2,4-Trimethylbenzene	0.500	0.513		mg/Kg		103	76 - 132
sec-Butylbenzene	0.500	0.528		mg/Kg		106	76 - 130
1,3-Dichlorobenzene	0.500	0.513		mg/Kg		103	80 - 123
p-Isopropyltoluene	0.500	0.514		mg/Kg		103	80 - 130
1,4-Dichlorobenzene	0.500	0.515		mg/Kg		103	80 - 125
n-Butylbenzene	0.500	0.496		mg/Kg		99	80 - 131
1,2-Dichlorobenzene	0.500	0.502		mg/Kg		100	80 - 124
1,2-Dibromo-3-Chloropropane	0.500	0.457	J	mg/Kg		91	49 - 139
1,2,4-Trichlorobenzene	0.500	0.455		mg/Kg		91	79 - 126
1,2,3-Trichlorobenzene	0.500	0.417		mg/Kg		83	66 - 130
Hexachlorobutadiene	0.500	0.438		mg/Kg		88	80 - 136
Naphthalene	0.500	0.426		mg/Kg		85	53 - 144
Methyl tert-butyl ether	0.500	0.550		mg/Kg		110	80 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*76 - 122*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 129*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-15596-7 MS
Matrix: Solid
Analysis Batch: 32685

Client Sample ID: MW-6D;10'
Prep Type: Total/NA
Prep Batch: 32686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	ND		0.931	0.906		mg/Kg	☼	97	34 - 120
Chloromethane	ND		0.931	0.889	J	mg/Kg	☼	96	63 - 120
Vinyl chloride	ND		0.931	0.996		mg/Kg	☼	107	66 - 129
Bromomethane	ND		0.931	0.932		mg/Kg	☼	100	56 - 138
Chloroethane	ND		0.931	0.975		mg/Kg	☼	105	50 - 142
Trichlorofluoromethane	ND		0.931	1.04		mg/Kg	☼	112	64 - 143
1,1-Dichloroethene	ND	*+	0.931	1.25		mg/Kg	☼	134	73 - 135
Methylene Chloride	ND		0.931	0.915		mg/Kg	☼	98	30 - 150
trans-1,2-Dichloroethene	ND		0.931	0.982		mg/Kg	☼	105	80 - 126
1,1-Dichloroethane	ND		0.931	0.936		mg/Kg	☼	101	80 - 129
2,2-Dichloropropane	ND		0.931	1.13		mg/Kg	☼	121	80 - 138
cis-1,2-Dichloroethene	ND		0.931	0.915		mg/Kg	☼	98	80 - 124
Bromochloromethane	ND		0.931	0.903		mg/Kg	☼	97	75 - 135
Chloroform	ND		0.931	0.918		mg/Kg	☼	99	80 - 130
1,1,1-Trichloroethane	ND		0.931	1.04		mg/Kg	☼	112	80 - 130
Carbon tetrachloride	ND		0.931	0.961		mg/Kg	☼	103	72 - 138
1,1-Dichloropropene	ND		0.931	0.992		mg/Kg	☼	107	78 - 132
Benzene	ND		0.931	0.985		mg/Kg	☼	106	76 - 129
1,2-Dichloroethane	ND		0.931	0.914		mg/Kg	☼	98	80 - 129
Trichloroethene	ND		0.931	0.958		mg/Kg	☼	103	79 - 133
1,2-Dichloropropane	ND		0.931	0.910		mg/Kg	☼	98	75 - 121
Dibromomethane	ND		0.931	0.837		mg/Kg	☼	90	80 - 123
Bromodichloromethane	ND		0.931	0.933		mg/Kg	☼	100	80 - 128
cis-1,3-Dichloropropene	ND		0.931	0.900		mg/Kg	☼	97	80 - 126
Toluene	ND		0.931	0.928		mg/Kg	☼	100	77 - 131
trans-1,3-Dichloropropene	ND		0.931	0.920		mg/Kg	☼	99	80 - 124
1,1,2-Trichloroethane	ND		0.931	0.885		mg/Kg	☼	95	80 - 125
Tetrachloroethene	ND		0.931	0.955		mg/Kg	☼	103	77 - 134
1,3-Dichloropropane	ND		0.931	0.876		mg/Kg	☼	94	76 - 125
Dibromochloromethane	ND		0.931	0.868		mg/Kg	☼	93	78 - 127
1,2-Dibromoethane (EDB)	ND		0.931	0.821		mg/Kg	☼	88	80 - 121
Chlorobenzene	ND		0.931	0.921		mg/Kg	☼	99	80 - 129
Ethylbenzene	ND		0.931	0.949		mg/Kg	☼	102	77 - 126
1,1,1,2-Tetrachloroethane	ND		0.931	0.894		mg/Kg	☼	96	80 - 128
1,1,2,2-Tetrachloroethane	ND		0.931	0.810		mg/Kg	☼	87	75 - 128
m,p-Xylene	ND		0.931	0.930		mg/Kg	☼	100	78 - 130
o-Xylene	ND		0.931	0.906		mg/Kg	☼	97	77 - 129
Styrene	ND		0.931	0.918		mg/Kg	☼	99	80 - 128
Bromoform	ND		0.931	0.814		mg/Kg	☼	87	72 - 133
Isopropylbenzene	ND		0.931	0.905		mg/Kg	☼	97	78 - 139
Bromobenzene	ND		0.931	0.929		mg/Kg	☼	100	75 - 129
N-Propylbenzene	ND		0.931	0.957		mg/Kg	☼	103	77 - 131
1,2,3-Trichloropropane	ND		0.931	0.862		mg/Kg	☼	93	67 - 131
2-Chlorotoluene	ND		0.931	1.02		mg/Kg	☼	110	77 - 135
1,3,5-Trimethylbenzene	ND		0.931	0.924		mg/Kg	☼	99	76 - 133
4-Chlorotoluene	ND		0.931	0.944		mg/Kg	☼	101	77 - 133
tert-Butylbenzene	ND		0.931	0.950		mg/Kg	☼	102	76 - 130
1,2,4-Trimethylbenzene	ND		0.931	0.927		mg/Kg	☼	100	76 - 132

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-15596-7 MS
Matrix: Solid
Analysis Batch: 32685

Client Sample ID: MW-6D;10'
Prep Type: Total/NA
Prep Batch: 32686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	ND		0.931	0.952		mg/Kg	☼	102	76 - 130
1,3-Dichlorobenzene	ND		0.931	0.919		mg/Kg	☼	99	80 - 123
p-Isopropyltoluene	ND		0.931	0.911		mg/Kg	☼	98	80 - 130
1,4-Dichlorobenzene	ND		0.931	0.908		mg/Kg	☼	98	80 - 125
n-Butylbenzene	ND		0.931	0.897		mg/Kg	☼	96	80 - 131
1,2-Dichlorobenzene	ND		0.931	0.888		mg/Kg	☼	95	80 - 124
1,2-Dibromo-3-Chloropropane	ND		0.931	0.676	J	mg/Kg	☼	73	49 - 139
1,2,4-Trichlorobenzene	ND		0.931	0.840		mg/Kg	☼	90	79 - 126
1,2,3-Trichlorobenzene	ND		0.931	0.807		mg/Kg	☼	87	66 - 130
Hexachlorobutadiene	ND		0.931	0.837		mg/Kg	☼	90	80 - 136
Naphthalene	ND		0.931	0.826		mg/Kg	☼	89	53 - 144
Methyl tert-butyl ether	ND		0.931	0.944		mg/Kg	☼	101	80 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	93		76 - 122
Dibromofluoromethane (Surr)	97		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		75 - 129

Lab Sample ID: 590-15596-7 MSD
Matrix: Solid
Analysis Batch: 32685

Client Sample ID: MW-6D;10'
Prep Type: Total/NA
Prep Batch: 32686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND		0.931	0.921		mg/Kg	☼	99	34 - 120	2	24
Chloromethane	ND		0.931	0.917	J	mg/Kg	☼	99	63 - 120	3	22
Vinyl chloride	ND		0.931	1.03		mg/Kg	☼	110	66 - 129	3	20
Bromomethane	ND		0.931	0.983		mg/Kg	☼	106	56 - 138	5	21
Chloroethane	ND		0.931	1.05		mg/Kg	☼	112	50 - 142	7	25
Trichlorofluoromethane	ND		0.931	1.02		mg/Kg	☼	109	64 - 143	2	25
1,1-Dichloroethene	ND	*+	0.931	1.25		mg/Kg	☼	134	73 - 135	0	18
Methylene Chloride	ND		0.931	0.942		mg/Kg	☼	101	30 - 150	3	40
trans-1,2-Dichloroethene	ND		0.931	0.959		mg/Kg	☼	103	80 - 126	2	25
1,1-Dichloroethane	ND		0.931	0.913		mg/Kg	☼	98	80 - 129	2	25
2,2-Dichloropropane	ND		0.931	1.14		mg/Kg	☼	122	80 - 138	1	22
cis-1,2-Dichloroethene	ND		0.931	0.947		mg/Kg	☼	102	80 - 124	3	23
Bromochloromethane	ND		0.931	0.895		mg/Kg	☼	96	75 - 135	1	25
Chloroform	ND		0.931	0.954		mg/Kg	☼	102	80 - 130	4	25
1,1,1-Trichloroethane	ND		0.931	1.02		mg/Kg	☼	110	80 - 130	2	19
Carbon tetrachloride	ND		0.931	1.03		mg/Kg	☼	111	72 - 138	7	25
1,1-Dichloropropene	ND		0.931	0.992		mg/Kg	☼	107	78 - 132	0	24
Benzene	ND		0.931	0.986		mg/Kg	☼	106	76 - 129	0	25
1,2-Dichloroethane	ND		0.931	0.942		mg/Kg	☼	101	80 - 129	3	25
Trichloroethene	ND		0.931	0.960		mg/Kg	☼	103	79 - 133	0	25
1,2-Dichloropropane	ND		0.931	0.955		mg/Kg	☼	103	75 - 121	5	20
Dibromomethane	ND		0.931	0.881		mg/Kg	☼	95	80 - 123	5	24
Bromodichloromethane	ND		0.931	0.953		mg/Kg	☼	102	80 - 128	2	26
cis-1,3-Dichloropropene	ND		0.931	0.926		mg/Kg	☼	100	80 - 126	3	24

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-15596-7 MSD
Client Sample ID: MW-6D;10'
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 32685
Prep Batch: 32686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		0.931	0.954		mg/Kg	☼	102	77 - 131	3	25
trans-1,3-Dichloropropene	ND		0.931	0.930		mg/Kg	☼	100	80 - 124	1	28
1,1,2-Trichloroethane	ND		0.931	0.967		mg/Kg	☼	104	80 - 125	9	31
Tetrachloroethene	ND		0.931	0.976		mg/Kg	☼	105	77 - 134	2	24
1,3-Dichloropropane	ND		0.931	0.935		mg/Kg	☼	100	76 - 125	7	16
Dibromochloromethane	ND		0.931	0.904		mg/Kg	☼	97	78 - 127	4	25
1,2-Dibromoethane (EDB)	ND		0.931	0.859		mg/Kg	☼	92	80 - 121	4	18
Chlorobenzene	ND		0.931	0.954		mg/Kg	☼	102	80 - 129	4	25
Ethylbenzene	ND		0.931	0.974		mg/Kg	☼	105	77 - 126	3	25
1,1,1,2-Tetrachloroethane	ND		0.931	0.944		mg/Kg	☼	101	80 - 128	5	25
1,1,2,2-Tetrachloroethane	ND		0.931	0.850		mg/Kg	☼	91	75 - 128	5	22
m,p-Xylene	ND		0.931	0.935		mg/Kg	☼	101	78 - 130	1	23
o-Xylene	ND		0.931	0.903		mg/Kg	☼	97	77 - 129	0	25
Styrene	ND		0.931	0.968		mg/Kg	☼	104	80 - 128	5	25
Bromoform	ND		0.931	0.855		mg/Kg	☼	92	72 - 133	5	34
Isopropylbenzene	ND		0.931	0.921		mg/Kg	☼	99	78 - 139	2	24
Bromobenzene	ND		0.931	0.944		mg/Kg	☼	101	75 - 129	2	25
N-Propylbenzene	ND		0.931	0.968		mg/Kg	☼	104	77 - 131	1	25
1,2,3-Trichloropropane	ND		0.931	0.889		mg/Kg	☼	96	67 - 131	3	27
2-Chlorotoluene	ND		0.931	0.921		mg/Kg	☼	99	77 - 135	10	20
1,3,5-Trimethylbenzene	ND		0.931	0.967		mg/Kg	☼	104	76 - 133	5	20
4-Chlorotoluene	ND		0.931	0.955		mg/Kg	☼	103	77 - 133	1	25
tert-Butylbenzene	ND		0.931	0.958		mg/Kg	☼	103	76 - 130	1	16
1,2,4-Trimethylbenzene	ND		0.931	0.947		mg/Kg	☼	102	76 - 132	2	21
sec-Butylbenzene	ND		0.931	0.964		mg/Kg	☼	104	76 - 130	1	34
1,3-Dichlorobenzene	ND		0.931	0.916		mg/Kg	☼	98	80 - 123	0	18
p-Isopropyltoluene	ND		0.931	0.951		mg/Kg	☼	102	80 - 130	4	26
1,4-Dichlorobenzene	ND		0.931	0.940		mg/Kg	☼	101	80 - 125	3	16
n-Butylbenzene	ND		0.931	0.913		mg/Kg	☼	98	80 - 131	2	20
1,2-Dichlorobenzene	ND		0.931	0.919		mg/Kg	☼	99	80 - 124	3	25
1,2-Dibromo-3-Chloropropane	ND		0.931	0.737	J	mg/Kg	☼	79	49 - 139	9	40
1,2,4-Trichlorobenzene	ND		0.931	0.866		mg/Kg	☼	93	79 - 126	3	25
1,2,3-Trichlorobenzene	ND		0.931	0.809		mg/Kg	☼	87	66 - 130	0	25
Hexachlorobutadiene	ND		0.931	0.887		mg/Kg	☼	95	80 - 136	6	25
Naphthalene	ND		0.931	0.867		mg/Kg	☼	93	53 - 144	5	36
Methyl tert-butyl ether	ND		0.931	0.991		mg/Kg	☼	106	80 - 123	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*76 - 122*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 129*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-15596-6 DU
Matrix: Solid
Analysis Batch: 32685

Client Sample ID: MW-6D;12'
Prep Type: Total/NA
Prep Batch: 32686

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	ND		ND		mg/Kg	☼	NC	24
Chloromethane	ND		ND		mg/Kg	☼	NC	22
Vinyl chloride	ND		ND		mg/Kg	☼	NC	20
Bromomethane	ND		ND		mg/Kg	☼	NC	21
Chloroethane	ND		ND		mg/Kg	☼	NC	25
Trichlorofluoromethane	ND		ND		mg/Kg	☼	NC	25
1,1-Dichloroethene	ND	*+	ND	*+	mg/Kg	☼	NC	18
Methylene Chloride	ND		ND		mg/Kg	☼	NC	40
trans-1,2-Dichloroethene	ND		ND		mg/Kg	☼	NC	25
1,1-Dichloroethane	ND		ND		mg/Kg	☼	NC	25
2,2-Dichloropropane	ND		ND		mg/Kg	☼	NC	22
cis-1,2-Dichloroethene	ND		ND		mg/Kg	☼	NC	23
Bromochloromethane	ND		ND		mg/Kg	☼	NC	25
Chloroform	ND		ND		mg/Kg	☼	NC	25
1,1,1-Trichloroethane	ND		ND		mg/Kg	☼	NC	19
Carbon tetrachloride	ND		ND		mg/Kg	☼	NC	25
1,1-Dichloropropene	ND		ND		mg/Kg	☼	NC	24
Benzene	ND		ND		mg/Kg	☼	NC	25
1,2-Dichloroethane	ND		ND		mg/Kg	☼	NC	25
Trichloroethene	ND		ND		mg/Kg	☼	NC	25
1,2-Dichloropropane	ND		ND		mg/Kg	☼	NC	20
Dibromomethane	ND		ND		mg/Kg	☼	NC	24
Bromodichloromethane	ND		ND		mg/Kg	☼	NC	26
cis-1,3-Dichloropropene	ND		ND		mg/Kg	☼	NC	24
Toluene	ND		ND		mg/Kg	☼	NC	25
trans-1,3-Dichloropropene	ND		ND		mg/Kg	☼	NC	28
1,1,2-Trichloroethane	ND		ND		mg/Kg	☼	NC	31
Tetrachloroethene	ND		ND		mg/Kg	☼	NC	24
1,3-Dichloropropane	ND		ND		mg/Kg	☼	NC	16
Dibromochloromethane	ND		ND		mg/Kg	☼	NC	25
1,2-Dibromoethane (EDB)	ND		ND		mg/Kg	☼	NC	18
Chlorobenzene	ND		ND		mg/Kg	☼	NC	25
Ethylbenzene	ND		ND		mg/Kg	☼	NC	25
1,1,1,2-Tetrachloroethane	ND		ND		mg/Kg	☼	NC	25
1,1,2,2-Tetrachloroethane	ND		ND		mg/Kg	☼	NC	22
m,p-Xylene	ND		ND		mg/Kg	☼	NC	23
o-Xylene	ND		ND		mg/Kg	☼	NC	25
Styrene	ND		ND		mg/Kg	☼	NC	25
Bromoform	ND		ND		mg/Kg	☼	NC	34
Isopropylbenzene	ND		ND		mg/Kg	☼	NC	24
Bromobenzene	ND		ND		mg/Kg	☼	NC	25
N-Propylbenzene	ND		ND		mg/Kg	☼	NC	25
1,2,3-Trichloropropane	ND		ND		mg/Kg	☼	NC	27
2-Chlorotoluene	ND		ND		mg/Kg	☼	NC	20
1,3,5-Trimethylbenzene	ND		ND		mg/Kg	☼	NC	20
4-Chlorotoluene	ND		ND		mg/Kg	☼	NC	25
tert-Butylbenzene	ND		ND		mg/Kg	☼	NC	16
1,2,4-Trimethylbenzene	ND		ND		mg/Kg	☼	NC	21

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-15596-6 DU
Matrix: Solid
Analysis Batch: 32685

Client Sample ID: MW-6D;12'
Prep Type: Total/NA
Prep Batch: 32686

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
sec-Butylbenzene	ND			ND		mg/Kg	☼			NC	34
1,3-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	18
p-Isopropyltoluene	ND			ND		mg/Kg	☼			NC	26
1,4-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	16
n-Butylbenzene	ND			ND		mg/Kg	☼			NC	20
1,2-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	25
1,2-Dibromo-3-Chloropropane	ND			ND		mg/Kg	☼			NC	40
1,2,4-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	25
1,2,3-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	25
Hexachlorobutadiene	ND			ND		mg/Kg	☼			NC	25
Naphthalene	ND			ND		mg/Kg	☼			NC	36
Methyl tert-butyl ether	ND			ND		mg/Kg	☼			NC	25

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*87*		*76 - 122*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 129*

Lab Sample ID: MB 590-32722/6
Matrix: Water
Analysis Batch: 32722

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/11/21 12:11	1
Chloromethane	ND		3.0	0.50	ug/L			08/11/21 12:11	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/11/21 12:11	1
Bromomethane	ND		5.0	0.76	ug/L			08/11/21 12:11	1
Chloroethane	ND		2.0	0.40	ug/L			08/11/21 12:11	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/11/21 12:11	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/11/21 12:11	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/11/21 12:11	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/11/21 12:11	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/11/21 12:11	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/11/21 12:11	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/11/21 12:11	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/11/21 12:11	1
Chloroform	ND		1.0	0.24	ug/L			08/11/21 12:11	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/11/21 12:11	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/11/21 12:11	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/11/21 12:11	1
Benzene	ND		0.40	0.093	ug/L			08/11/21 12:11	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/11/21 12:11	1
Trichloroethene	ND		1.0	0.20	ug/L			08/11/21 12:11	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/11/21 12:11	1
Dibromomethane	ND		2.0	0.50	ug/L			08/11/21 12:11	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/11/21 12:11	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/11/21 12:11	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-32722/6
Matrix: Water
Analysis Batch: 32722

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.31	ug/L			08/11/21 12:11	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/11/21 12:11	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/11/21 12:11	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/11/21 12:11	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/11/21 12:11	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/11/21 12:11	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/11/21 12:11	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/11/21 12:11	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/11/21 12:11	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/11/21 12:11	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/11/21 12:11	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/11/21 12:11	1
o-Xylene	ND		1.0	0.16	ug/L			08/11/21 12:11	1
Styrene	ND		1.0	0.24	ug/L			08/11/21 12:11	1
Bromoform	ND		5.0	0.66	ug/L			08/11/21 12:11	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/11/21 12:11	1
Bromobenzene	ND		1.0	0.28	ug/L			08/11/21 12:11	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/11/21 12:11	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/11/21 12:11	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/11/21 12:11	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/11/21 12:11	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/11/21 12:11	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/11/21 12:11	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/11/21 12:11	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/11/21 12:11	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/11/21 12:11	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/11/21 12:11	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/11/21 12:11	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/11/21 12:11	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/11/21 12:11	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/11/21 12:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			08/11/21 12:11	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/11/21 12:11	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/11/21 12:11	1
Naphthalene	ND		2.0	0.63	ug/L			08/11/21 12:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/11/21 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/11/21 12:11*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/11/21 12:11*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/11/21 12:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/11/21 12:11*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-32722/4
Matrix: Water
Analysis Batch: 32722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	11.5		ug/L		115	48 - 142
Chloromethane	10.0	10.8		ug/L		108	55 - 144
Vinyl chloride	10.0	11.7		ug/L		117	68 - 136
Bromomethane	10.0	11.0		ug/L		110	64 - 133
Chloroethane	10.0	11.0		ug/L		110	69 - 129
Trichlorofluoromethane	10.0	11.9		ug/L		119	78 - 132
1,1-Dichloroethene	10.0	10.5		ug/L		105	75 - 140
Methylene Chloride	10.0	9.45		ug/L		94	20 - 150
trans-1,2-Dichloroethene	10.0	9.61		ug/L		96	75 - 132
1,1-Dichloroethane	10.0	10.2		ug/L		102	79 - 121
2,2-Dichloropropane	10.0	9.90		ug/L		99	69 - 143
cis-1,2-Dichloroethene	10.0	9.97		ug/L		100	80 - 121
Bromochloromethane	10.0	10.7		ug/L		107	70 - 133
Chloroform	10.0	10.2		ug/L		102	80 - 126
1,1,1-Trichloroethane	10.0	9.99		ug/L		100	80 - 130
Carbon tetrachloride	10.0	9.61		ug/L		96	75 - 126
1,1-Dichloropropene	10.0	9.59		ug/L		96	76 - 125
Benzene	10.0	9.88		ug/L		99	80 - 126
1,2-Dichloroethane	10.0	9.91		ug/L		99	76 - 127
Trichloroethene	10.0	9.60		ug/L		96	75 - 129
1,2-Dichloropropane	10.0	10.2		ug/L		102	80 - 121
Dibromomethane	10.0	10.1		ug/L		101	70 - 126
Bromodichloromethane	10.0	9.94		ug/L		99	73 - 135
cis-1,3-Dichloropropene	10.0	9.93		ug/L		99	72 - 129
Toluene	10.0	9.86		ug/L		99	80 - 129
trans-1,3-Dichloropropene	10.0	9.83		ug/L		98	49 - 148
1,1,2-Trichloroethane	10.0	9.83		ug/L		98	80 - 126
Tetrachloroethene	10.0	10.4		ug/L		104	77 - 132
1,3-Dichloropropane	10.0	10.0		ug/L		100	73 - 126
Dibromochloromethane	10.0	9.99		ug/L		100	72 - 122
1,2-Dibromoethane (EDB)	10.0	9.62		ug/L		96	74 - 120
Chlorobenzene	10.0	9.90		ug/L		99	79 - 125
Ethylbenzene	10.0	10.0		ug/L		100	80 - 128
1,1,1,2-Tetrachloroethane	10.0	10.4		ug/L		104	75 - 125
1,1,2,2-Tetrachloroethane	10.0	9.64		ug/L		96	60 - 140
m,p-Xylene	10.0	9.89		ug/L		99	80 - 127
o-Xylene	10.0	9.85		ug/L		98	80 - 126
Styrene	10.0	9.77		ug/L		98	67 - 136
Bromoform	10.0	10.3		ug/L		103	65 - 134
Isopropylbenzene	10.0	9.88		ug/L		99	77 - 123
Bromobenzene	10.0	9.16		ug/L		92	68 - 128
N-Propylbenzene	10.0	9.31		ug/L		93	67 - 138
1,2,3-Trichloropropane	10.0	10.1		ug/L		101	53 - 143
2-Chlorotoluene	10.0	9.25		ug/L		92	63 - 131
1,3,5-Trimethylbenzene	10.0	9.56		ug/L		96	69 - 134
4-Chlorotoluene	10.0	9.35		ug/L		94	70 - 132
tert-Butylbenzene	10.0	9.63		ug/L		96	68 - 132
1,2,4-Trimethylbenzene	10.0	9.69		ug/L		97	69 - 133

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-32722/4
Matrix: Water
Analysis Batch: 32722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
sec-Butylbenzene			10.0	9.63		ug/L		96	67 - 131		
1,3-Dichlorobenzene			10.0	9.61		ug/L		96	74 - 128		
p-Isopropyltoluene			10.0	9.81		ug/L		98	72 - 127		
1,4-Dichlorobenzene			10.0	9.75		ug/L		98	74 - 121		
n-Butylbenzene			10.0	9.65		ug/L		97	71 - 127		
1,2-Dichlorobenzene			10.0	9.83		ug/L		98	73 - 127		
1,2-Dibromo-3-Chloropropane			10.0	9.97	J	ug/L		100	47 - 136		
1,2,4-Trichlorobenzene			10.0	10.1		ug/L		101	62 - 136		
1,2,3-Trichlorobenzene			10.0	9.94		ug/L		99	53 - 135		
Hexachlorobutadiene			10.0	10.6		ug/L		106	71 - 128		
Naphthalene			10.0	9.89		ug/L		99	50 - 142		
Methyl tert-butyl ether			10.0	10.6		ug/L		106	77 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*

Lab Sample ID: LCSD 590-32722/1003
Matrix: Water
Analysis Batch: 32722

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane			10.0	11.1		ug/L		111	48 - 142	3	25
Chloromethane			10.0	10.5		ug/L		105	55 - 144	3	21
Vinyl chloride			10.0	11.7		ug/L		117	68 - 136	0	25
Bromomethane			10.0	10.8		ug/L		108	64 - 133	2	25
Chloroethane			10.0	11.0		ug/L		110	69 - 129	0	25
Trichlorofluoromethane			10.0	12.3		ug/L		123	78 - 132	4	19
1,1-Dichloroethene			10.0	10.5		ug/L		105	75 - 140	1	24
Methylene Chloride			10.0	9.51		ug/L		95	20 - 150	1	32
trans-1,2-Dichloroethene			10.0	10.3		ug/L		103	75 - 132	7	17
1,1-Dichloroethane			10.0	10.3		ug/L		103	79 - 121	1	16
2,2-Dichloropropane			10.0	11.0		ug/L		110	69 - 143	10	25
cis-1,2-Dichloroethene			10.0	10.2		ug/L		102	80 - 121	2	18
Bromochloromethane			10.0	11.0		ug/L		110	70 - 133	3	25
Chloroform			10.0	10.0		ug/L		100	80 - 126	1	18
1,1,1-Trichloroethane			10.0	10.9		ug/L		109	80 - 130	8	18
Carbon tetrachloride			10.0	10.2		ug/L		102	75 - 126	6	17
1,1-Dichloropropene			10.0	9.91		ug/L		99	76 - 125	3	24
Benzene			10.0	10.6		ug/L		106	80 - 126	7	18
1,2-Dichloroethane			10.0	10.6		ug/L		106	76 - 127	7	16
Trichloroethene			10.0	10.2		ug/L		102	75 - 129	6	17
1,2-Dichloropropane			10.0	10.6		ug/L		106	80 - 121	4	18
Dibromomethane			10.0	10.2		ug/L		102	70 - 126	1	21
Bromodichloromethane			10.0	10.4		ug/L		104	73 - 135	4	19
cis-1,3-Dichloropropene			10.0	10.2		ug/L		102	72 - 129	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-32722/1003
Matrix: Water
Analysis Batch: 32722

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			10.0	10.1		ug/L		101	80 - 129	3	18
trans-1,3-Dichloropropene			10.0	10.4		ug/L		104	49 - 148	5	35
1,1,2-Trichloroethane			10.0	9.89		ug/L		99	80 - 126	1	16
Tetrachloroethene			10.0	10.1		ug/L		101	77 - 132	3	22
1,3-Dichloropropane			10.0	10.4		ug/L		104	73 - 126	4	23
Dibromochloromethane			10.0	9.50		ug/L		95	72 - 122	5	19
1,2-Dibromoethane (EDB)			10.0	9.86		ug/L		99	74 - 120	2	17
Chlorobenzene			10.0	9.84		ug/L		98	79 - 125	1	17
Ethylbenzene			10.0	10.3		ug/L		103	80 - 128	3	18
1,1,1,2-Tetrachloroethane			10.0	10.6		ug/L		106	75 - 125	2	23
1,1,2,2-Tetrachloroethane			10.0	10.6		ug/L		106	60 - 140	10	21
m,p-Xylene			10.0	10.2		ug/L		102	80 - 127	3	18
o-Xylene			10.0	10.2		ug/L		102	80 - 126	3	17
Styrene			10.0	9.84		ug/L		98	67 - 136	1	17
Bromoform			10.0	9.89		ug/L		99	65 - 134	4	20
Isopropylbenzene			10.0	10.4		ug/L		104	77 - 123	5	17
Bromobenzene			10.0	9.87		ug/L		99	68 - 128	7	18
N-Propylbenzene			10.0	10.3		ug/L		103	67 - 138	10	18
1,2,3-Trichloropropane			10.0	10.4		ug/L		104	53 - 143	3	32
2-Chlorotoluene			10.0	9.71		ug/L		97	63 - 131	5	25
1,3,5-Trimethylbenzene			10.0	10.6		ug/L		106	69 - 134	10	17
4-Chlorotoluene			10.0	10.1		ug/L		101	70 - 132	7	18
tert-Butylbenzene			10.0	10.1		ug/L		101	68 - 132	5	19
1,2,4-Trimethylbenzene			10.0	10.3		ug/L		103	69 - 133	6	17
sec-Butylbenzene			10.0	10.4		ug/L		104	67 - 131	7	19
1,3-Dichlorobenzene			10.0	10.1		ug/L		101	74 - 128	5	17
p-Isopropyltoluene			10.0	10.4		ug/L		104	72 - 127	6	18
1,4-Dichlorobenzene			10.0	10.2		ug/L		102	74 - 121	4	18
n-Butylbenzene			10.0	10.2		ug/L		102	71 - 127	6	19
1,2-Dichlorobenzene			10.0	10.5		ug/L		105	73 - 127	6	16
1,2-Dibromo-3-Chloropropane			10.0	11.7		ug/L		117	47 - 136	16	34
1,2,4-Trichlorobenzene			10.0	10.9		ug/L		109	62 - 136	7	26
1,2,3-Trichlorobenzene			10.0	11.0		ug/L		110	53 - 135	10	35
Hexachlorobutadiene			10.0	11.6		ug/L		116	71 - 128	9	22
Naphthalene			10.0	10.3		ug/L		103	50 - 142	4	32
Methyl tert-butyl ether			10.0	11.0		ug/L		110	77 - 128	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-32654/5
Matrix: Water
Analysis Batch: 32654

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			08/05/21 21:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*68.7 - 141*		*08/05/21 21:41*	*1*

Lab Sample ID: LCS 590-32654/1004
Matrix: Water
Analysis Batch: 32654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	969		ug/L		97	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*68.7 - 141*

Lab Sample ID: LCSD 590-32654/1015
Matrix: Water
Analysis Batch: 32654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			1000	1090		ug/L		109	80 - 120	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*

Lab Sample ID: 590-15596-1 DU
Matrix: Water
Analysis Batch: 32654

Client Sample ID: MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline	ND			ND		ug/L				NC	35

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*68.7 - 141*

Lab Sample ID: MB 590-32686/1-A
Matrix: Solid
Analysis Batch: 32684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		08/09/21 12:16	08/09/21 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*41.5 - 162*	*08/09/21 12:16*	*08/09/21 12:26*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: LCS 590-32686/3-A
Matrix: Solid
Analysis Batch: 32684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32686

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			50.0	49.1		mg/Kg		98	74.4 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*41.5 - 162*

Lab Sample ID: 590-15596-6 DU
Matrix: Solid
Analysis Batch: 32684

Client Sample ID: MW-6D;12'
Prep Type: Total/NA
Prep Batch: 32686

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline	ND			ND		mg/Kg	☼			NC	32.3

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*41.5 - 162*

Lab Sample ID: MB 590-32721/6
Matrix: Water
Analysis Batch: 32721

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			08/11/21 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*08/11/21 12:11*	*1*

Lab Sample ID: LCS 590-32721/1005
Matrix: Water
Analysis Batch: 32721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	975		ug/L		97	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*68.7 - 141*

Lab Sample ID: LCSD 590-32721/1016
Matrix: Water
Analysis Batch: 32721

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			1000	960		ug/L		96	80 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 590-32687/2-A
Matrix: Water
Analysis Batch: 32691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		08/09/21 13:13	08/09/21 21:14	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0032	ug/L		08/09/21 13:13	08/09/21 21:14	1
1,2,3-Trichloropropane	ND		0.010	0.0050	ug/L		08/09/21 13:13	08/09/21 21:14	1

Lab Sample ID: LCS 590-32687/3-A
Matrix: Water
Analysis Batch: 32691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	0.125	0.104		ug/L		84	60 - 140
1,2-Dibromo-3-Chloropropane	0.125	0.120		ug/L		96	60 - 140
1,2,3-Trichloropropane	0.125	0.111		ug/L		89	60 - 140

Lab Sample ID: LCSD 590-32687/4-A
Matrix: Water
Analysis Batch: 32691

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32687

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	0.125	0.114		ug/L		91	60 - 140	9	20
1,2-Dibromo-3-Chloropropane	0.125	0.127		ug/L		102	60 - 140	6	20
1,2,3-Trichloropropane	0.125	0.119		ug/L		95	60 - 140	7	20

Lab Sample ID: MB 590-32690/3-A
Matrix: Solid
Analysis Batch: 32691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32690

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.080	0.035	ug/Kg		08/09/21 15:44	08/10/21 03:17	1
1,2-Dibromo-3-Chloropropane	ND		0.080	0.030	ug/Kg		08/09/21 15:44	08/10/21 03:17	1
1,2,3-Trichloropropane	ND		0.080	0.020	ug/Kg		08/09/21 15:44	08/10/21 03:17	1

Lab Sample ID: LCS 590-32690/4-A
Matrix: Solid
Analysis Batch: 32691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32690

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	1.00	0.949		ug/Kg		95	60 - 140
1,2-Dibromo-3-Chloropropane	1.00	1.03		ug/Kg		103	60 - 140
1,2,3-Trichloropropane	1.00	0.981		ug/Kg		98	60 - 140

Lab Sample ID: 590-15596-6 MS
Matrix: Solid
Analysis Batch: 32691

Client Sample ID: MW-6D;12'
Prep Type: Total/NA
Prep Batch: 32690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	ND	F1	1.26	0.684	F1	ug/Kg	☼	54	60 - 140
1,2-Dibromo-3-Chloropropane	ND	F1	1.26	0.878		ug/Kg	☼	70	60 - 140
1,2,3-Trichloropropane	ND	F1	1.26	0.834		ug/Kg	☼	66	60 - 140

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: 590-15596-6 MSD
Matrix: Solid
Analysis Batch: 32691

Client Sample ID: MW-6D;12'
Prep Type: Total/NA
Prep Batch: 32690

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	ND	F1	1.24	0.627	F1	ug/Kg	☼	51	60 - 140	9	20
1,2-Dibromo-3-Chloropropane	ND	F1	1.24	0.811		ug/Kg	☼	65	60 - 140	8	20
1,2,3-Trichloropropane	ND	F1	1.24	0.770		ug/Kg	☼	62	60 - 140	8	20

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-545588/1-A
Matrix: Solid
Analysis Batch: 546308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 545588

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		08/06/21 10:44	08/13/21 07:44	1
MCPP	ND		8000	2000	ug/Kg		08/06/21 10:44	08/13/21 07:44	1
2,4,5-T	ND		20	2.3	ug/Kg		08/06/21 10:44	08/13/21 07:44	1
2,4-D	ND		80	14	ug/Kg		08/06/21 10:44	08/13/21 07:44	1
2,4-DB	ND		80	7.5	ug/Kg		08/06/21 10:44	08/13/21 07:44	1
Dalapon	ND		40	3.3	ug/Kg		08/06/21 10:44	08/13/21 07:44	1
Dicamba	ND		40	1.4	ug/Kg		08/06/21 10:44	08/13/21 07:44	1
Dichlorprop	ND		80	3.2	ug/Kg		08/06/21 10:44	08/13/21 07:44	1
MCPA	ND		8000	2000	ug/Kg		08/06/21 10:44	08/13/21 07:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*85*		*31 - 105*	*08/06/21 10:44*	*08/13/21 07:44*	*1*

Lab Sample ID: LCS 280-545588/2-A
Matrix: Solid
Analysis Batch: 546308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 545588

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	100	89.7		ug/Kg		90	26 - 100
MCPP	10000	10100		ug/Kg		101	20 - 112
2,4,5-T	100	82.1		ug/Kg		82	22 - 102
2,4-D	100	79.6	J	ug/Kg		80	22 - 105
2,4-DB	100	57.6	J	ug/Kg		58	21 - 98
Dalapon	100	56.1		ug/Kg		56	25 - 102
Dicamba	100	82.9		ug/Kg		83	25 - 92
Dichlorprop	100	87.7		ug/Kg		88	24 - 98
MCPA	10000	8740		ug/Kg		87	15 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*84*		*31 - 105*

Lab Sample ID: LCSD 280-545588/3-A
Matrix: Solid
Analysis Batch: 546308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 545588

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	100	91.6		ug/Kg		92	26 - 100	2	40

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 280-545588/3-A
Matrix: Solid
Analysis Batch: 546308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 545588

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
MCPP	10000	10300		ug/Kg		103	20 - 112	2	50
2,4,5-T	100	83.7		ug/Kg		84	22 - 102	2	40
2,4-D	100	79.7	J	ug/Kg		80	22 - 105	0	40
2,4-DB	100	56.6	J	ug/Kg		57	21 - 98	2	50
Dalapon	100	64.0		ug/Kg		64	25 - 102	13	50
Dicamba	100	84.5		ug/Kg		85	25 - 92	2	50
Dichlorprop	100	89.5		ug/Kg		89	24 - 98	2	50
MCPA	10000	8880		ug/Kg		89	15 - 100	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*85*		*31 - 105*

Lab Sample ID: MB 280-545624/1-A
Matrix: Water
Analysis Batch: 545978

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 545624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		1.0	0.17	ug/L		08/06/21 12:53	08/11/21 03:37	1
MCPP	ND		400	33	ug/L		08/06/21 12:53	08/11/21 03:37	1
2,4,5-T	ND		1.0	0.46	ug/L		08/06/21 12:53	08/11/21 03:37	1
2,4-D	ND		4.0	0.53	ug/L		08/06/21 12:53	08/11/21 03:37	1
2,4-DB	ND		4.0	0.75	ug/L		08/06/21 12:53	08/11/21 03:37	1
Dalapon	ND		2.0	0.91	ug/L		08/06/21 12:53	08/11/21 03:37	1
Dicamba	ND		2.0	0.44	ug/L		08/06/21 12:53	08/11/21 03:37	1
Dichlorprop	ND		4.0	0.65	ug/L		08/06/21 12:53	08/11/21 03:37	1
Dinoseb	ND		1.0	0.45	ug/L		08/06/21 12:53	08/11/21 03:37	1
MCPA	ND		400	48	ug/L		08/06/21 12:53	08/11/21 03:37	1
Picloram	ND		0.50	0.24	ug/L		08/06/21 12:53	08/11/21 03:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*95*		*39 - 135*	*08/06/21 12:53*	*08/11/21 03:37*	*1*

Lab Sample ID: LCS 280-545624/2-A
Matrix: Water
Analysis Batch: 545978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 545624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	5.00	4.47		ug/L		89	48 - 123
MCPP	500	534		ug/L		107	33 - 131
2,4,5-T	5.00	4.03		ug/L		81	42 - 121
2,4-D	5.00	4.15		ug/L		83	41 - 124
2,4-DB	5.00	2.88	J	ug/L		58	35 - 117
Dalapon	5.00	2.58		ug/L		52	24 - 124
Dicamba	5.00	4.42		ug/L		88	44 - 114
Dichlorprop	5.00	4.56		ug/L		91	46 - 117
Dinoseb	5.00	2.95		ug/L		59	59 - 179
MCPA	500	450		ug/L		90	37 - 106
Picloram	5.00	3.13		ug/L		63	39 - 109

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 280-545624/2-A
Matrix: Water
Analysis Batch: 545978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 545624

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*93*		*39 - 135*

Lab Sample ID: LCSD 280-545624/3-A
Matrix: Water
Analysis Batch: 545978

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 545624

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)			5.00	4.09		ug/L		82	48 - 123	9	30
MCPP			500	440		ug/L		88	33 - 131	19	30
2,4,5-T			5.00	3.77		ug/L		75	42 - 121	7	30
2,4-D			5.00	3.78	J	ug/L		76	41 - 124	9	30
2,4-DB			5.00	2.62	J	ug/L		52	35 - 117	10	30
Dalapon			5.00	2.79		ug/L		56	24 - 124	8	30
Dicamba			5.00	3.96		ug/L		79	44 - 114	11	30
Dichlorprop			5.00	4.15		ug/L		83	46 - 117	9	30
Dinoseb			5.00	2.93		ug/L		59	59 - 179	1	30
MCPA			500	387	J	ug/L		77	37 - 106	15	30
Picloram			5.00	2.80		ug/L		56	39 - 109	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*83*		*39 - 135*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-32640/1-A
Matrix: Water
Analysis Batch: 32641

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		08/05/21 09:48	08/05/21 10:49	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		08/05/21 09:48	08/05/21 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*50 - 150*	*08/05/21 09:48*	*08/05/21 10:49*	*1*
n-Triacontane-d62	*109*		*50 - 150*	*08/05/21 09:48*	*08/05/21 10:49*	*1*

Lab Sample ID: LCS 590-32640/2-A
Matrix: Water
Analysis Batch: 32641

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32640

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO) (C10-C25)			1.60	1.24		mg/L		78	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.75		mg/L		109	50 - 150		

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-32640/2-A
Matrix: Water
Analysis Batch: 32641

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32640

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*111*		*50 - 150*
n-Triacontane-d62	*113*		*50 - 150*

Lab Sample ID: LCSD 590-32640/3-A
Matrix: Water
Analysis Batch: 32641

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32640

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.20		mg/L		75	50 - 150	3	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.68		mg/L		105	50 - 150	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*98*		*50 - 150*
n-Triacontane-d62	*104*		*50 - 150*

Lab Sample ID: MB 590-32657/1-A
Matrix: Solid
Analysis Batch: 32665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		08/06/21 09:29	08/06/21 12:42	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		08/06/21 09:29	08/06/21 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*08/06/21 09:29*	*08/06/21 12:42*	*1*
n-Triacontane-d62	*104*		*50 - 150*	*08/06/21 09:29*	*08/06/21 12:42*	*1*

Lab Sample ID: LCS 590-32657/2-A
Matrix: Solid
Analysis Batch: 32665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32657

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	60.3		mg/Kg		90	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	71.9		mg/Kg		108	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*97*		*50 - 150*
n-Triacontane-d62	*102*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-364534/23-A
Matrix: Solid
Analysis Batch: 364681

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 364534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.25	0.050	mg/Kg		08/09/21 17:07	08/10/21 14:09	5
Barium	ND		0.50	0.11	mg/Kg		08/09/21 17:07	08/10/21 14:09	5
Cadmium	ND		0.40	0.039	mg/Kg		08/09/21 17:07	08/10/21 14:09	5
Chromium	ND		0.50	0.032	mg/Kg		08/09/21 17:07	08/10/21 14:09	5
Lead	ND		0.25	0.024	mg/Kg		08/09/21 17:07	08/10/21 14:09	5
Selenium	ND		0.75	0.14	mg/Kg		08/09/21 17:07	08/10/21 14:09	5
Silver	ND		0.10	0.010	mg/Kg		08/09/21 17:07	08/10/21 14:09	5

Lab Sample ID: LCS 580-364534/24-A
Matrix: Solid
Analysis Batch: 364681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 364534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	52.6		mg/Kg		105	80 - 120
Barium	50.0	51.4		mg/Kg		103	80 - 120
Cadmium	50.0	51.1		mg/Kg		102	80 - 120
Chromium	50.0	52.6		mg/Kg		105	80 - 120
Lead	50.0	51.5		mg/Kg		103	80 - 120
Selenium	50.0	52.2		mg/Kg		104	80 - 120
Silver	50.0	51.8		mg/Kg		104	80 - 120

Lab Sample ID: LCSD 580-364534/25-A
Matrix: Solid
Analysis Batch: 364681

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 364534

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	50.0	52.5		mg/Kg		105	80 - 120	0	20
Barium	50.0	51.2		mg/Kg		102	80 - 120	0	20
Cadmium	50.0	51.0		mg/Kg		102	80 - 120	0	20
Chromium	50.0	52.5		mg/Kg		105	80 - 120	0	20
Lead	50.0	51.5		mg/Kg		103	80 - 120	0	20
Selenium	50.0	50.4		mg/Kg		101	80 - 120	3	20
Silver	50.0	51.3		mg/Kg		103	80 - 120	1	20

Lab Sample ID: MB 580-364199/22-A
Matrix: Water
Analysis Batch: 364432

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 364199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00020	mg/L		08/05/21 18:39	08/06/21 10:51	1
Barium	ND		0.0012	0.00021	mg/L		08/05/21 18:39	08/06/21 10:51	1
Cadmium	ND		0.00040	0.000037	mg/L		08/05/21 18:39	08/06/21 10:51	1
Chromium	ND		0.00080	0.00017	mg/L		08/05/21 18:39	08/06/21 10:51	1
Lead	ND		0.00040	0.000040	mg/L		08/05/21 18:39	08/06/21 10:51	1
Selenium	ND		0.0080	0.0021	mg/L		08/05/21 18:39	08/06/21 10:51	1
Silver	ND		0.00040	0.000025	mg/L		08/05/21 18:39	08/06/21 10:51	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-364199/23-A
Matrix: Water
Analysis Batch: 364432

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 364199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.03		mg/L		103	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Cadmium	1.00	1.02		mg/L		102	80 - 120
Chromium	1.00	1.03		mg/L		103	80 - 120
Lead	1.00	1.04		mg/L		104	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Silver	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LCSD 580-364199/24-A
Matrix: Water
Analysis Batch: 364432

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 364199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	1.03		mg/L		103	80 - 120	0	20
Barium	1.00	1.02		mg/L		102	80 - 120	2	20
Cadmium	1.00	1.03		mg/L		103	80 - 120	1	20
Chromium	1.00	1.04		mg/L		104	80 - 120	0	20
Lead	1.00	1.04		mg/L		104	80 - 120	0	20
Selenium	1.00	1.04		mg/L		104	80 - 120	0	20
Silver	1.00	1.04		mg/L		104	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 580-364276/18-A
Matrix: Water
Analysis Batch: 364333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 364276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		08/06/21 11:47	08/06/21 15:49	1

Lab Sample ID: LCS 580-364276/19-A
Matrix: Water
Analysis Batch: 364333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 364276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00173		mg/L		86	80 - 120

Lab Sample ID: LCSD 580-364276/20-A
Matrix: Water
Analysis Batch: 364333

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 364276

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00200	0.00185		mg/L		92	80 - 120	7	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-364979/19-A
Matrix: Solid
Analysis Batch: 365144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 364979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.018	0.0054	mg/Kg		08/13/21 11:37	08/13/21 13:50	1

Lab Sample ID: LCS 580-364979/20-A
Matrix: Solid
Analysis Batch: 365144

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 364979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.100	0.106		mg/Kg		106	80 - 120

Lab Sample ID: LCSD 580-364979/21-A
Matrix: Solid
Analysis Batch: 365144

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 364979

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.100	0.0990		mg/Kg		99	80 - 120	7	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-546483/20
Matrix: Water
Analysis Batch: 546483

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			08/14/21 10:55	1

Lab Sample ID: LCS 280-546483/18
Matrix: Water
Analysis Batch: 546483

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	2.50	2.44		mg/L		98	90 - 110

Lab Sample ID: LCSD 280-546483/19
Matrix: Water
Analysis Batch: 546483

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	2.50	2.45		mg/L		98	90 - 110	1	10

Lab Sample ID: MB 580-364758/1-B
Matrix: Solid
Analysis Batch: 365053

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 364930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		25	8.8	mg/Kg		08/12/21 19:46	08/13/21 19:21	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 580-364758/2-B
Matrix: Solid
Analysis Batch: 365053

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 364930

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia as N			50.0	46.0		mg/Kg		92	90 - 110		

Lab Sample ID: 590-15596-7 MS
Matrix: Solid
Analysis Batch: 365053

Client Sample ID: MW-6D;10'
Prep Type: Soluble
Prep Batch: 364930

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia as N	ND	F1	67.6	39.6	F1	mg/Kg	☼	59	90 - 110		

Lab Sample ID: 590-15596-7 MSD
Matrix: Solid
Analysis Batch: 365053

Client Sample ID: MW-6D;10'
Prep Type: Soluble
Prep Batch: 364930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	ND	F1	67.2	42.7	F1	mg/Kg	☼	64	90 - 110	8	20

Lab Sample ID: 590-15596-7 DU
Matrix: Solid
Analysis Batch: 365053

Client Sample ID: MW-6D;10'
Prep Type: Soluble
Prep Batch: 364930

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	ND	F1	ND		mg/Kg	☼	NC	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-546266/22
Matrix: Water
Analysis Batch: 546266

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.019	mg/L			08/12/21 10:38	1

Lab Sample ID: LCS 280-546266/21
Matrix: Water
Analysis Batch: 546266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N			5.00	5.00		mg/L		100	90 - 110		

Lab Sample ID: MB 280-545831/2-A
Matrix: Solid
Analysis Batch: 545876

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.327	J	0.98	0.088	mg/Kg			08/09/21 15:26	1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 280-545831/1-A
Matrix: Solid
Analysis Batch: 545876

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N			49.7	50.0		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 280-545831/10-A
Matrix: Solid
Analysis Batch: 545876

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N			50.0	50.5		mg/Kg		101	90 - 110	1	10

Lab Sample ID: 590-15596-6 MS
Matrix: Solid
Analysis Batch: 545876

Client Sample ID: MW-6D;12'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N	15	B	52.5	64.9		mg/Kg	☼	94	90 - 110		

Lab Sample ID: 590-15596-6 MSD
Matrix: Solid
Analysis Batch: 545876

Client Sample ID: MW-6D;12'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	15	B	51.5	68.4		mg/Kg	☼	103	90 - 110	5	10

Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D
Date Collected: 07/29/21 09:30
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32655	08/05/21 22:02	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32654	08/05/21 22:02	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32687	08/09/21 13:13	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 01:54	NMI	TAL SPK
Total/NA	Prep	8151A			1013.7 mL	10 mL	545624	08/06/21 12:53	CDH	TAL DEN
Total/NA	Analysis	8151A		1			545978	08/11/21 05:05	MB	TAL DEN
Total/NA	Prep	3510C			244.9 mL	2 mL	32640	08/05/21 09:48	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32641	08/05/21 16:41	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	364199	08/05/21 18:39	TMH	FGS SEA
Total Recoverable	Analysis	6020B		5	50 mL	50 mL	364432	08/06/21 11:58	FCW	FGS SEA
Total/NA	Prep	7470A			50 mL	50 mL	364276	08/06/21 11:46	C1K	FGS SEA
Total/NA	Analysis	7470A		1			364333	08/06/21 17:06	C1K	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	546483	08/14/21 11:03	RKD	TAL DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	546266	08/12/21 10:48	ZPM	TAL DEN

Client Sample ID: MW-7D
Date Collected: 07/29/21 12:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32655	08/05/21 22:43	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32654	08/05/21 22:43	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32687	08/09/21 13:13	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 02:11	NMI	TAL SPK
Total/NA	Prep	8151A			1024.6 mL	10 mL	545624	08/06/21 12:53	CDH	TAL DEN
Total/NA	Analysis	8151A		1			545978	08/11/21 05:27	MB	TAL DEN
Total/NA	Prep	3510C			213.5 mL	2 mL	32640	08/05/21 09:48	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32641	08/05/21 17:02	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	364199	08/05/21 18:39	TMH	FGS SEA
Total Recoverable	Analysis	6020B		5	50 mL	50 mL	364432	08/06/21 11:55	FCW	FGS SEA
Total/NA	Prep	7470A			50 mL	50 mL	364276	08/06/21 11:46	C1K	FGS SEA
Total/NA	Analysis	7470A		1			364333	08/06/21 17:08	C1K	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	546483	08/14/21 11:05	RKD	TAL DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	546266	08/12/21 10:50	ZPM	TAL DEN

Client Sample ID: MW-7D DUP
Date Collected: 07/29/21 12:00
Date Received: 08/03/21 11:45

Lab Sample ID: 590-15596-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32655	08/05/21 23:04	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32654	08/05/21 23:04	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32687	08/09/21 13:13	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 02:27	NMI	TAL SPK

Lab Chronicle

Client: HDR Inc
Job ID: 590-15596-1
Project/Site: Sunnyside, Washington

Client Sample ID: MW-7D DUP
Lab Sample ID: 590-15596-3
Date Collected: 07/29/21 12:00
Matrix: Water
Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			1008.9 mL	10 mL	545624	08/06/21 12:53	CDH	TAL DEN
Total/NA	Analysis	8151A		1			545978	08/11/21 05:49	MB	TAL DEN
Total/NA	Prep	3510C			183.8 mL	2 mL	32640	08/05/21 09:48	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32641	08/05/21 17:23	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	364199	08/05/21 18:39	TMH	FGS SEA
Total Recoverable	Analysis	6020B		5	50 mL	50 mL	364432	08/06/21 12:06	FCW	FGS SEA
Total/NA	Prep	7470A			50 mL	50 mL	364276	08/06/21 11:46	C1K	FGS SEA
Total/NA	Analysis	7470A		1			364333	08/06/21 17:11	C1K	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	546483	08/14/21 11:07	RKD	TAL DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	546266	08/12/21 10:52	ZPM	TAL DEN

Client Sample ID: Trip Blank
Lab Sample ID: 590-15596-5
Date Collected: 07/29/21 12:01
Matrix: Water
Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32722	08/11/21 14:18	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32721	08/11/21 14:18	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32687	08/09/21 13:13	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 02:44	NMI	TAL SPK

Client Sample ID: MW-6D;12'
Lab Sample ID: 590-15596-6
Date Collected: 07/30/21 11:30
Matrix: Solid
Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			32658	08/06/21 10:05	KBZ	TAL SPK

Client Sample ID: MW-6D;12'
Lab Sample ID: 590-15596-6
Date Collected: 07/30/21 11:30
Matrix: Solid
Date Received: 08/03/21 11:45
Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.236 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 13:28	JSP	TAL SPK
Total/NA	Prep	5035			6.236 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 13:28	JSP	TAL SPK
Total/NA	Prep	8011			10.13 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 04:39	NMI	TAL SPK
Total/NA	Prep	8151A			51.1 g	10 mL	545588	08/06/21 10:44	DB	TAL DEN
Total/NA	Analysis	8151A		2			546308	08/13/21 08:51	MB	TAL DEN
Total/NA	Prep	3550C			15.11 g	5 mL	32657	08/06/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32665	08/06/21 15:31	NMI	TAL SPK
Total/NA	Prep	3050B			1.5345 g	50 mL	364534	08/09/21 17:07	TMH	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	364681	08/10/21 16:12	FCW	FGS SEA

Client Sample ID: MW-6D;12'

Lab Sample ID: 590-15596-6
Date Collected: 07/30/21 11:30
Matrix: Solid
Date Received: 08/03/21 11:45
Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8165 g	50 mL	364979	08/13/21 11:35	C1K	FGS SEA
Total/NA	Analysis	7471A		1			365144	08/13/21 14:21	C1K	FGS SEA
Soluble	Leach	DI Leach			10.0140 g	250 mL	364758	08/11/21 14:50	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			50 mL	50 mL	364930	08/12/21 19:46	MLT	FGS SEA
Soluble	Analysis	350.1		1	50 mL	50 mL	365053	08/13/21 19:21	MLT	FGS SEA
Soluble	Leach	DI Leach			10.02 g	100 mL	545831	08/09/21 09:53	ZPM	TAL DEN
Soluble	Analysis	353.2		1	100 mL	100 mL	545876	08/09/21 15:28	ZPM	TAL DEN

Client Sample ID: MW-6D;10'

Lab Sample ID: 590-15596-7
Date Collected: 07/30/21 11:30
Matrix: Solid
Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			32658	08/06/21 10:05	KBZ	TAL SPK

Client Sample ID: MW-6D;10'

Lab Sample ID: 590-15596-7
Date Collected: 07/30/21 11:30
Matrix: Solid
Date Received: 08/03/21 11:45
Percent Solids: 73.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.995 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 14:10	JSP	TAL SPK
Total/NA	Prep	5035			8.995 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 14:10	JSP	TAL SPK
Total/NA	Prep	8011			10.17 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 05:28	NMI	TAL SPK
Total/NA	Prep	8151A			50.7 g	10 mL	545588	08/06/21 10:44	DB	TAL DEN
Total/NA	Analysis	8151A		1			546308	08/13/21 09:13	MB	TAL DEN
Total/NA	Prep	3550C			15.18 g	5 mL	32657	08/06/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32665	08/06/21 15:53	NMI	TAL SPK
Total/NA	Prep	3050B			2.0305 g	50 mL	364534	08/09/21 17:07	TMH	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	364681	08/10/21 15:16	FCW	FGS SEA
Total/NA	Prep	7471A			0.7950 g	50 mL	364979	08/13/21 11:35	C1K	FGS SEA
Total/NA	Analysis	7471A		1			365144	08/13/21 14:23	C1K	FGS SEA
Soluble	Leach	DI Leach			10.0807 g	250 mL	364758	08/11/21 14:50	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			50 mL	50 mL	364930	08/12/21 19:46	MLT	FGS SEA
Soluble	Analysis	350.1		1	50 mL	50 mL	365053	08/13/21 19:21	MLT	FGS SEA
Soluble	Leach	DI Leach			10.33 g	100 mL	545831	08/09/21 09:53	ZPM	TAL DEN
Soluble	Analysis	353.2		1	100 mL	100 mL	545876	08/09/21 15:46	ZPM	TAL DEN

Client Sample ID: MW-7D;12'
Lab Sample ID: 590-15596-8
Date Collected: 07/30/21 15:00
Matrix: Solid
Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			32658	08/06/21 10:05	KBZ	TAL SPK

Client Sample ID: MW-7D;12'
Lab Sample ID: 590-15596-8
Date Collected: 07/30/21 15:00
Matrix: Solid
Date Received: 08/03/21 11:45
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			13.226 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 15:13	JSP	TAL SPK
Total/NA	Prep	5035			13.226 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 15:13	JSP	TAL SPK
Total/NA	Prep	8011			10.16 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 05:45	NMI	TAL SPK
Total/NA	Prep	8151A			52.2 g	10 mL	545588	08/06/21 10:44	DB	TAL DEN
Total/NA	Analysis	8151A		1			546308	08/13/21 09:35	MB	TAL DEN
Total/NA	Prep	3550C			15.10 g	5 mL	32657	08/06/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32665	08/06/21 16:15	NMI	TAL SPK
Total/NA	Prep	3050B			1.9043 g	50 mL	364534	08/09/21 17:07	TMH	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	364681	08/10/21 15:20	FCW	FGS SEA
Total/NA	Prep	7471A			0.8905 g	50 mL	364979	08/13/21 11:35	C1K	FGS SEA
Total/NA	Analysis	7471A		1			365144	08/13/21 14:26	C1K	FGS SEA
Soluble	Leach	DI Leach			10.0559 g	250 mL	364758	08/11/21 14:50	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			50 mL	50 mL	364930	08/12/21 19:46	MLT	FGS SEA
Soluble	Analysis	350.1		1	50 mL	50 mL	365053	08/13/21 19:21	MLT	FGS SEA
Soluble	Leach	DI Leach			10.23 g	100 mL	545831	08/09/21 09:53	ZPM	TAL DEN
Soluble	Analysis	353.2		1	100 mL	100 mL	545876	08/09/21 15:48	ZPM	TAL DEN

Client Sample ID: MW-7D;8'
Lab Sample ID: 590-15596-9
Date Collected: 07/30/21 15:00
Matrix: Solid
Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			32658	08/06/21 10:05	KBZ	TAL SPK

Client Sample ID: MW-7D;8'
Lab Sample ID: 590-15596-9
Date Collected: 07/30/21 15:00
Matrix: Solid
Date Received: 08/03/21 11:45
Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.937 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 15:55	JSP	TAL SPK
Total/NA	Prep	5035			10.937 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 15:55	JSP	TAL SPK
Total/NA	Prep	8011			10.56 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 06:18	NMI	TAL SPK

Lab Chronicle

Client: HDR Inc
Job ID: 590-15596-1
Project/Site: Sunnyside, Washington

Client Sample ID: MW-7D;8'
Lab Sample ID: 590-15596-9
Date Collected: 07/30/21 15:00
Matrix: Solid
Date Received: 08/03/21 11:45
Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.2 g	10 mL	545588	08/06/21 10:44	DB	TAL DEN
Total/NA	Analysis	8151A		2			546308	08/13/21 09:57	MB	TAL DEN
Total/NA	Prep	3550C			15.06 g	5 mL	32657	08/06/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32665	08/06/21 16:36	NMI	TAL SPK
Total/NA	Prep	3050B			1.2332 g	50 mL	364534	08/09/21 17:07	TMH	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	364681	08/10/21 15:28	FCW	FGS SEA
Total/NA	Prep	7471A			0.9732 g	50 mL	364979	08/13/21 11:35	C1K	FGS SEA
Total/NA	Analysis	7471A		1			365144	08/13/21 14:28	C1K	FGS SEA
Soluble	Leach	DI Leach			10.0662 g	250 mL	364758	08/11/21 14:50	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			50 mL	50 mL	364930	08/12/21 19:46	MLT	FGS SEA
Soluble	Analysis	350.1		1	50 mL	50 mL	365053	08/13/21 19:21	MLT	FGS SEA
Soluble	Leach	DI Leach			10.21 g	100 mL	545831	08/09/21 09:53	ZPM	TAL DEN
Soluble	Analysis	353.2		1	100 mL	100 mL	545876	08/09/21 15:50	ZPM	TAL DEN

Client Sample ID: Trip Blank
Lab Sample ID: 590-15596-10
Date Collected: 07/30/21 12:01
Matrix: Solid
Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 16:16	JSP	TAL SPK
Total/NA	Prep	5035			10 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 16:16	JSP	TAL SPK
Total/NA	Prep	8011			10 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 06:34	NMI	TAL SPK

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 590-15596-1
Project/Site: Sunnyside, Washington

Laboratory: Eurofins TestAmerica, Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8011	8011	Solid	1,2,3-Trichloropropane
8011	8011	Water	1,2,3-Trichloropropane
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NWTPH-Dx	3510C	Water	Residual Range Organics (RRO) (C25-C36)
NWTPH-Dx	3550C	Solid	Residual Range Organics (RRO) (C25-C36)

Laboratory: Eurofins FGS, Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-22

Laboratory: Eurofins TestAmerica, Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C583-19	08-03-22

Method Summary

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL SPK
8151A	Herbicides (GC)	SW846	TAL DEN
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6020B	Metals (ICP/MS)	SW846	FGS SEA
7470A	Mercury (CVAA)	SW846	FGS SEA
7471A	Mercury (CVAA)	SW846	FGS SEA
350.1	Nitrogen, Ammonia	MCAWW	FGS SEA
350.1	Nitrogen, Ammonia	MCAWW	TAL DEN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL DEN
Moisture	Percent Moisture	EPA	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	FGS SEA
3050B	Preparation, Metals	SW846	FGS SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK
3550C	Ultrasonic Extraction	SW846	TAL SPK
5030C	Purge and Trap	SW846	TAL SPK
5035	Closed System Purge and Trap	SW846	TAL SPK
7470A	Preparation, Mercury	SW846	FGS SEA
7471A	Preparation, Mercury	SW846	FGS SEA
8011	Microextraction	SW846	TAL SPK
8151A	Extraction (Herbicides)	SW846	TAL DEN
DI Leach	Deionized Water Leaching Procedure	ASTM	FGS SEA
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL DEN
Distill/Ammonia	Distillation, Ammonia	None	FGS SEA

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
None = None
NWTPH = Northwest Total Petroleum Hydrocarbon
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310
TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: B. Duarte	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-6715-1985.1
Client Contact: Brittany Duarte	Phone: 603-508-1409	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: HDR Inc	PWSID:			Job #:
Address: 4401 West Gate Blvd Ste 400	Due Date Requested:			
City: Austin	TAT Requested (days):			
State, Zip: TX, 78745	Compliance Project: Δ Yes Δ No			
Phone: 512-912-5169(Tel)	PO #: Purchase Order Requested			
Email: brittany.duarte@hdrinc.com	WO #:			
Project Name: Sunnyside, Washington	Project #: 59002213			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D standard list, NWTP-Gx - GRO	8011 - EDB	8151A - Herbicide	6020B, 7470A - RCRA 8 Metals	350.1 - Ammonia, 353.2 - Nitrate + Nitrite	NWTPH-Dx - Diesel Range Organics	8260D standard list, NWTPH-Gx - GRO	8011 - EDB	NWTPH-Dx - DRO	353.2 - Nitrate & Nitrite	350.1 - Ammonia	8151A - Herbicides	6020B, 7471A - RCRA 8 Metals	Total Number of containers
			Preservation Code:				A	N	N	D	S	A	F	N	N	N	N	N	N	
MW-6D	7/29/21	0930	Grab	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-7D	7/29/21	1200		Water																
MW-7D DUP	7/29/21	1200		Water																
MW-7D RB	7/29/21	1200		Water																
Trip Blank				Water																
MW-6D; 12'	7/30/21	1130		Solid																
MW-6D; 10'	7/30/21	1130		Solid																
MW-7D; 12'	7/30/21	1500		Solid																
MW-7D; 8'	7/30/21	1500		Solid																70 bottles total
Trip Blank				Solid																
			↓	Solid																

590-15596 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Brittany Duarte	7/30/21 1645	HDR		7/30/21 1645	GTOS
2	Tom Blankenship	8/2/21 1100			8/3/21 10:20	EFASP
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1652726

Cooler Temperature(s) °C and Other Remarks: -.2 C / +.1 C

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-6191.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Washington		Job #: 590-15596-1
Address: 4955 Yarrow Street,	Due Date Requested: 8/16/2021			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: Sunnyside, Washington	Project #: 59002213			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP (MOD) Herbicide (Aqueous)	353.2_Pres	350.1	8151A/8151A_SP Herbicide (Solid)	353.2_Pres/DI_LEACH	590-15596 Chain of Custody	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-6D (590-15596-1)	7/29/21	09:30 Pacific		Water			X	X	X				2	
MW-7D (590-15596-2)	7/29/21	12:00 Pacific		Water			X	X	X				2	
MW-7D DUP (590-15596-3)	7/29/21	12:00 Pacific		Water			X	X	X				2	
MW-6D;12' (590-15596-6)	7/30/21	11:30 Pacific		Solid						X	X		1	
MW-6D;10' (590-15596-7)	7/30/21	11:30 Pacific		Solid						X	X		1	
MW-7D;12' (590-15596-8)	7/30/21	15:00 Pacific		Solid						X	X		1	
MW-7D;8' (590-15596-9)	7/30/21	15:00 Pacific		Solid						X	X		1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:				8/5/21 920	ETAS/PGN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.2 IR11 CF +0.6

Ver: 06/08/2021

8/16/2021

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 580-93797.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Washington		Job #: 590-15596-1
Address: 4955 Yarrow Street,	Due Date Requested: 8/16/2021			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: Sunnyside, Washington	Project #: 59002213			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP (MOD) Herbicide (Aqueous)	353.2_Pres	350.1	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-6D (590-15596-1)	7/29/21	09:30 Pacific		Water			X	X	X	1	
MW-7D (590-15596-2)	7/29/21	12:00 Pacific		Water			X	X	X	1	
MW-7D DUP (590-15596-3)	7/29/21	12:00 Pacific		Water			X	X	X	1	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Note: Since laboratory accreditations are subject to change, Eurofins Frontier Global Sciences LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Frontier Global Sciences LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Frontier Global Sciences LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Frontier Global Sciences LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 8/12/21 1540	Company EFGS	Received by:	Date/Time: 8/13/21 0930	Company ETADEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ✓ Yes △ No	Custody Seal No.: 1653063	Cooler Temperature(s) °C and Other Remarks: 1.2 CF +0.6 IR#1

Ver: 06/08/2021

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-6192.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Frontier Global Sciences LLC		Accreditations Required (See note): State - Washington		Job #: 590-15596-1
Address: 5755 8th Street East,	Due Date Requested: 8/16/2021			
City: Tacoma	TAT Requested (days):			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel) 425-420-9210(Fax)	PO #:			
Email:	WO #:			
Project Name: Sunnyside, Washington	Project #: 59002213			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A RCRA 8 Metals w/o Mercury	7470A/7470A_Prep Mercury	350.1/DI_LEACH	6020B/3050B RCRA 8 Metals w/o Mercury	7471A/7471A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
MW-6D (590-15596-1)	7/29/21	09:30 Pacific		Water			X	X				2	
MW-7D (590-15596-2)	7/29/21	12:00 Pacific		Water			X	X				2	
MW-7D DUP (590-15596-3)	7/29/21	12:00 Pacific		Water			X	X				2	
MW-6D;12' (590-15596-6)	7/30/21	11:30 Pacific		Solid					X	X	X	1	
MW-6D;10' (590-15596-7)	7/30/21	11:30 Pacific		Solid					X	X	X	1	
MW-7D;12' (590-15596-8)	7/30/21	15:00 Pacific		Solid					X	X	X	1	
MW-7D;8' (590-15596-9)	7/30/21	15:00 Pacific		Solid					X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/14/21 15:30	EFASO	[signature]	8/15/21 0920	EFGS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR8 3.6/3.8

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15596-1

Login Number: 15596
List Number: 1
Creator: Hayes, Sarah S

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15596-1

Login Number: 15596
List Number: 2
Creator: Blankinship, Tom X

List Source: Eurofins FGS, Seattle
List Creation: 08/05/21 11:45 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	False	Preservation labels on samples match COC
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15596-1

Login Number: 15596
List Number: 3
Creator: Lee, Jerry

List Source: Eurofins TestAmerica, Denver
List Creation: 08/05/21 02:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	COC not relinquished.
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Groundwater Monitoring (September 2021)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-15906-1
Client Project/Site: Sunnyside, Washington/10302086

For:
HDR Inc
412 E. Parkcenter Blvd.
Suite 100
Boise, Idaho 83706-6659

Attn: Katie Krajicek

Authorized for release by:
9/30/2021 9:57:35 AM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@Eurofinset.com

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Case Narrative

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt
The samples were received on 9/16/2021 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2º C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 590-33220 recovered above the upper control limit for 1,2-Dichloroethane, Chlorobromomethane, and 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 590-33220 recovered outside control limits for the following analytes: 1,2-Dichloroethane. These analytes were biased high in the LCSD and were either not detected in the associated samples or detected below the reporting limit; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) analyzed in analytical batch 590-33220 was outside the method criteria for the following analyte: Dichlorodifluoromethane. The sample could not be re-analyzed due to insuficient volume.

Trip Blank (590-15906-7)

Method 8260D: The laboratory control sample (LCS) for analytical batch 590-33282 recovered outside control limits for the following analytes: Chloromethane and Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: For calibration 5217. the following samples failed high: Acetone, Butadiene, Chloromethane, Dichlorodiflouromethane, and Vinyl chloride. The samples associated with this failure were non-detects for the affected analytes; therefore, the data have been reported.

(ICV 590-33282/18)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8151A: The laboratory control sample (LCS) for preparation batch 280-550538 and analytical batch 280-551385 recovered outside control limits for the following analytes: Dinoseb. The recoveries in the LCS were 47% on the front column and 55% on the back column. The recoveries in the LCSD were 54% on the front column and 59% on the back column. The %R limits for Dinoseb is 59-179%. The sample is past 2X hold therefore data have been reported.

Method 8151A: The initial calibration verification (ICV) result for batch 280-551385 was below the lower control limit for 2,4,5-T on the confirmation (back) column. Sample results were reported from the in control primary column. The associated samples are affected: MW-6D-20210914 (590-15906-1), MW-7D-20210914 (590-15906-2), MW-4-20210914 (590-15906-3), MW-5R-20210914 (590-15906-4), MW-3R-20210914 (590-15906-5) and Rinsate (590-15906-6).

Method 8151A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 280-550538 and analytical batch 280-551385 was outside control limits. Sample matrix interference is suspected. The associated samples are impacted: MW-6D-20210914 (590-15906-1), MW-7D-20210914 (590-15906-2), MW-4-20210914 (590-15906-3), MW-5R-20210914 (590-15906-4), MW-3R-20210914 (590-15906-5) and Rinsate (590-15906-6)

Method 8151A: The %RPD between the primary and confirmation column exceeded 40% for MCPP for the following sample: MW-4-20210914 (590-15906-3). The lower value has been reported and qualified in accordance with the laboratory's SOP.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 590-15906-1 (Continued)

Laboratory: Eurofins TestAmerica, Spokane (Continued)

General Chemistry
Method 353.2: The method blank for analytical batch 280-550443 contained Nitrate Nitrite as N above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 8151A: Due to the high density of the sample matrix (>1.0 g/mL), the initial volumes used for the following samples deviated from the standard procedure: MW-6D-20210914 (590-15906-1), MW-7D-20210914 (590-15906-2) and MW-3R-20210914 (590-15906-5). The reporting limits (RLs) have been adjusted proportionately. preparation batch 280-550538 Method: 8151A_AP/8151A

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-15906-1	MW-6D-20210914	Water	09/14/21 10:21	09/16/21 11:30
590-15906-2	MW-7D-20210914	Water	09/14/21 12:07	09/16/21 11:30
590-15906-3	MW-4-20210914	Water	09/14/21 14:04	09/16/21 11:30
590-15906-4	MW-5R-20210914	Water	09/14/21 15:04	09/16/21 11:30
590-15906-5	MW-3R-20210914	Water	09/14/21 16:13	09/16/21 11:30
590-15906-6	Rinsate	Water	09/14/21 12:28	09/16/21 11:30
590-15906-7	Trip Blank	Water	09/14/21 08:00	09/16/21 11:30

Definitions/Glossary

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-6D-20210914
Date Collected: 09/14/21 10:21
Date Received: 09/16/21 11:30

Lab Sample ID: 590-15906-1
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 19:49	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 14:02	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 14:02	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 14:02	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 14:02	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 14:02	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 14:02	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 14:02	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 14:02	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 14:02	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 14:02	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 14:02	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 14:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 14:02	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 14:02	1
1,2-Dichloroethane	ND	*+	1.0	0.31	ug/L			09/22/21 14:02	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 14:02	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 14:02	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 14:02	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 14:02	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 14:02	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 14:02	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 14:02	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 14:02	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 14:02	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 14:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 14:02	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 14:02	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 14:02	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 14:02	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 14:02	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 14:02	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 14:02	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 14:02	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 14:02	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 14:02	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 14:02	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 14:02	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 14:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 14:02	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 14:02	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 14:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 14:02	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 14:02	1

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-6D-20210914

Date Collected: 09/14/21 10:21
Date Received: 09/16/21 11:30

Lab Sample ID: 590-15906-1

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 14:02	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 14:02	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 14:02	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 14:02	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 14:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 14:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 14:02	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 14:02	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 14:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/22/21 14:02*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/27/21 19:49*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*09/22/21 14:02*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*09/27/21 19:49*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*09/22/21 14:02*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/27/21 19:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*80 - 120*		*09/22/21 14:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*09/27/21 19:49*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*09/22/21 14:02*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 14:10	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 11:01	1
MCPP	ND		380	31	ug/L		09/21/21 13:12	09/29/21 11:01	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:01	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 11:01	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 11:01	1
Dalapon	ND		1.9	0.86	ug/L		09/21/21 13:12	09/29/21 11:01	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 11:01	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 11:01	1
Dinoseb	ND	*-	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:01	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 11:01	1
Picloram	ND		0.48	0.23	ug/L		09/21/21 13:12	09/29/21 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*70*		*39 - 135*	*09/21/21 13:12*	*09/29/21 11:01*	*1*

Client Sample ID: MW-6D-20210914

Lab Sample ID: 590-15906-1

Date Collected: 09/14/21 10:21

Matrix: Water

Date Received: 09/16/21 11:30

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		09/20/21 14:41	09/21/21 02:59	1
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		09/20/21 14:41	09/21/21 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*09/20/21 14:41*	*09/21/21 02:59*	*1*
n-Triacontane-d62	*85*		*50 - 150*	*09/20/21 14:41*	*09/21/21 02:59*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0035**	**J**	0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 00:47	5
Barium	**0.078**		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 00:47	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 00:47	5
Chromium	**0.0023**	**J**	0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 00:47	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 00:47	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 00:47	5
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 00:47	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:11	1
Nitrate Nitrite as N	**2.9**	**B**	0.10	0.019	mg/L			09/20/21 12:20	1

Client Sample ID: MW-7D-20210914

Lab Sample ID: 590-15906-2

Date Collected: 09/14/21 12:07

Matrix: Water

Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 20:11	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 14:23	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 14:23	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 14:23	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 14:23	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 14:23	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 14:23	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 14:23	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 14:23	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 14:23	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 14:23	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 14:23	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 14:23	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 14:23	1

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-7D-20210914
Date Collected: 09/14/21 12:07
Date Received: 09/16/21 11:30

Lab Sample ID: 590-15906-2
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			09/22/21 14:23	1
1,2-Dichloroethane	ND	*+	1.0	0.31	ug/L			09/22/21 14:23	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 14:23	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 14:23	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 14:23	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 14:23	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 14:23	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 14:23	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 14:23	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 14:23	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 14:23	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 14:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 14:23	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 14:23	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 14:23	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 14:23	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 14:23	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 14:23	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 14:23	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 14:23	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 14:23	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 14:23	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 14:23	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 14:23	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 14:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 14:23	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 14:23	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 14:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 14:23	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 14:23	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 14:23	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 14:23	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 14:23	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 14:23	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 14:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 14:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 14:23	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 14:23	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 14:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/22/21 14:23*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/27/21 20:11*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*09/22/21 14:23*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*09/27/21 20:11*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*09/22/21 14:23*	*1*

Client Sample ID: MW-7D-20210914
Lab Sample ID: 590-15906-2
Date Collected: 09/14/21 12:07
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/27/21 20:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*09/22/21 14:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/27/21 20:11*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*		*09/22/21 14:23*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 14:26	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 11:23	1
MCPP	ND		380	31	ug/L		09/21/21 13:12	09/29/21 11:23	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:23	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 11:23	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 11:23	1
Dalapon	ND		1.9	0.86	ug/L		09/21/21 13:12	09/29/21 11:23	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 11:23	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 11:23	1
Dinoseb	ND	*-	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:23	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 11:23	1
Picloram	ND		0.47	0.23	ug/L		09/21/21 13:12	09/29/21 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*80*		*39 - 135*	*09/21/21 13:12*	*09/29/21 11:23*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		09/20/21 14:41	09/21/21 03:20	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*96*		*50 - 150*	*09/20/21 14:41*	*09/21/21 03:20*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*09/20/21 14:41*	*09/21/21 03:20*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0044**	**J**	0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 00:51	5
Barium	**0.048**		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 00:51	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 00:51	5
Chromium	**0.0027**	**J**	0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 00:51	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 00:51	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 00:51	5

Client Sample ID: MW-7D-20210914
Lab Sample ID: 590-15906-2
Date Collected: 09/14/21 12:07
Matrix: Water
Date Received: 09/16/21 11:30

Method: 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 00:51	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:13	1
Nitrate Nitrite as N	**2.4**	**B**	0.10	0.019	mg/L			09/20/21 12:22	1

Client Sample ID: MW-4-20210914
Lab Sample ID: 590-15906-3
Date Collected: 09/14/21 14:04
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 20:32	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 14:44	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 14:44	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 14:44	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 14:44	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 14:44	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:44	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 14:44	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:44	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 14:44	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 14:44	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 14:44	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 14:44	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 14:44	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 14:44	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 14:44	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 14:44	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 14:44	1
1,2-Dichloroethane	ND	*+	1.0	0.31	ug/L			09/22/21 14:44	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:44	1
1,2-Dichloropropane	**42**		1.0	0.23	ug/L			09/22/21 14:44	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 14:44	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 14:44	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 14:44	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 14:44	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 14:44	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 14:44	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 14:44	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 14:44	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 14:44	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 14:44	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 14:44	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:44	1

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Client Sample ID: MW-4-20210914
Lab Sample ID: 590-15906-3
Date Collected: 09/14/21 14:04
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 14:44	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 14:44	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 14:44	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 14:44	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 14:44	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 14:44	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 14:44	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 14:44	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 14:44	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 14:44	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 14:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 14:44	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 14:44	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 14:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 14:44	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 14:44	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 14:44	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 14:44	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 14:44	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:44	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 14:44	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 14:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 14:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 14:44	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 14:44	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 14:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/22/21 14:44*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/27/21 20:32*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*09/22/21 14:44*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*09/27/21 20:32*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*09/22/21 14:44*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*09/27/21 20:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*09/22/21 14:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/27/21 20:32*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*09/22/21 14:44*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 14:42	1

Client Sample ID: MW-4-20210914
Lab Sample ID: 590-15906-3
Date Collected: 09/14/21 14:04
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 11:46	1
MCPP	**58**	**J**	380	31	ug/L		09/21/21 13:12	09/29/21 11:46	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:46	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 11:46	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 11:46	1
Dalapon	ND		1.9	0.87	ug/L		09/21/21 13:12	09/29/21 11:46	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 11:46	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 11:46	1
Dinoseb	ND	*-	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:46	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 11:46	1
Picloram	ND		0.48	0.23	ug/L		09/21/21 13:12	09/29/21 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*39 - 135*	*09/21/21 13:12*	*09/29/21 11:46*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		09/20/21 14:41	09/21/21 04:01	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*50 - 150*	*09/20/21 14:41*	*09/21/21 04:01*	*1*
n-Triacontane-d62	*93*		*50 - 150*	*09/20/21 14:41*	*09/21/21 04:01*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.030**		0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 00:55	5
Barium	**0.043**		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 00:55	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 00:55	5
Chromium	ND		0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 00:55	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 00:55	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 00:55	5
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 00:55	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:15	1
Nitrate Nitrite as N	**20**	**B**	1.0	0.19	mg/L			09/20/21 12:24	10

Client Sample ID: MW-5R-20210914
Lab Sample ID: 590-15906-4
Date Collected: 09/14/21 15:04
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 20:54	1

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-5R-20210914
Date Collected: 09/14/21 15:04
Date Received: 09/16/21 11:30

Lab Sample ID: 590-15906-4
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 15:05	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 15:05	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 15:05	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 15:05	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 15:05	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 15:05	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 15:05	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 15:05	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 15:05	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 15:05	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 15:05	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 15:05	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 15:05	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 15:05	1
1,2-Dichloroethane	**2.4**		1.0	0.31	ug/L			09/27/21 20:54	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 15:05	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 15:05	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 15:05	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 15:05	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 15:05	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 15:05	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 15:05	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 15:05	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 15:05	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 15:05	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 15:05	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 15:05	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 15:05	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 15:05	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 15:05	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 15:05	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 15:05	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 15:05	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 15:05	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 15:05	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 15:05	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 15:05	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 15:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 15:05	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 15:05	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 15:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 15:05	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 15:05	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 15:05	1

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Client Sample ID: MW-5R-20210914
Lab Sample ID: 590-15906-4
Date Collected: 09/14/21 15:04
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 15:05	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 15:05	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 15:05	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 15:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 15:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 15:05	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 15:05	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 15:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/22/21 15:05*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/27/21 20:54*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*09/22/21 15:05*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*09/27/21 20:54*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*09/22/21 15:05*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*09/27/21 20:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*09/22/21 15:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*09/27/21 20:54*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*68.7 - 141*		*09/22/21 15:05*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 14:59	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 12:30	1
MCPP	ND		380	31	ug/L		09/21/21 13:12	09/29/21 12:30	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 12:30	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 12:30	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 12:30	1
Dalapon	ND		1.9	0.86	ug/L		09/21/21 13:12	09/29/21 12:30	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 12:30	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 12:30	1
Dinoseb	ND	*-	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 12:30	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 12:30	1
Picloram	ND		0.47	0.23	ug/L		09/21/21 13:12	09/29/21 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*75*		*39 - 135*	*09/21/21 13:12*	*09/29/21 12:30*	*1*

Client Sample ID: MW-5R-20210914

Lab Sample ID: 590-15906-4

Date Collected: 09/14/21 15:04

Matrix: Water

Date Received: 09/16/21 11:30

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		09/20/21 14:41	09/21/21 04:22	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*09/20/21 14:41*	*09/21/21 04:22*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*09/20/21 14:41*	*09/21/21 04:22*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.071**		0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 00:58	5
Barium	**0.034**		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 00:58	5
Cadmium	**0.00019**	**J**	0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 00:58	5
Chromium	ND		0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 00:58	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 00:58	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 00:58	5
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 00:58	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 16:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:17	1
Nitrate Nitrite as N	**12**	**B**	0.20	0.038	mg/L			09/20/21 12:26	2

Client Sample ID: MW-3R-20210914

Lab Sample ID: 590-15906-5

Date Collected: 09/14/21 16:13

Matrix: Water

Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 21:15	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 15:26	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 15:26	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 15:26	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 15:26	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 15:26	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 15:26	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 15:26	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 15:26	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 15:26	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 15:26	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 15:26	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 15:26	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 15:26	1

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-3R-20210914
Date Collected: 09/14/21 16:13
Date Received: 09/16/21 11:30

Lab Sample ID: 590-15906-5
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			09/22/21 15:26	1
1,2-Dichloroethane	**2.4**		1.0	0.31	ug/L			09/27/21 21:15	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 15:26	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 15:26	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 15:26	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 15:26	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 15:26	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 15:26	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 15:26	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 15:26	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 15:26	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 15:26	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 15:26	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 15:26	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 15:26	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 15:26	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 15:26	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 15:26	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 15:26	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 15:26	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 15:26	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 15:26	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 15:26	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 15:26	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 15:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 15:26	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 15:26	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 15:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 15:26	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 15:26	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 15:26	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 15:26	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 15:26	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 15:26	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 15:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 15:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 15:26	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 15:26	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 15:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/22/21 15:26*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/27/21 21:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/22/21 15:26*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*09/27/21 21:15*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*09/22/21 15:26*	*1*

Client Sample ID: MW-3R-20210914
Lab Sample ID: 590-15906-5
Date Collected: 09/14/21 16:13
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*09/27/21 21:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 120*		*09/22/21 15:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/27/21 21:15*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*09/22/21 15:26*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 15:15	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.96	0.16	ug/L		09/21/21 13:12	09/29/21 12:53	1
MCPP	ND		380	32	ug/L		09/21/21 13:12	09/29/21 12:53	1
2,4,5-T	ND		0.96	0.43	ug/L		09/21/21 13:12	09/29/21 12:53	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 12:53	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 12:53	1
Dalapon	ND		1.9	0.87	ug/L		09/21/21 13:12	09/29/21 12:53	1
Dicamba	ND		1.9	0.42	ug/L		09/21/21 13:12	09/29/21 12:53	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 12:53	1
Dinoseb	ND	*-	0.96	0.43	ug/L		09/21/21 13:12	09/29/21 12:53	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 12:53	1
Picloram	ND		0.48	0.23	ug/L		09/21/21 13:12	09/29/21 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*62*		*39 - 135*	*09/21/21 13:12*	*09/29/21 12:53*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		09/20/21 14:41	09/21/21 04:42	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*09/20/21 14:41*	*09/21/21 04:42*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*09/20/21 14:41*	*09/21/21 04:42*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.071**		0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 01:02	5
Barium	**0.035**		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 01:02	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 01:02	5
Chromium	ND		0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 01:02	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 01:02	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 01:02	5

Client Sample ID: MW-3R-20210914
Lab Sample ID: 590-15906-5
Date Collected: 09/14/21 16:13
Matrix: Water
Date Received: 09/16/21 11:30

Method: 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 01:02	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 16:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:19	1
Nitrate Nitrite as N	11	B	0.50	0.095	mg/L			09/20/21 12:28	5

Client Sample ID: Rinsate
Lab Sample ID: 590-15906-6
Date Collected: 09/14/21 12:28
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 21:37	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 15:47	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 15:47	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 15:47	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 15:47	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 15:47	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:47	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 15:47	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:47	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 15:47	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 15:47	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 15:47	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 15:47	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 15:47	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 15:47	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 15:47	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 15:47	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 15:47	1
1,2-Dichloroethane	ND	*+	1.0	0.31	ug/L			09/22/21 15:47	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:47	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 15:47	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 15:47	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 15:47	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 15:47	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 15:47	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 15:47	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 15:47	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 15:47	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 15:47	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 15:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 15:47	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 15:47	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:47	1

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Client Sample ID: Rinsate
Lab Sample ID: 590-15906-6
Date Collected: 09/14/21 12:28
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 15:47	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 15:47	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 15:47	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 15:47	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 15:47	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 15:47	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 15:47	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 15:47	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 15:47	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 15:47	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 15:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 15:47	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 15:47	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 15:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 15:47	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 15:47	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 15:47	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 15:47	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 15:47	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:47	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 15:47	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 15:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 15:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 15:47	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 15:47	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 15:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/22/21 15:47*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/27/21 21:37*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*09/22/21 15:47*	*1*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*09/27/21 21:37*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*09/22/21 15:47*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*09/27/21 21:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*80 - 120*		*09/22/21 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*09/27/21 21:37*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*68.7 - 141*		*09/22/21 15:47*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 15:31	1

Client Sample ID: Rinsate
Lab Sample ID: 590-15906-6
Date Collected: 09/14/21 12:28
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 13:15	1
MCPP	ND		380	31	ug/L		09/21/21 13:12	09/29/21 13:15	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 13:15	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 13:15	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 13:15	1
Dalapon	ND		1.9	0.86	ug/L		09/21/21 13:12	09/29/21 13:15	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 13:15	1
Dichlorprop	ND		3.8	0.61	ug/L		09/21/21 13:12	09/29/21 13:15	1
Dinoseb	ND	*-	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 13:15	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 13:15	1
Picloram	ND		0.47	0.23	ug/L		09/21/21 13:12	09/29/21 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*112*		*39 - 135*	*09/21/21 13:12*	*09/29/21 13:15*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		09/20/21 14:41	09/21/21 05:03	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*09/20/21 14:41*	*09/21/21 05:03*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*09/20/21 14:41*	*09/21/21 05:03*	*1*

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 01:06	5
Barium	ND		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 01:06	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 01:06	5
Chromium	ND		0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 01:06	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 01:06	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 01:06	5
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 01:06	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:21	1
Nitrate Nitrite as N	**0.050**	**J B**	0.10	0.019	mg/L			09/20/21 12:42	1

Client Sample ID: Trip Blank
Lab Sample ID: 590-15906-7
Date Collected: 09/14/21 08:00
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			09/22/21 16:29	1

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: Trip Blank
Date Collected: 09/14/21 08:00
Date Received: 09/16/21 11:30

Lab Sample ID: 590-15906-7
Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 16:29	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 16:29	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 16:29	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 16:29	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 16:29	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 16:29	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 16:29	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 16:29	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 16:29	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 16:29	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 16:29	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 16:29	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 16:29	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 16:29	1
1,2-Dichloroethane	ND	*+	1.0	0.31	ug/L			09/22/21 16:29	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 16:29	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 16:29	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 16:29	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 16:29	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 16:29	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 16:29	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 16:29	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 16:29	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 16:29	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 16:29	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 16:29	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 16:29	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 16:29	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 16:29	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 16:29	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 16:29	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 16:29	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 16:29	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 16:29	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 16:29	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 16:29	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 16:29	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 16:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 16:29	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 16:29	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 16:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 16:29	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 16:29	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 16:29	1

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Client Sample ID: Trip Blank
Lab Sample ID: 590-15906-7
Date Collected: 09/14/21 08:00
Matrix: Water
Date Received: 09/16/21 11:30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 16:29	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 16:29	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 16:29	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 16:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 16:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 16:29	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 16:29	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 16:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/22/21 16:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/22/21 16:29*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*09/22/21 16:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 120*		*09/22/21 16:29*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*09/22/21 16:29*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-33220/6
Matrix: Water
Analysis Batch: 33220

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 11:58	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 11:58	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 11:58	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 11:58	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 11:58	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 11:58	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 11:58	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 11:58	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 11:58	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 11:58	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 11:58	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 11:58	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 11:58	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 11:58	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			09/22/21 11:58	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 11:58	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 11:58	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 11:58	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 11:58	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 11:58	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 11:58	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 11:58	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 11:58	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 11:58	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 11:58	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 11:58	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 11:58	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 11:58	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 11:58	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 11:58	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 11:58	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 11:58	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 11:58	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 11:58	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 11:58	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 11:58	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 11:58	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 11:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 11:58	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 11:58	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 11:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 11:58	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 11:58	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-33220/6
Matrix: Water
Analysis Batch: 33220

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 11:58	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 11:58	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 11:58	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 11:58	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 11:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 11:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 11:58	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 11:58	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 11:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/22/21 11:58*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*09/22/21 11:58*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*09/22/21 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 120*		*09/22/21 11:58*	*1*

Lab Sample ID: LCS 590-33220/4
Matrix: Water
Analysis Batch: 33220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	10.0	10.4		ug/L		104	55 - 144
Vinyl chloride	10.0	11.3		ug/L		113	68 - 136
Bromomethane	10.0	9.35		ug/L		93	64 - 133
Chloroethane	10.0	10.4		ug/L		104	69 - 129
Trichlorofluoromethane	10.0	12.0		ug/L		120	78 - 132
1,1-Dichloroethene	10.0	11.5		ug/L		115	75 - 140
Methylene Chloride	10.0	10.8		ug/L		108	20 - 150
trans-1,2-Dichloroethene	10.0	11.3		ug/L		113	75 - 132
1,1-Dichloroethane	10.0	11.9		ug/L		119	79 - 121
2,2-Dichloropropane	10.0	11.8		ug/L		118	69 - 143
cis-1,2-Dichloroethene	10.0	11.8		ug/L		118	80 - 121
Bromochloromethane	10.0	12.5		ug/L		125	70 - 133
Chloroform	10.0	11.6		ug/L		116	80 - 126
1,1,1-Trichloroethane	10.0	11.9		ug/L		119	80 - 130
Carbon tetrachloride	10.0	10.8		ug/L		108	75 - 126
1,1-Dichloropropene	10.0	11.0		ug/L		110	76 - 125
Benzene	10.0	11.0		ug/L		110	80 - 126
1,2-Dichloroethane	10.0	12.6		ug/L		126	76 - 127
Trichloroethene	10.0	10.8		ug/L		108	75 - 129
1,2-Dichloropropane	10.0	11.2		ug/L		112	80 - 121
Dibromomethane	10.0	10.7		ug/L		107	70 - 126
Bromodichloromethane	10.0	11.2		ug/L		112	73 - 135
cis-1,3-Dichloropropene	10.0	10.2		ug/L		102	72 - 129
Toluene	10.0	10.1		ug/L		101	80 - 129
trans-1,3-Dichloropropene	10.0	9.40		ug/L		94	49 - 148

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-33220/4
Matrix: Water
Analysis Batch: 33220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	80 - 126
Tetrachloroethene	10.0	10.0		ug/L		100	77 - 132
1,3-Dichloropropane	10.0	10.3		ug/L		103	73 - 126
Dibromochloromethane	10.0	9.75		ug/L		97	72 - 122
1,2-Dibromoethane (EDB)	10.0	10.4		ug/L		104	74 - 120
Chlorobenzene	10.0	10.3		ug/L		103	79 - 125
Ethylbenzene	10.0	10.4		ug/L		104	80 - 128
1,1,1,2-Tetrachloroethane	10.0	10.6		ug/L		106	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.9		ug/L		109	60 - 140
m,p-Xylene	10.0	10.1		ug/L		101	80 - 127
o-Xylene	10.0	10.5		ug/L		105	80 - 126
Styrene	10.0	10.2		ug/L		102	67 - 136
Bromoform	10.0	9.96		ug/L		100	65 - 134
Isopropylbenzene	10.0	10.5		ug/L		105	77 - 123
Bromobenzene	10.0	10.7		ug/L		107	68 - 128
N-Propylbenzene	10.0	10.8		ug/L		108	67 - 138
1,2,3-Trichloropropane	10.0	11.5		ug/L		115	53 - 143
2-Chlorotoluene	10.0	10.6		ug/L		106	63 - 131
1,3,5-Trimethylbenzene	10.0	11.2		ug/L		112	69 - 134
4-Chlorotoluene	10.0	11.0		ug/L		110	70 - 132
tert-Butylbenzene	10.0	10.9		ug/L		109	68 - 132
1,2,4-Trimethylbenzene	10.0	10.6		ug/L		106	69 - 133
sec-Butylbenzene	10.0	10.9		ug/L		109	67 - 131
1,3-Dichlorobenzene	10.0	10.9		ug/L		109	74 - 128
p-Isopropyltoluene	10.0	10.7		ug/L		107	72 - 127
1,4-Dichlorobenzene	10.0	10.9		ug/L		109	74 - 121
n-Butylbenzene	10.0	10.3		ug/L		103	71 - 127
1,2-Dichlorobenzene	10.0	10.8		ug/L		108	73 - 127
1,2-Dibromo-3-Chloropropane	10.0	10.7		ug/L		107	47 - 136
1,2,4-Trichlorobenzene	10.0	10.6		ug/L		106	62 - 136
1,2,3-Trichlorobenzene	10.0	10.5		ug/L		105	53 - 135
Hexachlorobutadiene	10.0	9.72		ug/L		97	71 - 128
Naphthalene	10.0	10.6		ug/L		106	50 - 142
Methyl tert-butyl ether	10.0	12.0		ug/L		120	77 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*116*		*80 - 120*

Lab Sample ID: LCSD 590-33220/1003
Matrix: Water
Analysis Batch: 33220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	10.0	11.4		ug/L		114	55 - 144	10	21
Vinyl chloride	10.0	11.0		ug/L		110	68 - 136	3	25

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-33220/1003
Matrix: Water
Analysis Batch: 33220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	10.0	9.51		ug/L		95	64 - 133	2	25
Chloroethane	10.0	10.0		ug/L		100	69 - 129	4	25
Trichlorofluoromethane	10.0	11.5		ug/L		115	78 - 132	4	19
1,1-Dichloroethene	10.0	11.7		ug/L		117	75 - 140	2	24
Methylene Chloride	10.0	10.6		ug/L		106	20 - 150	2	32
trans-1,2-Dichloroethene	10.0	11.6		ug/L		116	75 - 132	2	17
1,1-Dichloroethane	10.0	11.4		ug/L		114	79 - 121	4	16
2,2-Dichloropropane	10.0	12.0		ug/L		120	69 - 143	2	25
cis-1,2-Dichloroethene	10.0	11.8		ug/L		118	80 - 121	0	18
Bromochloromethane	10.0	13.3		ug/L		133	70 - 133	6	25
Chloroform	10.0	11.7		ug/L		117	80 - 126	0	18
1,1,1-Trichloroethane	10.0	11.9		ug/L		119	80 - 130	0	18
Carbon tetrachloride	10.0	11.3		ug/L		113	75 - 126	5	17
1,1-Dichloropropene	10.0	11.6		ug/L		116	76 - 125	5	24
Benzene	10.0	11.3		ug/L		113	80 - 126	2	18
1,2-Dichloroethane	10.0	12.8	*+	ug/L		128	76 - 127	2	16
Trichloroethene	10.0	10.8		ug/L		108	75 - 129	0	17
1,2-Dichloropropane	10.0	11.7		ug/L		117	80 - 121	4	18
Dibromomethane	10.0	11.1		ug/L		111	70 - 126	3	21
Bromodichloromethane	10.0	11.8		ug/L		118	73 - 135	5	19
cis-1,3-Dichloropropene	10.0	10.4		ug/L		104	72 - 129	1	20
Toluene	10.0	10.3		ug/L		103	80 - 129	2	18
trans-1,3-Dichloropropene	10.0	9.15		ug/L		91	49 - 148	3	35
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	80 - 126	2	16
Tetrachloroethene	10.0	10.2		ug/L		102	77 - 132	2	22
1,3-Dichloropropane	10.0	10.1		ug/L		101	73 - 126	2	23
Dibromochloromethane	10.0	10.0		ug/L		100	72 - 122	3	19
1,2-Dibromoethane (EDB)	10.0	10.1		ug/L		101	74 - 120	3	17
Chlorobenzene	10.0	10.3		ug/L		103	79 - 125	0	17
Ethylbenzene	10.0	10.9		ug/L		109	80 - 128	5	18
1,1,1,2-Tetrachloroethane	10.0	11.3		ug/L		113	75 - 125	6	23
1,1,2,2-Tetrachloroethane	10.0	11.3		ug/L		113	60 - 140	4	21
m,p-Xylene	10.0	10.1		ug/L		101	80 - 127	0	18
o-Xylene	10.0	10.5		ug/L		105	80 - 126	0	17
Styrene	10.0	10.1		ug/L		101	67 - 136	0	17
Bromoform	10.0	9.69		ug/L		97	65 - 134	3	20
Isopropylbenzene	10.0	10.9		ug/L		109	77 - 123	4	17
Bromobenzene	10.0	11.3		ug/L		113	68 - 128	5	18
N-Propylbenzene	10.0	11.4		ug/L		114	67 - 138	5	18
1,2,3-Trichloropropane	10.0	10.1		ug/L		101	53 - 143	12	32
2-Chlorotoluene	10.0	11.4		ug/L		114	63 - 131	7	25
1,3,5-Trimethylbenzene	10.0	11.8		ug/L		118	69 - 134	5	17
4-Chlorotoluene	10.0	11.5		ug/L		115	70 - 132	4	18
tert-Butylbenzene	10.0	11.5		ug/L		115	68 - 132	6	19
1,2,4-Trimethylbenzene	10.0	11.4		ug/L		114	69 - 133	7	17
sec-Butylbenzene	10.0	11.6		ug/L		116	67 - 131	6	19
1,3-Dichlorobenzene	10.0	11.0		ug/L		110	74 - 128	1	17
p-Isopropyltoluene	10.0	11.3		ug/L		113	72 - 127	5	18
1,4-Dichlorobenzene	10.0	10.5		ug/L		105	74 - 121	4	18

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-33220/1003
Matrix: Water
Analysis Batch: 33220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
n-Butylbenzene			10.0	10.6		ug/L		106	71 - 127	3	19
1,2-Dichlorobenzene			10.0	10.9		ug/L		109	73 - 127	1	16
1,2-Dibromo-3-Chloropropane			10.0	11.6		ug/L		116	47 - 136	8	34
1,2,4-Trichlorobenzene			10.0	10.4		ug/L		104	62 - 136	2	26
1,2,3-Trichlorobenzene			10.0	10.1		ug/L		101	53 - 135	4	35
Hexachlorobutadiene			10.0	9.61		ug/L		96	71 - 128	1	22
Naphthalene			10.0	10.4		ug/L		104	50 - 142	3	32
Methyl tert-butyl ether			10.0	11.8		ug/L		118	77 - 128	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*

Lab Sample ID: MB 590-33282/20
Matrix: Water
Analysis Batch: 33282

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			09/27/21 19:28	1
Chloromethane	ND		3.0	0.50	ug/L			09/27/21 19:28	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/27/21 19:28	1
Bromomethane	ND		5.0	0.76	ug/L			09/27/21 19:28	1
Chloroethane	ND		2.0	0.40	ug/L			09/27/21 19:28	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/27/21 19:28	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/27/21 19:28	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/27/21 19:28	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/27/21 19:28	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/27/21 19:28	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/27/21 19:28	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/27/21 19:28	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/27/21 19:28	1
Chloroform	ND		1.0	0.24	ug/L			09/27/21 19:28	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/27/21 19:28	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/27/21 19:28	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/27/21 19:28	1
Benzene	ND		0.40	0.093	ug/L			09/27/21 19:28	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			09/27/21 19:28	1
Trichloroethene	ND		1.0	0.20	ug/L			09/27/21 19:28	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/27/21 19:28	1
Dibromomethane	ND		2.0	0.50	ug/L			09/27/21 19:28	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/27/21 19:28	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/27/21 19:28	1
Toluene	ND		1.0	0.31	ug/L			09/27/21 19:28	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/27/21 19:28	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/27/21 19:28	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/27/21 19:28	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-33282/20
Matrix: Water
Analysis Batch: 33282

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/27/21 19:28	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/27/21 19:28	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/27/21 19:28	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/27/21 19:28	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/27/21 19:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/27/21 19:28	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/27/21 19:28	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/27/21 19:28	1
o-Xylene	ND		1.0	0.16	ug/L			09/27/21 19:28	1
Styrene	ND		1.0	0.24	ug/L			09/27/21 19:28	1
Bromoform	ND		5.0	0.66	ug/L			09/27/21 19:28	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/27/21 19:28	1
Bromobenzene	ND		1.0	0.28	ug/L			09/27/21 19:28	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/27/21 19:28	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/27/21 19:28	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/27/21 19:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/27/21 19:28	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/27/21 19:28	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/27/21 19:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/27/21 19:28	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/27/21 19:28	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/27/21 19:28	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/27/21 19:28	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/27/21 19:28	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/27/21 19:28	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/27/21 19:28	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/27/21 19:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/27/21 19:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/27/21 19:28	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/27/21 19:28	1
Naphthalene	ND		2.0	0.63	ug/L			09/27/21 19:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/27/21 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/27/21 19:28*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*09/27/21 19:28*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*09/27/21 19:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*09/27/21 19:28*	*1*

Lab Sample ID: LCS 590-33282/1018
Matrix: Water
Analysis Batch: 33282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	17.6	*+	ug/L		176	48 - 142
Chloromethane	10.0	15.1	*+	ug/L		151	55 - 144
Vinyl chloride	10.0	13.2		ug/L		132	68 - 136
Bromomethane	10.0	12.5		ug/L		125	64 - 133

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-33282/1018
Matrix: Water
Analysis Batch: 33282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	10.0	12.7		ug/L		127	69 - 129
Trichlorofluoromethane	10.0	12.1		ug/L		121	78 - 132
1,1-Dichloroethene	10.0	12.1		ug/L		121	75 - 140
Methylene Chloride	10.0	9.92		ug/L		99	20 - 150
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	75 - 132
1,1-Dichloroethane	10.0	10.4		ug/L		104	79 - 121
2,2-Dichloropropane	10.0	10.8		ug/L		108	69 - 143
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	80 - 121
Bromochloromethane	10.0	10.3		ug/L		103	70 - 133
Chloroform	10.0	10.3		ug/L		103	80 - 126
1,1,1-Trichloroethane	10.0	10.2		ug/L		102	80 - 130
Carbon tetrachloride	10.0	9.58		ug/L		96	75 - 126
1,1-Dichloropropene	10.0	10.4		ug/L		104	76 - 125
Benzene	10.0	10.3		ug/L		103	80 - 126
1,2-Dichloroethane	10.0	10.2		ug/L		102	76 - 127
Trichloroethene	10.0	10.0		ug/L		100	75 - 129
1,2-Dichloropropane	10.0	9.53		ug/L		95	80 - 121
Dibromomethane	10.0	10.8		ug/L		108	70 - 126
Bromodichloromethane	10.0	10.2		ug/L		102	73 - 135
cis-1,3-Dichloropropene	10.0	9.24		ug/L		92	72 - 129
Toluene	10.0	10.1		ug/L		101	80 - 129
trans-1,3-Dichloropropene	10.0	9.49		ug/L		95	49 - 148
1,1,2-Trichloroethane	10.0	9.74		ug/L		97	80 - 126
Tetrachloroethene	10.0	9.84		ug/L		98	77 - 132
1,3-Dichloropropane	10.0	10.1		ug/L		101	73 - 126
Dibromochloromethane	10.0	10.0		ug/L		100	72 - 122
1,2-Dibromoethane (EDB)	10.0	9.69		ug/L		97	74 - 120
Chlorobenzene	10.0	10.1		ug/L		101	79 - 125
Ethylbenzene	10.0	9.40		ug/L		94	80 - 128
1,1,1,2-Tetrachloroethane	10.0	10.0		ug/L		100	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.1		ug/L		101	60 - 140
m,p-Xylene	10.0	9.44		ug/L		94	80 - 127
o-Xylene	10.0	9.09		ug/L		91	80 - 126
Styrene	10.0	8.56		ug/L		86	67 - 136
Bromoform	10.0	9.20		ug/L		92	65 - 134
Isopropylbenzene	10.0	8.89		ug/L		89	77 - 123
Bromobenzene	10.0	10.6		ug/L		106	68 - 128
N-Propylbenzene	10.0	10.1		ug/L		101	67 - 138
1,2,3-Trichloropropane	10.0	9.73		ug/L		97	53 - 143
2-Chlorotoluene	10.0	10.3		ug/L		103	63 - 131
1,3,5-Trimethylbenzene	10.0	10.5		ug/L		105	69 - 134
4-Chlorotoluene	10.0	10.3		ug/L		103	70 - 132
tert-Butylbenzene	10.0	10.1		ug/L		101	68 - 132
1,2,4-Trimethylbenzene	10.0	9.77		ug/L		98	69 - 133
sec-Butylbenzene	10.0	10.3		ug/L		103	67 - 131
1,3-Dichlorobenzene	10.0	9.89		ug/L		99	74 - 128
p-Isopropyltoluene	10.0	10.2		ug/L		102	72 - 127
1,4-Dichlorobenzene	10.0	9.54		ug/L		95	74 - 121
n-Butylbenzene	10.0	10.1		ug/L		101	71 - 127

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-33282/1018
Matrix: Water
Analysis Batch: 33282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	10.0	10.2		ug/L		102	73 - 127
1,2-Dibromo-3-Chloropropane	10.0	9.71	J	ug/L		97	47 - 136
1,2,4-Trichlorobenzene	10.0	10.5		ug/L		105	62 - 136
1,2,3-Trichlorobenzene	10.0	10.9		ug/L		109	53 - 135
Hexachlorobutadiene	10.0	12.0		ug/L		120	71 - 128
Naphthalene	10.0	9.71		ug/L		97	50 - 142
Methyl tert-butyl ether	10.0	10.6		ug/L		106	77 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-33219/6
Matrix: Water
Analysis Batch: 33219

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*09/22/21 11:58*	*1*

Lab Sample ID: LCS 590-33219/1005
Matrix: Water
Analysis Batch: 33219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	1180		ug/L		118	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*68.7 - 141*

Lab Sample ID: LCSD 590-33219/1016
Matrix: Water
Analysis Batch: 33219

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	1070		ug/L		107	80 - 120	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*68.7 - 141*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 590-33216/3-A
Matrix: Water
Analysis Batch: 33213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33216

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 13:05	1

Lab Sample ID: LCS 590-33216/4-A
Matrix: Water
Analysis Batch: 33213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	0.125	0.126		ug/L		101	60 - 140

Lab Sample ID: LCSD 590-33216/5-A
Matrix: Water
Analysis Batch: 33213

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33216

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	0.125	0.115		ug/L		92	60 - 140	9	20

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-550538/1-A
Matrix: Water
Analysis Batch: 551385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		1.0	0.17	ug/L		09/21/21 13:12	09/29/21 04:38	1
MCPP	ND		400	33	ug/L		09/21/21 13:12	09/29/21 04:38	1
2,4,5-T	ND		1.0	0.46	ug/L		09/21/21 13:12	09/29/21 04:38	1
2,4-D	ND		4.0	0.53	ug/L		09/21/21 13:12	09/29/21 04:38	1
2,4-DB	ND		4.0	0.75	ug/L		09/21/21 13:12	09/29/21 04:38	1
Dalapon	ND		2.0	0.91	ug/L		09/21/21 13:12	09/29/21 04:38	1
Dicamba	ND		2.0	0.44	ug/L		09/21/21 13:12	09/29/21 04:38	1
Dichlorprop	ND		4.0	0.65	ug/L		09/21/21 13:12	09/29/21 04:38	1
Dinoseb	ND		1.0	0.45	ug/L		09/21/21 13:12	09/29/21 04:38	1
MCPA	ND		400	48	ug/L		09/21/21 13:12	09/29/21 04:38	1
Picloram	ND		0.50	0.24	ug/L		09/21/21 13:12	09/29/21 04:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*68*		*39 - 135*	*09/21/21 13:12*	*09/29/21 04:38*	*1*

Lab Sample ID: LCS 280-550538/2-A
Matrix: Water
Analysis Batch: 551385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	5.00	3.47		ug/L		69	48 - 123
MCPP	500	435		ug/L		87	33 - 131
2,4,5-T	5.00	3.15		ug/L		63	42 - 121
2,4-D	5.00	3.23	J	ug/L		65	41 - 124
2,4-DB	5.00	2.15	J	ug/L		43	35 - 117
Dalapon	5.00	2.47		ug/L		49	24 - 124

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 280-550538/2-A
Matrix: Water
Analysis Batch: 551385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dicamba	5.00	3.64		ug/L		73	44 - 114
Dichlorprop	5.00	3.73	J	ug/L		75	46 - 117
Dinoseb	5.00	2.35	*-	ug/L		47	59 - 179
MCPA	500	322	J	ug/L		64	37 - 106
Picloram	5.00	2.40		ug/L		48	39 - 109

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*70*		*39 - 135*

Lab Sample ID: LCSD 280-550538/3-A
Matrix: Water
Analysis Batch: 551385

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 550538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	5.00	3.81		ug/L		76	48 - 123	9	20
MCPP	500	481		ug/L		96	33 - 131	10	30
2,4,5-T	5.00	3.47		ug/L		69	42 - 121	10	30
2,4-D	5.00	3.54	J	ug/L		71	41 - 124	9	20
2,4-DB	5.00	2.53	J	ug/L		51	35 - 117	16	30
Dalapon	5.00	2.75		ug/L		55	24 - 124	11	30
Dicamba	5.00	3.91		ug/L		78	44 - 114	7	30
Dichlorprop	5.00	4.13		ug/L		83	46 - 117	10	30
Dinoseb	5.00	2.72	*-	ug/L		54	59 - 179	14	30
MCPA	500	357	J	ug/L		71	37 - 106	10	30
Picloram	5.00	2.58		ug/L		52	39 - 109	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*75*		*39 - 135*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-33186/1-A
Matrix: Water
Analysis Batch: 33182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		09/20/21 14:41	09/20/21 21:27	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		09/20/21 14:41	09/20/21 21:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*09/20/21 14:41*	*09/20/21 21:27*	*1*
n-Triacontane-d62	*85*		*50 - 150*	*09/20/21 14:41*	*09/20/21 21:27*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-33186/2-A
Matrix: Water
Analysis Batch: 33182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33186

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO) (C10-C25)			1.60	1.16		mg/L		72	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.40		mg/L		87	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*87*		*50 - 150*
n-Triacontane-d62	*90*		*50 - 150*

Lab Sample ID: LCSD 590-33186/3-A
Matrix: Water
Analysis Batch: 33182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33186

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.21		mg/L		76	50 - 150	4	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.47		mg/L		92	50 - 150	5	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*90*		*50 - 150*
n-Triacontane-d62	*93*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-368844/24-A
Matrix: Water
Analysis Batch: 368980

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 368844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00020	mg/L		09/24/21 20:03	09/27/21 23:10	1
Barium	ND		0.0012	0.00021	mg/L		09/24/21 20:03	09/27/21 23:10	1
Cadmium	ND		0.00040	0.000037	mg/L		09/24/21 20:03	09/27/21 23:10	1
Chromium	ND		0.00080	0.00017	mg/L		09/24/21 20:03	09/27/21 23:10	1
Lead	ND		0.00040	0.000040	mg/L		09/24/21 20:03	09/27/21 23:10	1
Selenium	ND		0.0080	0.0021	mg/L		09/24/21 20:03	09/27/21 23:10	1
Silver	ND		0.00040	0.000025	mg/L		09/24/21 20:03	09/27/21 23:10	1

Lab Sample ID: LCS 580-368844/25-A
Matrix: Water
Analysis Batch: 368980

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 368844

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			1.00	1.00		mg/L		100	80 - 120		
Barium			1.00	1.02		mg/L		102	80 - 120		
Cadmium			1.00	0.996		mg/L		100	80 - 120		
Chromium			1.00	0.986		mg/L		99	80 - 120		
Lead			1.00	0.950		mg/L		95	80 - 120		
Selenium			1.00	1.01		mg/L		101	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-368844/25-A
Matrix: Water
Analysis Batch: 368980

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 368844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	1.00	0.990		mg/L		99	80 - 120

Lab Sample ID: LCSD 580-368844/26-A
Matrix: Water
Analysis Batch: 368980

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 368844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	0.995		mg/L		100	80 - 120	0	20
Barium	1.00	1.01		mg/L		101	80 - 120	1	20
Cadmium	1.00	0.990		mg/L		99	80 - 120	1	20
Chromium	1.00	0.984		mg/L		98	80 - 120	0	20
Lead	1.00	0.950		mg/L		95	80 - 120	0	20
Selenium	1.00	0.995		mg/L		100	80 - 120	1	20
Silver	1.00	0.990		mg/L		99	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 580-368776/22-A
Matrix: Water
Analysis Batch: 368882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 15:36	1

Lab Sample ID: LCS 580-368776/23-A
Matrix: Water
Analysis Batch: 368882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00212		mg/L		106	80 - 120

Lab Sample ID: LCSD 580-368776/24-A
Matrix: Water
Analysis Batch: 368882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 368776

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00200	0.00213		mg/L		107	80 - 120	0	20

Lab Sample ID: 590-15906-1 MS
Matrix: Water
Analysis Batch: 368882

Client Sample ID: MW-6D-20210914
Prep Type: Dissolved
Prep Batch: 368776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00200	0.00205		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 590-15906-1 MSD
Matrix: Water
Analysis Batch: 368882

Client Sample ID: MW-6D-20210914
Prep Type: Dissolved
Prep Batch: 368776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00200	0.00203		mg/L		102	80 - 120	1	20

Lab Sample ID: 590-15906-1 DU
Matrix: Water
Analysis Batch: 368882

Client Sample ID: MW-6D-20210914
Prep Type: Dissolved
Prep Batch: 368776

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	ND		ND		mg/L				NC	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-551134/20
Matrix: Water
Analysis Batch: 551134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 10:45	1

Lab Sample ID: MB 280-551134/55
Matrix: Water
Analysis Batch: 551134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 12:01	1

Lab Sample ID: LCS 280-551134/53
Matrix: Water
Analysis Batch: 551134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia as N			2.50	2.45		mg/L		98	90 - 110		

Lab Sample ID: LCSD 280-551134/54
Matrix: Water
Analysis Batch: 551134

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N			2.50	2.45		mg/L		98	90 - 110	0	10

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-550443/26
Matrix: Water
Analysis Batch: 550443

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0407	J	0.10	0.019	mg/L			09/20/21 11:36	1

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 280-550443/21
Matrix: Water
Analysis Batch: 550443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N			5.00	4.97		mg/L		99	90 - 110		

Lab Sample ID: LCSD 280-550443/23
Matrix: Water
Analysis Batch: 550443

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N			5.00	4.95		mg/L		99	90 - 110	0	10

Client Sample ID: MW-6D-20210914
Lab Sample ID: 590-15906-1

Date Collected: 09/14/21 10:21
Matrix: Water
Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 19:49	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 14:02	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 14:02	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 14:10	NMI	TAL SPK
Total/NA	Prep	8151A			1052.5 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 11:01	MB	TAL DEN
Total/NA	Prep	3510C			258.4 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 02:59	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 00:47	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 15:43	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:11	MMP	TAL DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	550443	09/20/21 12:20	ZPM	TAL DEN

Client Sample ID: MW-7D-20210914
Lab Sample ID: 590-15906-2

Date Collected: 09/14/21 12:07
Matrix: Water
Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 20:11	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 14:23	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 14:23	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 14:26	NMI	TAL SPK
Total/NA	Prep	8151A			1053.1 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 11:23	MB	TAL DEN
Total/NA	Prep	3510C			266.2 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 03:20	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 00:51	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 15:56	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:13	MMP	TAL DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	550443	09/20/21 12:22	ZPM	TAL DEN

Client Sample ID: MW-4-20210914
Lab Sample ID: 590-15906-3

Date Collected: 09/14/21 14:04
Matrix: Water
Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 20:32	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 14:44	JSP	TAL SPK

Lab Chronicle

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Client Sample ID: MW-4-20210914
Lab Sample ID: 590-15906-3
Date Collected: 09/14/21 14:04
Matrix: Water
Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 14:44	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 14:42	NMI	TAL SPK
Total/NA	Prep	8151A			1050.9 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 11:46	MB	TAL DEN
Total/NA	Prep	3510C			266.1 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 04:01	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 00:55	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 15:59	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:15	MMP	TAL DEN
Total/NA	Analysis	353.2		10	100 mL	100 mL	550443	09/20/21 12:24	ZPM	TAL DEN

Client Sample ID: MW-5R-20210914
Lab Sample ID: 590-15906-4
Date Collected: 09/14/21 15:04
Matrix: Water
Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 20:54	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 15:05	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 15:05	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 14:59	NMI	TAL SPK
Total/NA	Prep	8151A			1053.6 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 12:30	MB	TAL DEN
Total/NA	Prep	3510C			260.9 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 04:22	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 00:58	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 16:01	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:17	MMP	TAL DEN
Total/NA	Analysis	353.2		2	100 mL	100 mL	550443	09/20/21 12:26	ZPM	TAL DEN

Client Sample ID: MW-3R-20210914
Lab Sample ID: 590-15906-5
Date Collected: 09/14/21 16:13
Matrix: Water
Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 21:15	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 15:26	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 15:26	JSP	TAL SPK

Lab Chronicle

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Client Sample ID: MW-3R-20210914
Lab Sample ID: 590-15906-5
Date Collected: 09/14/21 16:13
Matrix: Water
Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 15:15	NMI	TAL SPK
Total/NA	Prep	8151A			1046.3 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 12:53	MB	TAL DEN
Total/NA	Prep	3510C			263.8 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 04:42	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 01:02	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 16:03	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:19	MMP	TAL DEN
Total/NA	Analysis	353.2		5	100 mL	100 mL	550443	09/20/21 12:28	ZPM	TAL DEN

Client Sample ID: Rinsate
Lab Sample ID: 590-15906-6
Date Collected: 09/14/21 12:28
Matrix: Water
Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 21:37	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 15:47	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 15:47	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 15:31	NMI	TAL SPK
Total/NA	Prep	8151A			1057 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 13:15	MB	TAL DEN
Total/NA	Prep	3510C			266 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 05:03	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 01:06	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 16:05	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:21	MMP	TAL DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	550443	09/20/21 12:42	ZPM	TAL DEN

Client Sample ID: Trip Blank
Lab Sample ID: 590-15906-7
Date Collected: 09/14/21 08:00
Matrix: Water
Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 16:29	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 16:29	JSP	TAL SPK

Lab Chronicle

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Laboratory: Eurofins TestAmerica, Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
NWTPH-Dx	3510C	Water	Residual Range Organics (RRO) (C25-C36)

Laboratory: Eurofins FGS, Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-22

Laboratory: Eurofins TestAmerica, Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C583-19	08-03-22

Method Summary

Client: HDR Inc
Job ID: 590-15906-1
Project/Site: Sunnyside, Washington/10302086

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL SPK
8151A	Herbicides (GC)	SW846	TAL DEN
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6020B	Metals (ICP/MS)	SW846	FGS SEA
7470A	Mercury (CVAA)	SW846	FGS SEA
350.1	Nitrogen, Ammonia	MCAWW	TAL DEN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL DEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	FGS SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK
5030C	Purge and Trap	SW846	TAL SPK
7470A	Preparation, Mercury	SW846	FGS SEA
8011	Microextraction	SW846	TAL SPK
8151A	Extraction (Herbicides)	SW846	TAL DEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NWTPH = Northwest Total Petroleum Hydrocarbon
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310
TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Katie Krajicek	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-6830-2014.1
Client Contact: Katie Krajicek	Phone: 402 708 9275	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: WA	Page: Page 1 of 1
Company: HDR Inc	PWSID:			Job #:
Address: 412 E. Parkcenter Blvd. Suite 100	Due Date Requested:			
City: Boise	TAT Requested (days):			
State, Zip: ID, 83706-6659	Compliance Project: ∧ Yes ∆ No			
Phone: 208-340-3854	PO #: Purchase Order Requested			
Email: kaitlyn.krajicek@hdr.com	WO #:			
Project Name: Sunnyside, Washington	Project #: 59002213 10302086			
Site: Sunnyside	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B, 7470A - Dissolved RCRA 8 Metals (Field Filtered)	NWTPH-Gx - GRO	350.1 - Ammonia	8011 - EDB	8151A - Herbicide	NWTPH-Dx - Diesel Range Organics	8260D - Standard Analyte List	353.2 - Nitrate & Nitrite	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	S	N	N	A	A	N		
MW6D-20210914	9/14/21	10:21	G	Water	Y	N	X	X	X	X	X	X	X	X		72
MW-7D-20210914	9/14/21	12:07	G	Water												
MW-4-20210914	9/14/21	14:04	G	Water												
MW-5R-20210914	9/14/21	15:04	G	Water												
MW-3R-20210914	9/14/21	16:13	G	Water												
Rinsate	9/14/21	12:28	G	Water												
Trip Blank				Water												

590-15906 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological	☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Katie Krajicek	9/15/2021 10:39	HDR	Madison Vaughan	9/16/21 9:00	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∧ Yes ∆ No | Custody Seal No.: 130188

Cooler Temperature(s) °C and Other Remarks: 1.4° IR006 0.9° IR006

Ver: 01/16/2019

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-6302.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Washington		Job #: 590-15906-1
Address: 4955 Yarrow Street.	Due Date Requested: 9/29/2021			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431 7171(Fax)	PO #:			
Email:	WO #:			
Project Name: Sunnyside, Washington	Project #: 59002213			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A HCL M Hexane
B NaOH N None
C Zn Acetate O AsNaO2
D Nitric Acid P Na2O4S
E NaHSO4 Q Na2SO3
F MeOH R Na2S2O3
G Amchlor S H2SO4
H Ascorbic Acid T TSP Dodecahydrate
Ice U Acetone
J DI Water V MCAA
K EDTA W pH 4-5
L EDA Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP (MOD) Herbicide (Aqueous)	353.2_Pres	350.1	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-6D-20210914 (590-15906-1)	9/14/21	10:21 Pacific		Water			X	X	X	3	
MW-7D-20210914 (590-15906-2)	9/14/21	12:07 Pacific		Water			X	X	X	3	
MW-4-20210914 (590-15906-3)	9/14/21	14:04 Pacific		Water			X	X	X	3	
MW-5R-20210914 (590-15906-4)	9/14/21	15:04 Pacific		Water			X	X	X	3	
MW-3R-20210914 (590-15906-5)	9/14/21	16:13 Pacific		Water			X	X	X	3	
Rinsate (590-15906-6)	9/14/21	12:28 Pacific		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Madison Vaughan	9/16/21 315			9/17/21 0945	ETADEN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ▲ Yes △ No	Custody Seal No. 130211, 130213	Cooler Temperature(s) °C and Other Remarks: 1.4, 0.4 CF+1.0 IR-11

Ver 06/08/2021

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-6301.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Randee.Arrington@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Frontier Global Sciences LLC		Accreditations Required (See note): State - Washington		Job #: 590-15906-1
Address: 5755 8th Street East, ,	Due Date Requested: 9/29/2021			
City: Tacoma	TAT Requested (days):			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel) 425-420-9210(Fax)	PO #:			
Email:	WO #:			
Project Name: Sunnyside, Washington	Project #: 59002213			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/FILTRATION Dissolved RCRA 8 (LF)	7470A/FILTRATION Diss Hg (LF)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-6D-20210914 (590-15906-1)	9/14/21	10:21 Pacific		Water			X	X	1	
MW-7D-20210914 (590-15906-2)	9/14/21	12:07 Pacific		Water			X	X	1	
MW-4-20210914 (590-15906-3)	9/14/21	14:04 Pacific		Water			X	X	1	
MW-5R-20210914 (590-15906-4)	9/14/21	15:04 Pacific		Water			X	X	1	
MW-3R-20210914 (590-15906-5)	9/14/21	16:13 Pacific		Water			X	X	1	
Rinsate (590-15906-6)	9/14/21	12:28 Pacific		Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Madison Vaughan	9/16/21 2:43	ETASPU	Tom Blankenship	9/17/21 1005	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR9 1.4/1.4 2.9/2.9

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15906-1

Login Number: 15906
List Number: 1
Creator: Vaughan, Madison 1

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15906-1

Login Number: 15906
List Number: 2
Creator: Blankinship, Tom X

List Source: Eurofins FGS, Seattle
List Creation: 09/17/21 03:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4°, 2.9°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	False	Preservation labels on samples match COC
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15906-1

Login Number: 15906
List Number: 3
Creator: Roehsner, Karen P

List Source: Eurofins TestAmerica, Denver
List Creation: 09/17/21 07:04 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

On-site Soil Suitability Testing (November 2021)

Report Date: November 22, 2021
Report No: 83931
Client: HDR - Boise
Sampler: Brittany Duarte
Project: ***Simplot***
Field:
P.N.: Phase 2.5 Remedial Investigation
Sampled: 11/9/2021

KTL KUOTESTING LABS
A Matrix Sciences Company

SOIL ANALYSIS REPORT

Lab #	Depth Inches Start	End	Field ID	Sample ID	NO3 -N #/A	NO3 -N ppm	NH4 -N #/A	NH4 -N ppm	P Bicarb ppm	K Am. Acet. ppm	SO4-S ppm	B ppm	OM %	pH	EC mmho/cm	Zn ppm	Mn ppm	Cu ppm	Fe ppm	Ca Meq/ 100g	Mg Meq/ 100g	Na Meq/ 100g	Efferve -scence	Total Bases Meq/100g	Cl ppm	Ca Saturation Paste ppm	Mg Saturation Paste ppm	Na Saturation Paste ppm	SAR	CCE %	Bicarb Meq/100g
5777	6	12	**SST2.5-28**		104	52.1	5	2.3	32	343	1544	1.77	1.13	7.6	6.66	11.1	2.5	3.1	14	22.9	3.4	5.79	Medium	32.96	24	373	124	1290	14.78	18.5	1.23
5778	12	18	**SST2.5-28**		40	20.0	6	2.8	19	245	1540	1.40	0.98	7.9	6.11	4.0	2.0	2.1	17	36.1	5.1	5.06	Heavy	46.92	18	396	127	874	9.78	24.0	1.13
5779	18	24	**SST2.5-28**		38	18.9	5	2.3	8	161	754	0.80	0.59	7.9	3.56	0.4	0.9	2.1	12	15.8	7.0	5.41	Slight	28.68	20	275	112	611	7.84	13.8	1.22
5780	6	12	**SST2.5-30**		605	302.7	6	3.0	19	607	237	6.27	0.93	8.4	4.11	2.6	2.8	2.3	17	13.6	2.7	4.79	Slight	22.66	33	470	91	1178	13.03	19.5	0.86
5781	12	18	**SST2.5-30**		33	16.4	5	2.5	12	521	194	4.53	0.75	8.3	2.64	0.4	2.0	1.9	18	14.6	3.6	4.95	Slight	24.51	26	215	48	828	13.31	16.8	1.19
5782	18	24	**SST2.5-30**		639	319.4	4	2.2	7	338	265	3.06	0.66	8.2	3.22	0.3	1.3	2.3	12	17.8	5.6	7.42	Slight	31.70	36	305	81	999	13.14	2.5	1.00
5783	6	12	**SST2.5-35**		484	242.0	5	2.6	36	578	1595	1.72	1.17	7.9	7.66	8.7	2.3	2.3	14	22.8	4.0	6.95	Medium	35.25	44	402	146	1391	15.11	18.8	1.17
5784	12	18	**SST2.5-35**		145	72.5	6	3.0	26	503	1428	1.18	0.94	8.0	5.95	1.2	1.6	1.6	16	33.8	4.0	5.17	Heavy	44.21	24	333	88	836	10.53	29.3	0.87
5785	18	24	**SST2.5-35**		131	65.4	7	3.3	9	314	188	0.66	0.93	8.5	1.68	0.3	1.2	1.7	17	16.5	5.3	5.07	Slight	27.60	31	83	34	581	13.58	25.8	1.24
5786	6	12	**SST2.5-37**		53	26.3	7	3.3	22	625	937	3.57	0.76	7.7	2.60	1.3	1.9	1.9	19	21.4	3.6	1.37	Heavy	27.90	6	434	79	232	2.70	25.0	1.27
5787	12	18	**SST2.5-37**		58	29.1	5	2.6	14	436	141	2.80	0.82	8.2	1.06	1.8	1.5	2.0	16	17.9	4.7	1.48	Medium	25.12	10	182	43	162	2.80	34.8	0.78
5788	18	24	**SST2.5-37**		115	57.4	5	2.4	9	320	158	2.68	0.85	8.1	1.12	1.0	1.1	2.5	11	25.5	7.5	2.10	Heavy	35.84	10	171	44	157	2.77	25.3	0.78
5789	6	12	**SST2.5-39**		218	109.1	10	5.0	46	850	110	2.21	0.75	7.0	1.54	35.1	40.3	3.0	24	18.7	6.3	1.94	None	29.17	16	233	67	202	2.99	27.0	1.69
5790	12	18	**SST2.5-39**		456	227.8	6	3.0	40	786	147	3.27	0.84	7.9	1.86	1.0	2.3	2.0	13	25.1	6.3	1.73	Heavy	35.14	24	416	94	194	2.23	17.5	0.74
5791	18	24	**SST2.5-39**		547	273.5	13	6.5	33	402	123	1.93	0.81	7.8	2.10	0.4	4.2	1.7	13	22.4	6.2	1.28	Heavy	30.82	26	499	127	166	1.72	31.3	0.74

Main Office: 119 E Main St., Othello, WA 99344
Oregon Office: 1300 Sixth St., Suite J, Umatilla, OR 97882
Pasco Office: 1320 E Spokane St., Pasco, WA 99301
(509) 488-0112 **info@kuotestinglabs.com**

Report Date: November 22, 2021
Report No: 83931
Client: HDR - Boise
Sampler: Brittany Duarte
Project: *Simplot*
Field: *SST2.5-28*
P.N.: Phase 2.5 Remedial Investigation
Sampled: 11/9/2021

KTL KUOTESTING LABS
A Matrix Sciences Company

SOIL ANALYSIS REPORT

Lab #	Depth Inches Start	Depth Inches End	Field ID	Sample ID	NO3-N #/A	NO3-N ppm	NH4-N #/A	NH4-N ppm	P Bicarb ppm	K Am. Acet. ppm	SO4-S ppm	B ppm	OM %	pH	EC mmho/cm	Zn ppm	Mn ppm	Cu ppm	Fe ppm	Ca Meq/100g	Mg Meq/100g	Na Meq/100g	Efferve-scence	Total Bases Meq/100g	Cl ppm	Ca Saturation Paste ppm	Mg Saturation Paste ppm	Na Saturation Paste ppm	SAR	CCE %	Bicarb Meq/100g
5777	6	12	**SST2.5-28**		104	52.1	5	2.3	32	343	1544	1.77	1.13	7.6	6.66	11.1	2.5	3.1	14	22.9	3.4	5.79	Medium	32.96	24	373	124	1290	14.78	18.5	1.23
5778	12	18	**SST2.5-28**		40	20.0	6	2.8	19	245	1540	1.40	0.98	7.9	6.11	4.0	2.0	2.1	17	36.1	5.1	5.06	Heavy	46.92	18	396	127	874	9.78	24.0	1.13
5779	18	24	**SST2.5-28**		38	18.9	5	2.3	8	161	754	0.80	0.59	7.9	3.56	0.4	0.9	2.1	12	15.8	7.0	5.41	Slight	28.68	20	275	112	611	7.84	13.8	1.22

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(509) 488-0112 **info@kuotestinglabs.com**

Report Date: November 22, 2021
Report No: 83931
Client: HDR - Boise
Sampler: Brittany Duarte
Project: *Simplot*
Field: *SST2.5-30*
P.N.: Phase 2.5 Remedial Investigation
Sampled: 11/9/2021

KTL KUOTESTING LABS
A Matrix Sciences Company

SOIL ANALYSIS REPORT

Lab #	Depth Inches Start	Depth Inches End	Field ID	Sample ID	NO3 -N #/A	NO3 -N ppm	NH4 -N #/A	NH4 -N ppm	P Bicarb ppm	K Am. Acet. ppm	SO4-S ppm	B ppm	OM %	pH	EC mmho/cm	Zn ppm	Mn ppm	Cu ppm	Fe ppm	Ca Meq/ 100g	Mg Meq/ 100g	Na Meq/ 100g	Efferve -scence	Total Bases Meq/100g	Cl ppm	Ca Saturation Paste ppm	Mg Saturation Paste ppm	Na Saturation Paste ppm	SAR	CCE %	Bicarb Meq/100g
5780	6	12	**SST2.5-30**		605	302.7	6	3.0	19	607	237	6.27	0.93	8.4	4.11	2.6	2.8	2.3	17	13.6	2.7	4.79	Slight	22.66	33	470	91	1178	13.03	19.5	0.86
5781	12	18	**SST2.5-30**		33	16.4	5	2.5	12	521	194	4.53	0.75	8.3	2.64	0.4	2.0	1.9	18	14.6	3.6	4.95	Slight	24.51	26	215	48	828	13.31	16.8	1.19
5782	18	24	**SST2.5-30**		639	319.4	4	2.2	7	338	265	3.06	0.66	8.2	3.22	0.3	1.3	2.3	12	17.8	5.6	7.42	Slight	31.70	36	305	81	999	13.14	2.5	1.00

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(509) 488-0112 **info@kuotestinglabs.com**

Report Date: November 22, 2021
Report No: 83931
Client: HDR - Boise
Sampler: Brittany Duarte
Project: *Simplot*
Field: *SST2.5-35*
P.N.: Phase 2.5 Remedial Investigation
Sampled: 11/9/2021

KTL KUOTESTING LABS
A Matrix Sciences Company

SOIL ANALYSIS REPORT

Lab #	Depth Inches Start	Depth Inches End	Field ID	Sample ID	NO3-N #/A	NO3-N ppm	NH4-N #/A	NH4-N ppm	P Bicarb ppm	K Am. Acet. ppm	SO4-S ppm	B ppm	OM %	pH	EC mmho/cm	Zn ppm	Mn ppm	Cu ppm	Fe ppm	Ca Meq/100g	Mg Meq/100g	Na Meq/100g	Efferve-scence	Total Bases Meq/100g	Cl ppm	Ca Saturation Paste ppm	Mg Saturation Paste ppm	Na Saturation Paste ppm	SAR	CCE %	Bicarb Meq/100g
5783	6	12	**SST2.5-35**		484	242.0	5	2.6	36	578	1595	1.72	1.17	7.9	7.66	8.7	2.3	2.3	14	22.8	4.0	6.95	Medium	35.25	44	402	146	1391	15.11	18.8	1.17
5784	12	18	**SST2.5-35**		145	72.5	6	3.0	26	503	1428	1.18	0.94	8.0	5.95	1.2	1.6	1.6	16	33.8	4.0	5.17	Heavy	44.21	24	333	88	836	10.53	29.3	0.87
5785	18	24	**SST2.5-35**		131	65.4	7	3.3	9	314	188	0.66	0.93	8.5	1.68	0.3	1.2	1.7	17	16.5	5.3	5.07	Slight	27.60	31	83	34	581	13.58	25.8	1.24

Main Office: 119 E Main St., Othello, WA 99344
Oregon Office: 1300 Sixth St., Suite J, Umatilla, OR 97882
Pasco Office: 1320 E Spokane St., Pasco, WA 99301
(509) 488-0112 **info@kuotestinglabs.com**

Report Date: November 22, 2021
Report No: 83931
Client: HDR - Boise
Sampler: Brittany Duarte
Project: *Simplot*
Field: *SST2.5-37*
P.N.: Phase 2.5 Remedial Investigation
Sampled: 11/9/2021

KTL KUOTESTING LABS
A Matrix Sciences Company

SOIL ANALYSIS REPORT

Lab #	Depth Inches Start	Depth Inches End	Field ID	Sample ID	NO3 -N #/A	NO3 -N ppm	NH4 -N #/A	NH4 -N ppm	P Bicarb ppm	K Am. Acet. ppm	SO4-S ppm	B ppm	OM %	pH	EC mmho/cm	Zn ppm	Mn ppm	Cu ppm	Fe ppm	Ca Meq/ 100g	Mg Meq/ 100g	Na Meq/ 100g	Efferve -scence	Total Bases Meq/100g	Cl ppm	Ca Saturation Paste ppm	Mg Saturation Paste ppm	Na Saturation Paste ppm	SAR	CCE %	Bicarb Meq/100g
5786	6	12	**SST2.5-37**		53	26.3	7	3.3	22	625	937	3.57	0.76	7.7	2.60	1.3	1.9	1.9	19	21.4	3.6	1.37	Heavy	27.90	6	434	79	232	2.70	25.0	1.27
5787	12	18	**SST2.5-37**		58	29.1	5	2.6	14	436	141	2.80	0.82	8.2	1.06	1.8	1.5	2.0	16	17.9	4.7	1.48	Medium	25.12	10	182	43	162	2.80	34.8	0.78
5788	18	24	**SST2.5-37**		115	57.4	5	2.4	9	320	158	2.68	0.85	8.1	1.12	1.0	1.1	2.5	11	25.5	7.5	2.10	Heavy	35.84	10	171	44	157	2.77	25.3	0.78

Main Office: 119 E Main St., Othello, WA 99344
Oregon Office: 1300 Sixth St., Suite J, Umatilla, OR 97882
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Report Date: November 22, 2021
Report No: 83931
Client: HDR - Boise
Sampler: Brittany Duarte
Project: *Simplot*
Field: *SST2.5-39*
P.N.: Phase 2.5 Remedial Investigation
Sampled: 11/9/2021

KTL KUOTESTING LABS
A Matrix Sciences Company

SOIL ANALYSIS REPORT

Lab #	Depth Inches Start	Depth Inches End	Field ID	Sample ID	NO3 -N #/A	NO3 -N ppm	NH4 -N #/A	NH4 -N ppm	P Bicarb ppm	K Am. Acet. ppm	SO4-S ppm	B ppm	OM %	pH	EC mmho/cm	Zn ppm	Mn ppm	Cu ppm	Fe ppm	Ca Meq/ 100g	Mg Meq/ 100g	Na Meq/ 100g	Efferve -scence	Total Bases Meq/100g	Cl ppm	Ca Saturation Paste ppm	Mg Saturation Paste ppm	Na Saturation Paste ppm	SAR	CCE %	Bicarb Meq/100g
5789	6	12	**SST2.5-39**		218	109.1	10	5.0	46	850	110	2.21	0.75	7.0	1.54	35.1	40.3	3.0	24	18.7	6.3	1.94	None	29.17	16	233	67	202	2.99	27.0	1.69
5790	12	18	**SST2.5-39**		456	227.8	6	3.0	40	786	147	3.27	0.84	7.9	1.86	1.0	2.3	2.0	13	25.1	6.3	1.73	Heavy	35.14	24	416	94	194	2.23	17.5	0.74
5791	18	24	**SST2.5-39**		547	273.5	13	6.5	33	402	123	1.93	0.81	7.8	2.10	0.4	4.2	1.7	13	22.4	6.2	1.28	Heavy	30.82	26	499	127	166	1.72	31.3	0.74

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Teir 1 Soil Vapor Intrusion Assessment (November 2021)

eurofins | Air Toxics

11/20/2021
Ms. Brittany Duarte
HDR, Inc.
4401 West Gate Blvd
Suite 400
Austin TX 78745

Project Name: Simplot Grower Solutions Phase 2.5
Project #: 10302086
Workorder #: 2111414

Dear Ms. Brittany Duarte

The following report includes the data for the above referenced project for sample(s) received on 11/15/2021 at Eurofins Air Toxics LLC.

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

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

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2111414

Work Order Summary

CLIENT:	Ms. Brittany Duarte HDR, Inc. 4401 West Gate Blvd Suite 400 Austin, TX 78745	**BILL TO:**	Accounts Payable HDR, Inc. 412 E. Parkcenter Blvd Suite 100 Boise, ID 83706
PHONE:	512-912-5100	**P.O. #**	10302086
FAX:	512-912-5158	**PROJECT #**	10302086 Simplot Grower Solutions Phase 2.5
DATE RECEIVED:	11/15/2021	**CONTACT:**	Monica Tran
DATE COMPLETED:	11/20/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	V12.5-Ambient	TO-15	20.4 "Hg	1.9 psi
02A	V12.5-04	TO-15	4.1 "Hg	2 psi
03A	V12.5-05	TO-15	6.0 "Hg	2 psi
04A	Lab Blank	TO-15	NA	NA
05A	CCV	TO-15	NA	NA
06A	LCS	TO-15	NA	NA
06AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 11/20/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
EPA Method TO-15
HDR, Inc.
Workorder# 2111414

One 6 Liter Summa Canister (Ambient) and two 6 Liter Summa Canister samples were received on November 16, 2021. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

Sample V12.5-Ambient was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

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

N - The identification is based on presumptive evidence.

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

CN - See Case Narrative.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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

Client Sample ID: V12.5-Ambient

Lab ID#: 2111414-01A

No Detections Were Found.

Client Sample ID: V12.5-04

Lab ID#: 2111414-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.66	1.8	1.5	4.0
Acetone	6.6	7.5	16	18
Toluene	0.66	2.0	2.5	7.4
Tetrachloroethene	0.66	1.1	4.5	7.5
Ethyl Benzene	0.66	1.0	2.9	4.5
m,p-Xylene	0.66	3.4	2.9	15
o-Xylene	0.66	1.1	2.9	4.8
1,2,4-Trimethylbenzene	0.66	0.67	3.2	3.3

Client Sample ID: V12.5-05

Lab ID#: 2111414-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.71	2.8	1.6	6.1
Acetone	7.1	9.8	17	23
Hexane	0.71	1.2	2.5	4.2
Heptane	0.71	0.73	2.9	3.0
Toluene	0.71	2.4	2.7	9.2
Tetrachloroethene	0.71	1.3	4.8	9.1
Ethyl Benzene	0.71	1.4	3.1	5.9
m,p-Xylene	0.71	4.8	3.1	21
o-Xylene	0.71	1.4	3.1	6.2
4-Ethyltoluene	0.71	0.87	3.5	4.3
1,2,4-Trimethylbenzene	0.71	0.91	3.5	4.5

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Client Sample ID: V12.5-Ambient

Lab ID#: 2111414-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111824**	**Date of Collection:**	**11/10/21 1:08:00 PM**
Dil. Factor:	**3.53**	**Date of Analysis:**	**11/19/21 02:07 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.8	Not Detected	8.7	Not Detected
Freon 114	1.8	Not Detected	12	Not Detected
Chloromethane	18	Not Detected	36	Not Detected
Vinyl Chloride	1.8	Not Detected	4.5	Not Detected
1,3-Butadiene	1.8	Not Detected	3.9	Not Detected
Bromomethane	18	Not Detected	68	Not Detected
Chloroethane	7.1	Not Detected	19	Not Detected
Freon 11	1.8	Not Detected	9.9	Not Detected
Ethanol	18	Not Detected	33	Not Detected
Freon 113	1.8	Not Detected	14	Not Detected
1,1-Dichloroethene	1.8	Not Detected	7.0	Not Detected
Acetone	18	Not Detected	42	Not Detected
2-Propanol	7.1	Not Detected	17	Not Detected
Carbon Disulfide	7.1	Not Detected	22	Not Detected
3-Chloropropene	7.1	Not Detected	22	Not Detected
Methylene Chloride	18	Not Detected	61	Not Detected
Methyl tert-butyl ether	7.1	Not Detected	25	Not Detected
trans-1,2-Dichloroethene	1.8	Not Detected	7.0	Not Detected
Hexane	1.8	Not Detected	6.2	Not Detected
1,1-Dichloroethane	1.8	Not Detected	7.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	7.1	Not Detected	21	Not Detected
cis-1,2-Dichloroethene	1.8	Not Detected	7.0	Not Detected
Tetrahydrofuran	1.8	Not Detected	5.2	Not Detected
Chloroform	1.8	Not Detected	8.6	Not Detected
1,1,1-Trichloroethane	1.8	Not Detected	9.6	Not Detected
Cyclohexane	1.8	Not Detected	6.1	Not Detected
Carbon Tetrachloride	1.8	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	1.8	Not Detected	8.2	Not Detected
Benzene	1.8	Not Detected	5.6	Not Detected
1,2-Dichloroethane	1.8	Not Detected	7.1	Not Detected
Heptane	1.8	Not Detected	7.2	Not Detected
Trichloroethene	1.8	Not Detected	9.5	Not Detected
1,2-Dichloropropane	1.8	Not Detected	8.2	Not Detected
1,4-Dioxane	7.1	Not Detected	25	Not Detected
Bromodichloromethane	1.8	Not Detected	12	Not Detected
cis-1,3-Dichloropropene	1.8	Not Detected	8.0	Not Detected
4-Methyl-2-pentanone	1.8	Not Detected	7.2	Not Detected
Toluene	1.8	Not Detected	6.6	Not Detected
trans-1,3-Dichloropropene	1.8	Not Detected	8.0	Not Detected
1,1,2-Trichloroethane	1.8	Not Detected	9.6	Not Detected
Tetrachloroethene	1.8	Not Detected	12	Not Detected
2-Hexanone	7.1	Not Detected	29	Not Detected

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Client Sample ID: V12.5-Ambient

Lab ID#: 2111414-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111824**	**Date of Collection:**	**11/10/21 1:08:00 PM**
Dil. Factor:	**3.53**	**Date of Analysis:**	**11/19/21 02:07 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.8	Not Detected	15	Not Detected
1,2-Dibromoethane (EDB)	1.8	Not Detected	14	Not Detected
Chlorobenzene	1.8	Not Detected	8.1	Not Detected
Ethyl Benzene	1.8	Not Detected	7.7	Not Detected
m,p-Xylene	1.8	Not Detected	7.7	Not Detected
o-Xylene	1.8	Not Detected	7.7	Not Detected
Styrene	1.8	Not Detected	7.5	Not Detected
Bromoform	1.8	Not Detected	18	Not Detected
Cumene	1.8	Not Detected	8.7	Not Detected
1,1,2,2-Tetrachloroethane	1.8	Not Detected	12	Not Detected
Propylbenzene	1.8	Not Detected	8.7	Not Detected
4-Ethyltoluene	1.8	Not Detected	8.7	Not Detected
1,3,5-Trimethylbenzene	1.8	Not Detected	8.7	Not Detected
1,2,4-Trimethylbenzene	1.8	Not Detected	8.7	Not Detected
1,3-Dichlorobenzene	1.8	Not Detected	11	Not Detected
1,4-Dichlorobenzene	1.8	Not Detected	11	Not Detected
alpha-Chlorotoluene	1.8	Not Detected	9.1	Not Detected
1,2-Dichlorobenzene	1.8	Not Detected	11	Not Detected
1,2,4-Trichlorobenzene	7.1	Not Detected	52	Not Detected
Hexachlorobutadiene	7.1	Not Detected	75	Not Detected

Container Type: 6 Liter Summa Canister (Ambient)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: V12.5-04

Lab ID#: 2111414-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111825**	**Date of Collection:**	**11/10/21 3:00:00 PM**
Dil. Factor:	**1.32**	**Date of Analysis:**	**11/19/21 02:34 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.66	Not Detected	3.3	Not Detected
Freon 114	0.66	Not Detected	4.6	Not Detected
Chloromethane	6.6	Not Detected	14	Not Detected
Vinyl Chloride	0.66	Not Detected	1.7	Not Detected
1,3-Butadiene	0.66	1.8	1.5	4.0
Bromomethane	6.6	Not Detected	26	Not Detected
Chloroethane	2.6	Not Detected	7.0	Not Detected
Freon 11	0.66	Not Detected	3.7	Not Detected
Ethanol	6.6	Not Detected	12	Not Detected
Freon 113	0.66	Not Detected	5.0	Not Detected
1,1-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Acetone	6.6	7.5	16	18
2-Propanol	2.6	Not Detected	6.5	Not Detected
Carbon Disulfide	2.6	Not Detected	8.2	Not Detected
3-Chloropropene	2.6	Not Detected	8.3	Not Detected
Methylene Chloride	6.6	Not Detected	23	Not Detected
Methyl tert-butyl ether	2.6	Not Detected	9.5	Not Detected
trans-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Hexane	0.66	Not Detected	2.3	Not Detected
1,1-Dichloroethane	0.66	Not Detected	2.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.6	Not Detected	7.8	Not Detected
cis-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.66	Not Detected	1.9	Not Detected
Chloroform	0.66	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Cyclohexane	0.66	Not Detected	2.3	Not Detected
Carbon Tetrachloride	0.66	Not Detected	4.2	Not Detected
2,2,4-Trimethylpentane	0.66	Not Detected	3.1	Not Detected
Benzene	0.66	Not Detected	2.1	Not Detected
1,2-Dichloroethane	0.66	Not Detected	2.7	Not Detected
Heptane	0.66	Not Detected	2.7	Not Detected
Trichloroethene	0.66	Not Detected	3.5	Not Detected
1,2-Dichloropropane	0.66	Not Detected	3.0	Not Detected
1,4-Dioxane	2.6	Not Detected	9.5	Not Detected
Bromodichloromethane	0.66	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
4-Methyl-2-pentanone	0.66	Not Detected	2.7	Not Detected
Toluene	0.66	2.0	2.5	7.4
trans-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Tetrachloroethene	0.66	1.1	4.5	7.5
2-Hexanone	2.6	Not Detected	11	Not Detected

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Client Sample ID: V12.5-04

Lab ID#: 2111414-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111825**	**Date of Collection: 11/10/21 3:00:00 PM**	
Dil. Factor:	**1.32**	**Date of Analysis: 11/19/21 02:34 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.66	Not Detected	5.6	Not Detected
1,2-Dibromoethane (EDB)	0.66	Not Detected	5.1	Not Detected
Chlorobenzene	0.66	Not Detected	3.0	Not Detected
Ethyl Benzene	0.66	1.0	2.9	4.5
m,p-Xylene	0.66	3.4	2.9	15
o-Xylene	0.66	1.1	2.9	4.8
Styrene	0.66	Not Detected	2.8	Not Detected
Bromoform	0.66	Not Detected	6.8	Not Detected
Cumene	0.66	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.66	Not Detected	4.5	Not Detected
Propylbenzene	0.66	Not Detected	3.2	Not Detected
4-Ethyltoluene	0.66	Not Detected	3.2	Not Detected
1,3,5-Trimethylbenzene	0.66	Not Detected	3.2	Not Detected
1,2,4-Trimethylbenzene	0.66	0.67	3.2	3.3
1,3-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
1,4-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
alpha-Chlorotoluene	0.66	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
1,2,4-Trichlorobenzene	2.6	Not Detected	20	Not Detected
Hexachlorobutadiene	2.6	Not Detected	28	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: V12.5-05

Lab ID#: 2111414-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111828**	**Date of Collection:**	**11/10/21 3:25:00 PM**
Dil. Factor:	**1.42**	**Date of Analysis:**	**11/19/21 08:01 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.71	Not Detected	3.5	Not Detected
Freon 114	0.71	Not Detected	5.0	Not Detected
Chloromethane	7.1	Not Detected	15	Not Detected
Vinyl Chloride	0.71	Not Detected	1.8	Not Detected
1,3-Butadiene	0.71	2.8	1.6	6.1
Bromomethane	7.1	Not Detected	28	Not Detected
Chloroethane	2.8	Not Detected	7.5	Not Detected
Freon 11	0.71	Not Detected	4.0	Not Detected
Ethanol	7.1	Not Detected	13	Not Detected
Freon 113	0.71	Not Detected	5.4	Not Detected
1,1-Dichloroethene	0.71	Not Detected	2.8	Not Detected
Acetone	7.1	9.8	17	23
2-Propanol	2.8	Not Detected	7.0	Not Detected
Carbon Disulfide	2.8	Not Detected	8.8	Not Detected
3-Chloropropene	2.8	Not Detected	8.9	Not Detected
Methylene Chloride	7.1	Not Detected	25	Not Detected
Methyl tert-butyl ether	2.8	Not Detected	10	Not Detected
trans-1,2-Dichloroethene	0.71	Not Detected	2.8	Not Detected
Hexane	0.71	1.2	2.5	4.2
1,1-Dichloroethane	0.71	Not Detected	2.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.8	Not Detected	8.4	Not Detected
cis-1,2-Dichloroethene	0.71	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.71	Not Detected	2.1	Not Detected
Chloroform	0.71	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.71	Not Detected	3.9	Not Detected
Cyclohexane	0.71	Not Detected	2.4	Not Detected
Carbon Tetrachloride	0.71	Not Detected	4.5	Not Detected
2,2,4-Trimethylpentane	0.71	Not Detected	3.3	Not Detected
Benzene	0.71	Not Detected	2.3	Not Detected
1,2-Dichloroethane	0.71	Not Detected	2.9	Not Detected
Heptane	0.71	0.73	2.9	3.0
Trichloroethene	0.71	Not Detected	3.8	Not Detected
1,2-Dichloropropane	0.71	Not Detected	3.3	Not Detected
1,4-Dioxane	2.8	Not Detected	10	Not Detected
Bromodichloromethane	0.71	Not Detected	4.8	Not Detected
cis-1,3-Dichloropropene	0.71	Not Detected	3.2	Not Detected
4-Methyl-2-pentanone	0.71	Not Detected	2.9	Not Detected
Toluene	0.71	2.4	2.7	9.2
trans-1,3-Dichloropropene	0.71	Not Detected	3.2	Not Detected
1,1,2-Trichloroethane	0.71	Not Detected	3.9	Not Detected
Tetrachloroethene	0.71	1.3	4.8	9.1
2-Hexanone	2.8	Not Detected	12	Not Detected

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Client Sample ID: V12.5-05

Lab ID#: 2111414-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111828**	**Date of Collection: 11/10/21 3:25:00 PM**	
Dil. Factor:	**1.42**	**Date of Analysis: 11/19/21 08:01 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.71	Not Detected	6.0	Not Detected
1,2-Dibromoethane (EDB)	0.71	Not Detected	5.4	Not Detected
Chlorobenzene	0.71	Not Detected	3.3	Not Detected
Ethyl Benzene	0.71	1.4	3.1	5.9
m,p-Xylene	0.71	4.8	3.1	21
o-Xylene	0.71	1.4	3.1	6.2
Styrene	0.71	Not Detected	3.0	Not Detected
Bromoform	0.71	Not Detected	7.3	Not Detected
Cumene	0.71	Not Detected	3.5	Not Detected
1,1,2,2-Tetrachloroethane	0.71	Not Detected	4.9	Not Detected
Propylbenzene	0.71	Not Detected	3.5	Not Detected
4-Ethyltoluene	0.71	0.87	3.5	4.3
1,3,5-Trimethylbenzene	0.71	Not Detected	3.5	Not Detected
1,2,4-Trimethylbenzene	0.71	0.91	3.5	4.5
1,3-Dichlorobenzene	0.71	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.71	Not Detected	4.3	Not Detected
alpha-Chlorotoluene	0.71	Not Detected	3.7	Not Detected
1,2-Dichlorobenzene	0.71	Not Detected	4.3	Not Detected
1,2,4-Trichlorobenzene	2.8	Not Detected	21	Not Detected
Hexachlorobutadiene	2.8	Not Detected	30	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2111414-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/18/21 01:42 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2111414-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/18/21 01:42 PM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: CCV

Lab ID#: 2111414-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111802**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 11/18/21 10:30 AM**

Compound	%Recovery
Freon 12	114
Freon 114	109
Chloromethane	108
Vinyl Chloride	109
1,3-Butadiene	108
Bromomethane	114
Chloroethane	110
Freon 11	114
Ethanol	112
Freon 113	101
1,1-Dichloroethene	112
Acetone	109
2-Propanol	111
Carbon Disulfide	106
3-Chloropropene	107
Methylene Chloride	111
Methyl tert-butyl ether	102
trans-1,2-Dichloroethene	107
Hexane	106
1,1-Dichloroethane	111
2-Butanone (Methyl Ethyl Ketone)	99
cis-1,2-Dichloroethene	104
Tetrahydrofuran	107
Chloroform	109
1,1,1-Trichloroethane	107
Cyclohexane	98
Carbon Tetrachloride	106
2,2,4-Trimethylpentane	100
Benzene	98
1,2-Dichloroethane	115
Heptane	98
Trichloroethene	105
1,2-Dichloropropane	94
1,4-Dioxane	94
Bromodichloromethane	106
cis-1,3-Dichloropropene	99
4-Methyl-2-pentanone	92
Toluene	96
trans-1,3-Dichloropropene	102
1,1,2-Trichloroethane	96
Tetrachloroethene	100
2-Hexanone	89

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Client Sample ID: CCV

Lab ID#: 2111414-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/18/21 10:30 AM**	

Compound	%Recovery
Dibromochloromethane	107
1,2-Dibromoethane (EDB)	100
Chlorobenzene	96
Ethyl Benzene	96
m,p-Xylene	96
o-Xylene	99
Styrene	100
Bromoform	107
Cumene	98
1,1,2,2-Tetrachloroethane	93
Propylbenzene	98
4-Ethyltoluene	100
1,3,5-Trimethylbenzene	99
1,2,4-Trimethylbenzene	97
1,3-Dichlorobenzene	96
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	93
1,2-Dichlorobenzene	97
1,2,4-Trichlorobenzene	90
Hexachlorobutadiene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCS

Lab ID#: 2111414-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/18/21 10:55 AM**	

Compound	%Recovery	Method Limits
Freon 12	103	70-130
Freon 114	98	70-130
Chloromethane	103	70-130
Vinyl Chloride	102	70-130
1,3-Butadiene	102	70-130
Bromomethane	105	70-130
Chloroethane	103	70-130
Freon 11	104	70-130
Ethanol	93	70-130
Freon 113	95	70-130
1,1-Dichloroethene	105	70-130
Acetone	103	70-130
2-Propanol	112	70-130
Carbon Disulfide	99	70-130
3-Chloropropene	99	70-130
Methylene Chloride	101	70-130
Methyl tert-butyl ether	98	70-130
trans-1,2-Dichloroethene	102	70-130
Hexane	99	70-130
1,1-Dichloroethane	102	70-130
2-Butanone (Methyl Ethyl Ketone)	93	70-130
cis-1,2-Dichloroethene	98	70-130
Tetrahydrofuran	99	70-130
Chloroform	101	70-130
1,1,1-Trichloroethane	103	70-130
Cyclohexane	94	70-130
Carbon Tetrachloride	100	70-130
2,2,4-Trimethylpentane	95	70-130
Benzene	94	70-130
1,2-Dichloroethane	108	70-130
Heptane	94	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	92	70-130
1,4-Dioxane	94	70-130
Bromodichloromethane	100	70-130
cis-1,3-Dichloropropene	94	70-130
4-Methyl-2-pentanone	92	70-130
Toluene	92	70-130
trans-1,3-Dichloropropene	102	70-130
1,1,2-Trichloroethane	94	70-130
Tetrachloroethene	98	70-130
2-Hexanone	94	70-130

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Client Sample ID: LCS

Lab ID#: 2111414-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/18/21 10:55 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	103	70-130
1,2-Dibromoethane (EDB)	100	70-130
Chlorobenzene	96	70-130
Ethyl Benzene	97	70-130
m,p-Xylene	98	70-130
o-Xylene	98	70-130
Styrene	100	70-130
Bromoform	107	70-130
Cumene	97	70-130
1,1,2,2-Tetrachloroethane	94	70-130
Propylbenzene	98	70-130
4-Ethyltoluene	101	70-130
1,3,5-Trimethylbenzene	97	70-130
1,2,4-Trimethylbenzene	100	70-130
1,3-Dichlorobenzene	98	70-130
1,4-Dichlorobenzene	99	70-130
alpha-Chlorotoluene	104	70-130
1,2-Dichlorobenzene	98	70-130
1,2,4-Trichlorobenzene	99	70-130
Hexachlorobutadiene	102	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCSD

Lab ID#: 2111414-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/18/21 11:20 AM**	

Compound	%Recovery	Method Limits
Freon 12	103	70-130
Freon 114	99	70-130
Chloromethane	106	70-130
Vinyl Chloride	104	70-130
1,3-Butadiene	102	70-130
Bromomethane	105	70-130
Chloroethane	105	70-130
Freon 11	104	70-130
Ethanol	98	70-130
Freon 113	96	70-130
1,1-Dichloroethene	106	70-130
Acetone	102	70-130
2-Propanol	112	70-130
Carbon Disulfide	100	70-130
3-Chloropropene	99	70-130
Methylene Chloride	103	70-130
Methyl tert-butyl ether	98	70-130
trans-1,2-Dichloroethene	103	70-130
Hexane	101	70-130
1,1-Dichloroethane	103	70-130
2-Butanone (Methyl Ethyl Ketone)	97	70-130
cis-1,2-Dichloroethene	101	70-130
Tetrahydrofuran	100	70-130
Chloroform	101	70-130
1,1,1-Trichloroethane	101	70-130
Cyclohexane	96	70-130
Carbon Tetrachloride	100	70-130
2,2,4-Trimethylpentane	96	70-130
Benzene	95	70-130
1,2-Dichloroethane	108	70-130
Heptane	96	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	94	70-130
1,4-Dioxane	95	70-130
Bromodichloromethane	102	70-130
cis-1,3-Dichloropropene	97	70-130
4-Methyl-2-pentanone	94	70-130
Toluene	93	70-130
trans-1,3-Dichloropropene	101	70-130
1,1,2-Trichloroethane	94	70-130
Tetrachloroethene	98	70-130
2-Hexanone	94	70-130

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Client Sample ID: LCSD

Lab ID#: 2111414-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a111804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/18/21 11:20 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	105	70-130
1,2-Dibromoethane (EDB)	99	70-130
Chlorobenzene	97	70-130
Ethyl Benzene	97	70-130
m,p-Xylene	99	70-130
o-Xylene	100	70-130
Styrene	101	70-130
Bromoform	108	70-130
Cumene	97	70-130
1,1,2,2-Tetrachloroethane	94	70-130
Propylbenzene	99	70-130
4-Ethyltoluene	96	70-130
1,3,5-Trimethylbenzene	102	70-130
1,2,4-Trimethylbenzene	101	70-130
1,3-Dichlorobenzene	98	70-130
1,4-Dichlorobenzene	98	70-130
alpha-Chlorotoluene	104	70-130
1,2-Dichlorobenzene	98	70-130
1,2,4-Trichlorobenzene	107	70-130
Hexachlorobutadiene	108	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	102	70-130

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: ~~2111414~~

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

page--of ---

Client: HDR, Inc.
Project Name: Simplot Grower Solutions Phase 2.5
Project Manager: Monica Tran Project # 10302081
Sampler: B. Duarte
Site Name: Sunnyside, WA

Special Instructions/Notes:

Turnaround Time (Rush surcharges may apply)
Standard ✓ Rush _____(specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	EPA TO-15			
01A	V12.5-Ambient	N5210	—	11/10/21	1304	11/10/21	1308	29.5	5			X			
02A	V12.5-04	00892	—	11/10/21	1450	11/10/21	1500	30	5			X			
03A	V12.5-05	SIM055	—	11/10/21	1518	11/10/21	1525	30	5			X			

Relinquished by: (Signature/Affiliation) HDR	Date 11/11/21	Time 1500	Received by: (Signature/Affiliation) GATE	Date 11-13-21	Time 815
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time

Lab Use Only

Shipper Name: Fed Ex | Custody Seals Intact? | Yes | No | (None)

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

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11/22/2021
Ms. Brittany Duarte
HDR, Inc.
4401 West Gate Blvd
Suite 400
Austin TX 78745

Project Name: Simplot Grower Solutions Phase 2.5
Project #: 10302086
Workorder #: 2111413

Dear Ms. Brittany Duarte

The following report includes the data for the above referenced project for sample(s) received on 11/15/2021 at Eurofins Air Toxics LLC.

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

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

Regards,

Monica Tran

Project Manager

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WORK ORDER #: 2111413

Work Order Summary

CLIENT:	Ms. Brittany Duarte HDR, Inc. 4401 West Gate Blvd Suite 400 Austin, TX 78745	**BILL TO:**	Accounts Payable HDR, Inc. 412 E. Parkcenter Blvd Suite 100 Boise, ID 83706
PHONE:	512-912-5100	**P.O. #**	10302086
FAX:	512-912-5158	**PROJECT #**	10302086 Simplot Grower Solutions Phase 2.5
DATE RECEIVED:	11/15/2021	**CONTACT:**	Monica Tran
DATE COMPLETED:	11/20/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	V12.5-01	TO-15	4.3 "Hg	1.9 psi
02A	V12.5-02	TO-15	4.1 "Hg	1.9 psi
03A	V12.5-03	TO-15	4.3 "Hg	1.9 psi
04A	V12.5-20	TO-15	5.1 "Hg	1.9 psi
05A	Lab Blank	TO-15	NA	NA
06A	CCV	TO-15	NA	NA
07A	LCS	TO-15	NA	NA
07AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 11/20/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
EPA Method TO-15
HDR, Inc.
Workorder# 2111413

Three 6 Liter Summa Canister and one 6 Liter Summa Canister (Ambient) samples were received on November 15, 2021. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

The reported result for 4-Ethyltoluene in samples V12.5-02 and V12.5-03 may be biased high due to co-elution with a non target compound with similar characteristic ions. Both the primary and secondary ion for 4-Ethyltoluene exhibited potential interference.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

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

N - The identification is based on presumptive evidence.

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

CN - See Case Narrative.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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

Client Sample ID: V12.5-01

Lab ID#: 2111413-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.66	4.6	1.5	10
Acetone	6.6	14	16	33
2-Butanone (Methyl Ethyl Ketone)	2.6	3.2	7.8	9.3
Benzene	0.66	0.69	2.1	2.2
Toluene	0.66	0.99	2.5	3.7
m,p-Xylene	0.66	1.0	2.9	4.5

Client Sample ID: V12.5-02

Lab ID#: 2111413-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.66	2.0	1.4	4.6
Acetone	6.6	8.5	16	20
Benzene	0.66	0.72	2.1	2.3
Toluene	0.66	3.2	2.5	12
Tetrachloroethene	0.66	1.6	4.4	11
Ethyl Benzene	0.66	1.3	2.8	5.6
m,p-Xylene	0.66	5.1	2.8	22
o-Xylene	0.66	1.4	2.8	6.3
4-Ethyltoluene	0.66	0.84	3.2	4.1
1,2,4-Trimethylbenzene	0.66	0.90	3.2	4.4

Client Sample ID: V12.5-03

Lab ID#: 2111413-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.66	1.2	1.5	2.6
Acetone	6.6	18	16	42
Benzene	0.66	0.66	2.1	2.1
Toluene	0.66	3.3	2.5	13
Tetrachloroethene	0.66	1.7	4.5	12
Ethyl Benzene	0.66	1.4	2.9	6.1
m,p-Xylene	0.66	5.3	2.9	23

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

Client Sample ID: V12.5-03

Lab ID#: 2111413-03A

o-Xylene	0.66	1.6	2.9	7.1
4-Ethyltoluene	0.66	0.84	3.2	4.1
1,2,4-Trimethylbenzene	0.66	0.92	3.2	4.5

Client Sample ID: V12.5-20

Lab ID#: 2111413-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.68	1.3	1.5	2.9
Acetone	6.8	14	16	34
Benzene	0.68	0.69	2.2	2.2
Toluene	0.68	3.2	2.6	12
Tetrachloroethene	0.68	1.8	4.6	12
Ethyl Benzene	0.68	1.4	3.0	6.0
m,p-Xylene	0.68	5.2	3.0	23
o-Xylene	0.68	1.6	3.0	6.8
1,2,4-Trimethylbenzene	0.68	0.88	3.3	4.3

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Client Sample ID: V12.5-01

Lab ID#: 2111413-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111917**	**Date of Collection:**	**11/10/21 1:12:00 PM**
Dil. Factor:	**1.32**	**Date of Analysis:**	**11/19/21 09:36 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.66	Not Detected	3.3	Not Detected
Freon 114	0.66	Not Detected	4.6	Not Detected
Chloromethane	6.6	Not Detected	14	Not Detected
Vinyl Chloride	0.66	Not Detected	1.7	Not Detected
1,3-Butadiene	0.66	4.6	1.5	10
Bromomethane	6.6	Not Detected	26	Not Detected
Chloroethane	2.6	Not Detected	7.0	Not Detected
Freon 11	0.66	Not Detected	3.7	Not Detected
Ethanol	6.6	Not Detected	12	Not Detected
Freon 113	0.66	Not Detected	5.0	Not Detected
1,1-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Acetone	6.6	14	16	33
2-Propanol	2.6	Not Detected	6.5	Not Detected
Carbon Disulfide	2.6	Not Detected	8.2	Not Detected
3-Chloropropene	2.6	Not Detected	8.3	Not Detected
Methylene Chloride	6.6	Not Detected	23	Not Detected
Methyl tert-butyl ether	2.6	Not Detected	9.5	Not Detected
trans-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Hexane	0.66	Not Detected	2.3	Not Detected
1,1-Dichloroethane	0.66	Not Detected	2.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.6	3.2	7.8	9.3
cis-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.66	Not Detected	1.9	Not Detected
Chloroform	0.66	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Cyclohexane	0.66	Not Detected	2.3	Not Detected
Carbon Tetrachloride	0.66	Not Detected	4.2	Not Detected
2,2,4-Trimethylpentane	0.66	Not Detected	3.1	Not Detected
Benzene	0.66	0.69	2.1	2.2
1,2-Dichloroethane	0.66	Not Detected	2.7	Not Detected
Heptane	0.66	Not Detected	2.7	Not Detected
Trichloroethene	0.66	Not Detected	3.5	Not Detected
1,2-Dichloropropane	0.66	Not Detected	3.0	Not Detected
1,4-Dioxane	2.6	Not Detected	9.5	Not Detected
Bromodichloromethane	0.66	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
4-Methyl-2-pentanone	0.66	Not Detected	2.7	Not Detected
Toluene	0.66	0.99	2.5	3.7
trans-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Tetrachloroethene	0.66	Not Detected	4.5	Not Detected
2-Hexanone	2.6	Not Detected	11	Not Detected

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Client Sample ID: V12.5-01

Lab ID#: 2111413-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111917**	**Date of Collection:**	**11/10/21 1:12:00 PM**
Dil. Factor:	**1.32**	**Date of Analysis:**	**11/19/21 09:36 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.66	Not Detected	5.6	Not Detected
1,2-Dibromoethane (EDB)	0.66	Not Detected	5.1	Not Detected
Chlorobenzene	0.66	Not Detected	3.0	Not Detected
Ethyl Benzene	0.66	Not Detected	2.9	Not Detected
m,p-Xylene	0.66	1.0	2.9	4.5
o-Xylene	0.66	Not Detected	2.9	Not Detected
Styrene	0.66	Not Detected	2.8	Not Detected
Bromoform	0.66	Not Detected	6.8	Not Detected
Cumene	0.66	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.66	Not Detected	4.5	Not Detected
Propylbenzene	0.66	Not Detected	3.2	Not Detected
4-Ethyltoluene	0.66	Not Detected	3.2	Not Detected
1,3,5-Trimethylbenzene	0.66	Not Detected	3.2	Not Detected
1,2,4-Trimethylbenzene	0.66	Not Detected	3.2	Not Detected
1,3-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
1,4-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
alpha-Chlorotoluene	0.66	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
1,2,4-Trichlorobenzene	2.6	Not Detected	20	Not Detected
Hexachlorobutadiene	2.6	Not Detected	28	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: V12.5-02

Lab ID#: 2111413-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111918**	**Date of Collection:**	**11/10/21 1:30:00 AM**
Dil. Factor:	**1.31**	**Date of Analysis:**	**11/19/21 10:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.66	Not Detected	3.2	Not Detected
Freon 114	0.66	Not Detected	4.6	Not Detected
Chloromethane	6.6	Not Detected	14	Not Detected
Vinyl Chloride	0.66	Not Detected	1.7	Not Detected
1,3-Butadiene	0.66	2.0	1.4	4.6
Bromomethane	6.6	Not Detected	25	Not Detected
Chloroethane	2.6	Not Detected	6.9	Not Detected
Freon 11	0.66	Not Detected	3.7	Not Detected
Ethanol	6.6	Not Detected	12	Not Detected
Freon 113	0.66	Not Detected	5.0	Not Detected
1,1-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Acetone	6.6	8.5	16	20
2-Propanol	2.6	Not Detected	6.4	Not Detected
Carbon Disulfide	2.6	Not Detected	8.2	Not Detected
3-Chloropropene	2.6	Not Detected	8.2	Not Detected
Methylene Chloride	6.6	Not Detected	23	Not Detected
Methyl tert-butyl ether	2.6	Not Detected	9.4	Not Detected
trans-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Hexane	0.66	Not Detected	2.3	Not Detected
1,1-Dichloroethane	0.66	Not Detected	2.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.6	Not Detected	7.7	Not Detected
cis-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.66	Not Detected	1.9	Not Detected
Chloroform	0.66	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Cyclohexane	0.66	Not Detected	2.2	Not Detected
Carbon Tetrachloride	0.66	Not Detected	4.1	Not Detected
2,2,4-Trimethylpentane	0.66	Not Detected	3.0	Not Detected
Benzene	0.66	0.72	2.1	2.3
1,2-Dichloroethane	0.66	Not Detected	2.6	Not Detected
Heptane	0.66	Not Detected	2.7	Not Detected
Trichloroethene	0.66	Not Detected	3.5	Not Detected
1,2-Dichloropropane	0.66	Not Detected	3.0	Not Detected
1,4-Dioxane	2.6	Not Detected	9.4	Not Detected
Bromodichloromethane	0.66	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
4-Methyl-2-pentanone	0.66	Not Detected	2.7	Not Detected
Toluene	0.66	3.2	2.5	12
trans-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Tetrachloroethene	0.66	1.6	4.4	11
2-Hexanone	2.6	Not Detected	11	Not Detected

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Client Sample ID: V12.5-02

Lab ID#: 2111413-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111918**	**Date of Collection:**	**11/10/21 1:30:00 AM**
Dil. Factor:	**1.31**	**Date of Analysis:**	**11/19/21 10:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.66	Not Detected	5.6	Not Detected
1,2-Dibromoethane (EDB)	0.66	Not Detected	5.0	Not Detected
Chlorobenzene	0.66	Not Detected	3.0	Not Detected
Ethyl Benzene	0.66	1.3	2.8	5.6
m,p-Xylene	0.66	5.1	2.8	22
o-Xylene	0.66	1.4	2.8	6.3
Styrene	0.66	Not Detected	2.8	Not Detected
Bromoform	0.66	Not Detected	6.8	Not Detected
Cumene	0.66	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.66	Not Detected	4.5	Not Detected
Propylbenzene	0.66	Not Detected	3.2	Not Detected
4-Ethyltoluene	0.66	0.84	3.2	4.1
1,3,5-Trimethylbenzene	0.66	Not Detected	3.2	Not Detected
1,2,4-Trimethylbenzene	0.66	0.90	3.2	4.4
1,3-Dichlorobenzene	0.66	Not Detected	3.9	Not Detected
1,4-Dichlorobenzene	0.66	Not Detected	3.9	Not Detected
alpha-Chlorotoluene	0.66	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.66	Not Detected	3.9	Not Detected
1,2,4-Trichlorobenzene	2.6	Not Detected	19	Not Detected
Hexachlorobutadiene	2.6	Not Detected	28	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: V12.5-03

Lab ID#: 2111413-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111919**	**Date of Collection:**	**11/10/21 2:27:00 PM**
Dil. Factor:	**1.32**	**Date of Analysis:**	**11/19/21 10:41 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.66	Not Detected	3.3	Not Detected
Freon 114	0.66	Not Detected	4.6	Not Detected
Chloromethane	6.6	Not Detected	14	Not Detected
Vinyl Chloride	0.66	Not Detected	1.7	Not Detected
1,3-Butadiene	0.66	1.2	1.5	2.6
Bromomethane	6.6	Not Detected	26	Not Detected
Chloroethane	2.6	Not Detected	7.0	Not Detected
Freon 11	0.66	Not Detected	3.7	Not Detected
Ethanol	6.6	Not Detected	12	Not Detected
Freon 113	0.66	Not Detected	5.0	Not Detected
1,1-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Acetone	6.6	18	16	42
2-Propanol	2.6	Not Detected	6.5	Not Detected
Carbon Disulfide	2.6	Not Detected	8.2	Not Detected
3-Chloropropene	2.6	Not Detected	8.3	Not Detected
Methylene Chloride	6.6	Not Detected	23	Not Detected
Methyl tert-butyl ether	2.6	Not Detected	9.5	Not Detected
trans-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Hexane	0.66	Not Detected	2.3	Not Detected
1,1-Dichloroethane	0.66	Not Detected	2.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.6	Not Detected	7.8	Not Detected
cis-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.66	Not Detected	1.9	Not Detected
Chloroform	0.66	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Cyclohexane	0.66	Not Detected	2.3	Not Detected
Carbon Tetrachloride	0.66	Not Detected	4.2	Not Detected
2,2,4-Trimethylpentane	0.66	Not Detected	3.1	Not Detected
Benzene	0.66	0.66	2.1	2.1
1,2-Dichloroethane	0.66	Not Detected	2.7	Not Detected
Heptane	0.66	Not Detected	2.7	Not Detected
Trichloroethene	0.66	Not Detected	3.5	Not Detected
1,2-Dichloropropane	0.66	Not Detected	3.0	Not Detected
1,4-Dioxane	2.6	Not Detected	9.5	Not Detected
Bromodichloromethane	0.66	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
4-Methyl-2-pentanone	0.66	Not Detected	2.7	Not Detected
Toluene	0.66	3.3	2.5	13
trans-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Tetrachloroethene	0.66	1.7	4.5	12
2-Hexanone	2.6	Not Detected	11	Not Detected

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Client Sample ID: V12.5-03

Lab ID#: 2111413-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111919**	**Date of Collection:**	**11/10/21 2:27:00 PM**
Dil. Factor:	**1.32**	**Date of Analysis:**	**11/19/21 10:41 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.66	Not Detected	5.6	Not Detected
1,2-Dibromoethane (EDB)	0.66	Not Detected	5.1	Not Detected
Chlorobenzene	0.66	Not Detected	3.0	Not Detected
Ethyl Benzene	0.66	1.4	2.9	6.1
m,p-Xylene	0.66	5.3	2.9	23
o-Xylene	0.66	1.6	2.9	7.1
Styrene	0.66	Not Detected	2.8	Not Detected
Bromoform	0.66	Not Detected	6.8	Not Detected
Cumene	0.66	Not Detected	3.2	Not Detected
1,1,2,2-Tetrachloroethane	0.66	Not Detected	4.5	Not Detected
Propylbenzene	0.66	Not Detected	3.2	Not Detected
4-Ethyltoluene	0.66	0.84	3.2	4.1
1,3,5-Trimethylbenzene	0.66	Not Detected	3.2	Not Detected
1,2,4-Trimethylbenzene	0.66	0.92	3.2	4.5
1,3-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
1,4-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
alpha-Chlorotoluene	0.66	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
1,2,4-Trichlorobenzene	2.6	Not Detected	20	Not Detected
Hexachlorobutadiene	2.6	Not Detected	28	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: V12.5-20

Lab ID#: 2111413-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111920**	**Date of Collection:**	**11/10/21 11:10:00 A**
Dil. Factor:	**1.36**	**Date of Analysis:**	**11/19/21 11:10 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.68	Not Detected	3.4	Not Detected
Freon 114	0.68	Not Detected	4.8	Not Detected
Chloromethane	6.8	Not Detected	14	Not Detected
Vinyl Chloride	0.68	Not Detected	1.7	Not Detected
1,3-Butadiene	0.68	1.3	1.5	2.9
Bromomethane	6.8	Not Detected	26	Not Detected
Chloroethane	2.7	Not Detected	7.2	Not Detected
Freon 11	0.68	Not Detected	3.8	Not Detected
Ethanol	6.8	Not Detected	13	Not Detected
Freon 113	0.68	Not Detected	5.2	Not Detected
1,1-Dichloroethene	0.68	Not Detected	2.7	Not Detected
Acetone	6.8	14	16	34
2-Propanol	2.7	Not Detected	6.7	Not Detected
Carbon Disulfide	2.7	Not Detected	8.5	Not Detected
3-Chloropropene	2.7	Not Detected	8.5	Not Detected
Methylene Chloride	6.8	Not Detected	24	Not Detected
Methyl tert-butyl ether	2.7	Not Detected	9.8	Not Detected
trans-1,2-Dichloroethene	0.68	Not Detected	2.7	Not Detected
Hexane	0.68	Not Detected	2.4	Not Detected
1,1-Dichloroethane	0.68	Not Detected	2.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.7	Not Detected	8.0	Not Detected
cis-1,2-Dichloroethene	0.68	Not Detected	2.7	Not Detected
Tetrahydrofuran	0.68	Not Detected	2.0	Not Detected
Chloroform	0.68	Not Detected	3.3	Not Detected
1,1,1-Trichloroethane	0.68	Not Detected	3.7	Not Detected
Cyclohexane	0.68	Not Detected	2.3	Not Detected
Carbon Tetrachloride	0.68	Not Detected	4.3	Not Detected
2,2,4-Trimethylpentane	0.68	Not Detected	3.2	Not Detected
Benzene	0.68	0.69	2.2	2.2
1,2-Dichloroethane	0.68	Not Detected	2.8	Not Detected
Heptane	0.68	Not Detected	2.8	Not Detected
Trichloroethene	0.68	Not Detected	3.6	Not Detected
1,2-Dichloropropane	0.68	Not Detected	3.1	Not Detected
1,4-Dioxane	2.7	Not Detected	9.8	Not Detected
Bromodichloromethane	0.68	Not Detected	4.6	Not Detected
cis-1,3-Dichloropropene	0.68	Not Detected	3.1	Not Detected
4-Methyl-2-pentanone	0.68	Not Detected	2.8	Not Detected
Toluene	0.68	3.2	2.6	12
trans-1,3-Dichloropropene	0.68	Not Detected	3.1	Not Detected
1,1,2-Trichloroethane	0.68	Not Detected	3.7	Not Detected
Tetrachloroethene	0.68	1.8	4.6	12
2-Hexanone	2.7	Not Detected	11	Not Detected

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Client Sample ID: V12.5-20

Lab ID#: 2111413-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111920**	**Date of Collection:**	**11/10/21 11:10:00 A**
Dil. Factor:	**1.36**	**Date of Analysis:**	**11/19/21 11:10 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.68	Not Detected	5.8	Not Detected
1,2-Dibromoethane (EDB)	0.68	Not Detected	5.2	Not Detected
Chlorobenzene	0.68	Not Detected	3.1	Not Detected
Ethyl Benzene	0.68	1.4	3.0	6.0
m,p-Xylene	0.68	5.2	3.0	23
o-Xylene	0.68	1.6	3.0	6.8
Styrene	0.68	Not Detected	2.9	Not Detected
Bromoform	0.68	Not Detected	7.0	Not Detected
Cumene	0.68	Not Detected	3.3	Not Detected
1,1,2,2-Tetrachloroethane	0.68	Not Detected	4.7	Not Detected
Propylbenzene	0.68	Not Detected	3.3	Not Detected
4-Ethyltoluene	0.68	Not Detected	3.3	Not Detected
1,3,5-Trimethylbenzene	0.68	Not Detected	3.3	Not Detected
1,2,4-Trimethylbenzene	0.68	0.88	3.3	4.3
1,3-Dichlorobenzene	0.68	Not Detected	4.1	Not Detected
1,4-Dichlorobenzene	0.68	Not Detected	4.1	Not Detected
alpha-Chlorotoluene	0.68	Not Detected	3.5	Not Detected
1,2-Dichlorobenzene	0.68	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.7	Not Detected	20	Not Detected
Hexachlorobutadiene	2.7	Not Detected	29	Not Detected

Container Type: 6 Liter Summa Canister (Ambient)

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2111413-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111905**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/19/21 01:17 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2111413-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111905**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/19/21 01:17 PM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: CCV

Lab ID#: 2111413-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111902**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 11/19/21 11:41 AM**

Compound	%Recovery
Freon 12	94
Freon 114	102
Chloromethane	92
Vinyl Chloride	83
1,3-Butadiene	78
Bromomethane	91
Chloroethane	96
Freon 11	97
Ethanol	84
Freon 113	100
1,1-Dichloroethene	91
Acetone	90
2-Propanol	88
Carbon Disulfide	92
3-Chloropropene	92
Methylene Chloride	91
Methyl tert-butyl ether	92
trans-1,2-Dichloroethene	93
Hexane	89
1,1-Dichloroethane	94
2-Butanone (Methyl Ethyl Ketone)	93
cis-1,2-Dichloroethene	98
Tetrahydrofuran	84
Chloroform	94
1,1,1-Trichloroethane	91
Cyclohexane	95
Carbon Tetrachloride	98
2,2,4-Trimethylpentane	95
Benzene	96
1,2-Dichloroethane	90
Heptane	101
Trichloroethene	101
1,2-Dichloropropane	101
1,4-Dioxane	99
Bromodichloromethane	97
cis-1,3-Dichloropropene	103
4-Methyl-2-pentanone	96
Toluene	102
trans-1,3-Dichloropropene	97
1,1,2-Trichloroethane	100
Tetrachloroethene	111
2-Hexanone	97

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Client Sample ID: CCV

Lab ID#: 2111413-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/19/21 11:41 AM**	

Compound	%Recovery
Dibromochloromethane	100
1,2-Dibromoethane (EDB)	99
Chlorobenzene	100
Ethyl Benzene	101
m,p-Xylene	104
o-Xylene	102
Styrene	102
Bromoform	110
Cumene	101
1,1,2,2-Tetrachloroethane	101
Propylbenzene	102
4-Ethyltoluene	101
1,3,5-Trimethylbenzene	103
1,2,4-Trimethylbenzene	101
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	102
1,2-Dichlorobenzene	104
1,2,4-Trichlorobenzene	92
Hexachlorobutadiene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: LCS

Lab ID#: 2111413-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/19/21 12:08 PM**	

Compound	%Recovery	Method Limits
Freon 12	93	70-130
Freon 114	100	70-130
Chloromethane	90	70-130
Vinyl Chloride	88	70-130
1,3-Butadiene	80	70-130
Bromomethane	93	70-130
Chloroethane	94	70-130
Freon 11	96	70-130
Ethanol	71	70-130
Freon 113	99	70-130
1,1-Dichloroethene	89	70-130
Acetone	88	70-130
2-Propanol	89	70-130
Carbon Disulfide	90	70-130
3-Chloropropene	90	70-130
Methylene Chloride	88	70-130
Methyl tert-butyl ether	91	70-130
trans-1,2-Dichloroethene	90	70-130
Hexane	89	70-130
1,1-Dichloroethane	90	70-130
2-Butanone (Methyl Ethyl Ketone)	92	70-130
cis-1,2-Dichloroethene	96	70-130
Tetrahydrofuran	84	70-130
Chloroform	92	70-130
1,1,1-Trichloroethane	91	70-130
Cyclohexane	94	70-130
Carbon Tetrachloride	96	70-130
2,2,4-Trimethylpentane	94	70-130
Benzene	95	70-130
1,2-Dichloroethane	90	70-130
Heptane	104	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	99	70-130
1,4-Dioxane	97	70-130
Bromodichloromethane	94	70-130
cis-1,3-Dichloropropene	102	70-130
4-Methyl-2-pentanone	95	70-130
Toluene	100	70-130
trans-1,3-Dichloropropene	94	70-130
1,1,2-Trichloroethane	97	70-130
Tetrachloroethene	107	70-130
2-Hexanone	96	70-130

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Client Sample ID: LCS

Lab ID#: 2111413-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/19/21 12:08 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	98	70-130
1,2-Dibromoethane (EDB)	97	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	98	70-130
m,p-Xylene	103	70-130
o-Xylene	100	70-130
Styrene	100	70-130
Bromoform	110	70-130
Cumene	97	70-130
1,1,2,2-Tetrachloroethane	101	70-130
Propylbenzene	101	70-130
4-Ethyltoluene	101	70-130
1,3,5-Trimethylbenzene	101	70-130
1,2,4-Trimethylbenzene	102	70-130
1,3-Dichlorobenzene	105	70-130
1,4-Dichlorobenzene	106	70-130
alpha-Chlorotoluene	105	70-130
1,2-Dichlorobenzene	105	70-130
1,2,4-Trichlorobenzene	123	70-130
Hexachlorobutadiene	126	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: LCSD

Lab ID#: 2111413-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/19/21 12:36 PM**	

Compound	%Recovery	Method Limits
Freon 12	93	70-130
Freon 114	101	70-130
Chloromethane	89	70-130
Vinyl Chloride	86	70-130
1,3-Butadiene	82	70-130
Bromomethane	91	70-130
Chloroethane	95	70-130
Freon 11	96	70-130
Ethanol	72	70-130
Freon 113	100	70-130
1,1-Dichloroethene	91	70-130
Acetone	88	70-130
2-Propanol	90	70-130
Carbon Disulfide	91	70-130
3-Chloropropene	93	70-130
Methylene Chloride	88	70-130
Methyl tert-butyl ether	92	70-130
trans-1,2-Dichloroethene	92	70-130
Hexane	92	70-130
1,1-Dichloroethane	92	70-130
2-Butanone (Methyl Ethyl Ketone)	93	70-130
cis-1,2-Dichloroethene	97	70-130
Tetrahydrofuran	85	70-130
Chloroform	92	70-130
1,1,1-Trichloroethane	92	70-130
Cyclohexane	96	70-130
Carbon Tetrachloride	97	70-130
2,2,4-Trimethylpentane	96	70-130
Benzene	96	70-130
1,2-Dichloroethane	88	70-130
Heptane	105	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	99	70-130
1,4-Dioxane	96	70-130
Bromodichloromethane	94	70-130
cis-1,3-Dichloropropene	101	70-130
4-Methyl-2-pentanone	96	70-130
Toluene	99	70-130
trans-1,3-Dichloropropene	95	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	109	70-130
2-Hexanone	97	70-130

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Client Sample ID: LCSD

Lab ID#: 2111413-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3111904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/19/21 12:36 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	99	70-130
1,2-Dibromoethane (EDB)	98	70-130
Chlorobenzene	99	70-130
Ethyl Benzene	100	70-130
m,p-Xylene	105	70-130
o-Xylene	102	70-130
Styrene	100	70-130
Bromoform	111	70-130
Cumene	99	70-130
1,1,2,2-Tetrachloroethane	102	70-130
Propylbenzene	102	70-130
4-Ethyltoluene	102	70-130
1,3,5-Trimethylbenzene	103	70-130
1,2,4-Trimethylbenzene	104	70-130
1,3-Dichlorobenzene	108	70-130
1,4-Dichlorobenzene	108	70-130
alpha-Chlorotoluene	107	70-130
1,2-Dichlorobenzene	107	70-130
1,2,4-Trichlorobenzene	136 Q	70-130
Hexachlorobutadiene	138 Q	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	105	70-130

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: 2111413

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

page--of ---

Client: HDR, Inc
Project Name: Simplot Grower Solutions Phase 2.5
Project Manager: Monica Tran Project # 10302086
Sampler: B. Duarte
Site Name: Sunnyside, WA

Special Instructions/Notes:

Turnaround Time (Rush surcharges may apply)
Standard ✓ Rush _____(specify)

Lab ID	Field Sample Identification(Location)	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	EPA TO-15			
01A	V12.5-01	00167	—	11/10/21	1303	11/10/21	1312	30	5			X			
02A	V12.5-02	00678	—	11/10/21	1323	11/10/21	1330	30	5			X			
03A	V12.5-03	00000193A	—	11/10/21	1420	11/10/21	1427	30	5			X			
04A	V12.5-20	N17C62	—	11/10/21	1100	11/10/21	1110	29.5	5			X			

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] / HDR	11/11/21	1500	[signature] EPL	11.15.21	1419
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time

Lab Use Only

Shipper Name: FedEx | Custody Seals Intact? | Yes | No | None

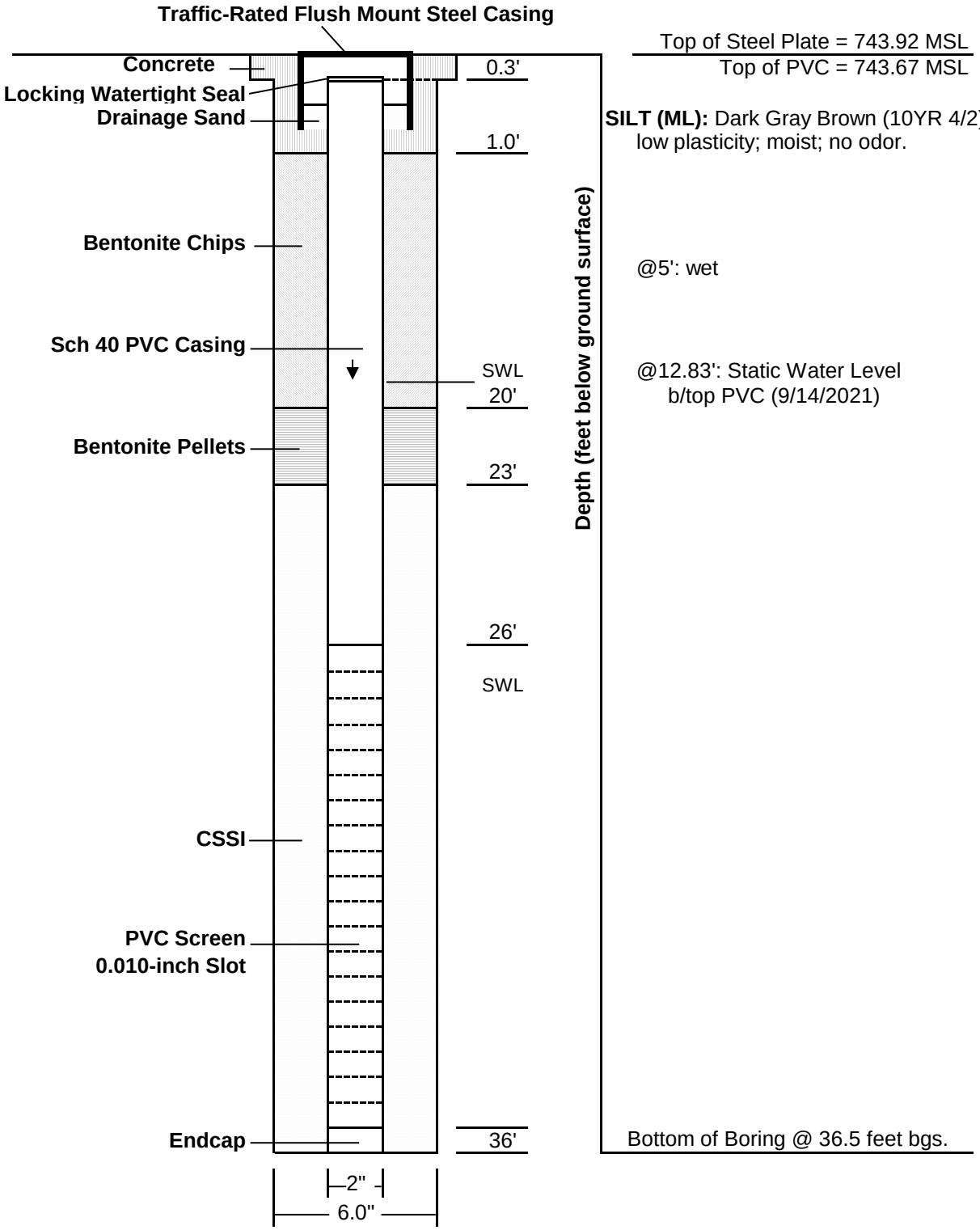
Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

D

Field Forms and Boring Logs

As-built Diagrams (July 2021)

MW-6D

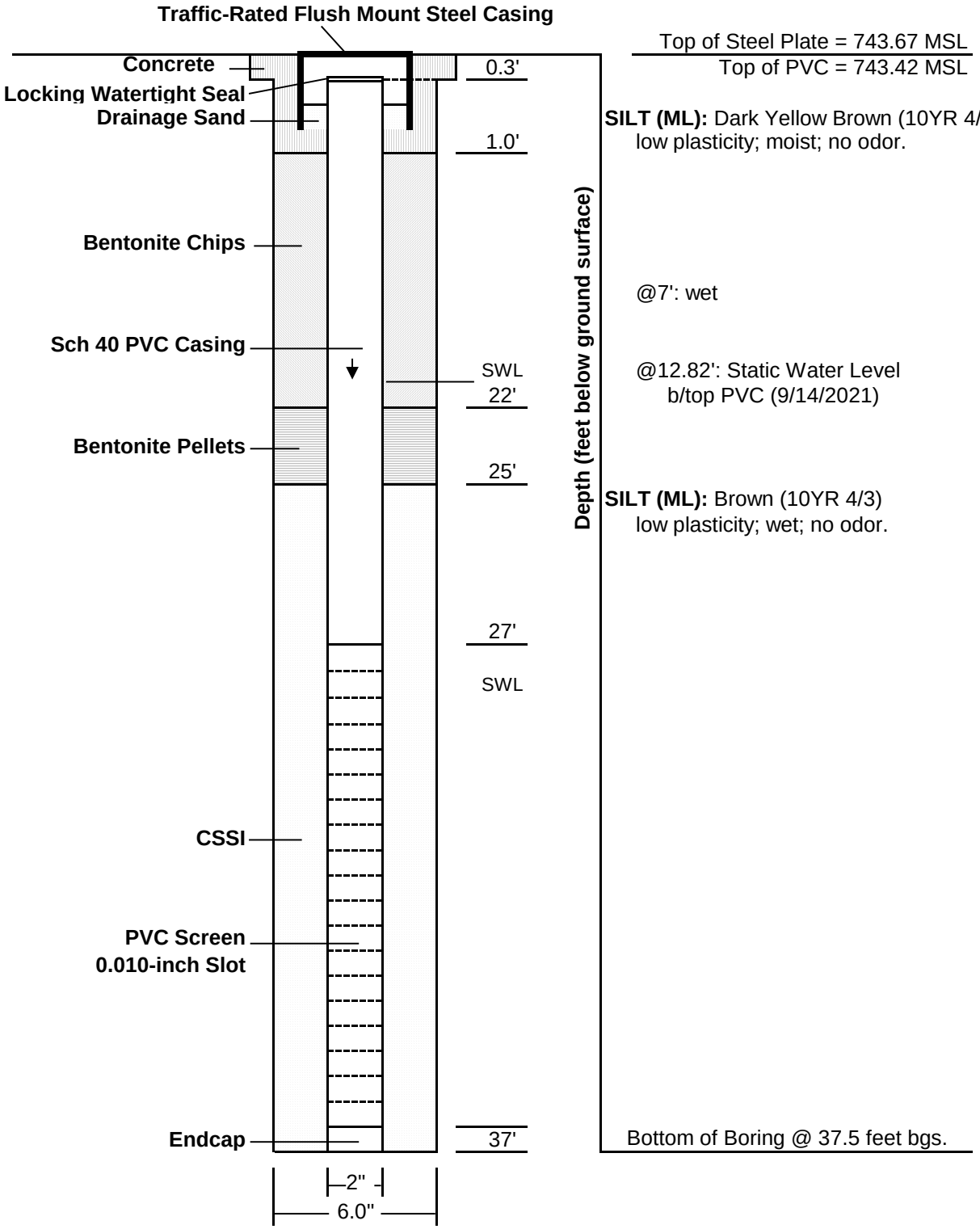


Well Tag BPA 561

Drawing not to scale

Monitoring Well Construction Log
MW - 6D
J. R. Simplot Grower Solutions, Sunnyside, WA

MW-7D



Well Tag BPA 562

Drawing not to scale

Monitoring Well Construction Log
MW - 7D
J. R. Simplot Grower Solutions, Sunnyside, WA

Monitoring Well Installation (July 2021)

HDR	PROJECT NUMBER 10302086	BORING NUMBER SHEET 1 of 2

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation MW-CeD LOCATION : 3rd St, Sunnyside, WA
ELEVATION : 743.67* DRILLING CONTRACTOR : Environmental West
DRILLING METHOD AND EQUIPMENT USED : Sonic Drill Rig
GW ELEV. : 12.45 ft bmp** START : 7/29/2021 END: 7/29/2021 LOGGER: B. Duarte

DEPTH BELOW GROUND SURFACE (feet)	INTERVAL (ft bgs)	Recovery (IN)	Graphic Description	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
0				ML; Silt; low plasticity Light brownish gray (10 YR/Ce/2) Moist	0-2 silt 2-Ce Sandy silt
5				ML; Silt; low plasticity Dark grayish brown (10 YR 4/2) Ce-~~8~~ 1' (1") of large gravel 9-10' light gray staining	~~PIDTot~~ Ce-7 gravel PID 7': 110 ppm
10				ML; Silt; Low Plasticity Dark grayish brown (10 YR 4/2) 16-17': Light gray staining	PID 12': Ce3 ppm
15				ML; Silt; low plasticity Dark grayish brown (10 YR 4/2) Red/Rust staining	PID 17': 9Ceppm
20				ML; Silt; low plasticity Dark grayish brown (10 YR 4/2) Minor light gray staining	PID 20': 4Ce.Sppm PID: 15000 ppm (error?) PID: 25 ppm (second reading
25				ML; Silt; low plasticity Dark grayish brown (10 YR 4/2)	PD: 340 ppm
30					

* Elevation measured from the top of the PVC pipe.
**bmp = below measuring point. Measuring point is the top of the pvc pipe (marked to the north).

HDR

PROJECT NUMBER	BORING NUMBER
10302086	SHEET 2 of 2

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation MW-6D LOCATION :
ELEVATION : DRILLING CONTRACTOR :
DRILLING METHOD AND EQUIPMENT USED :
GW ELEV. : START : END: LOGGER:

DEPTH BELOW GROUND SURFACE (feet)	INTERVAL (ft bgs)	Recovery (IN)	Graphic Description	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
35				ML; Silt; Low plasticity Dark grayish brown 10 YR 4/2 Light gray staining 33-35'	34': >15,000 ppm 34': 28.4 ppm (second reading) TD = 38' *Note: PID meter was not taking accurate readings – readings would not stabalize, did not pass "no flow" test. Weather was hot & sunny (100° F) & high moisture content could have messed w/ PID
40				ML; Silt; low plasticity Dark grayish brown 10 YR 4/2 Light gray stainings	
45					
50					
55					
60					

HDR

PROJECT NUMBER 10302086

BORING NUMBER MW-7D

SHEET 1 of 2

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : 3rd St, Sunnyside, WA

ELEVATION : 743.42* DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : Sonic Drill Rig

GW ELEV. : 12.88 ft bmp** START : 7/29/2021 END: 7/29/2021 LOGGER: B. Duarte

DEPTH BELOW GROUND SURFACE (feet)	INTERVAL (ft bgs)	Recovery (IN)	Graphic Description	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
0				ML, silt, non plastic Dark ~~grayish~~ yellowish brown ~~10YR4/2~~ 10YR4/4	soft drilling
5					2.2 ppm
10				ML, silt, low plasticity Dark ~~grayish~~ yellowish brown (10YR ~~4/2~~ 4/4) some large gravel	0-7': moist 7→ wet 2.4 ppm
15				ML, silt, low plasticity Dark ~~grayish~~ yellowish brown (10YR ~~4/4~~) 11-12 gravel (fine-coarse)	3.0 ppm
20				ML, silt, low plasticity Dark ~~grayish~~ yellowish brown (10YR 4/4) w/ grayish brown (staining? 10YR4/2).	4.1 ppm
25				ML, silt, low plasticity Park grayish brown (10YR 4/2) w/ reddish brown staining	4.7 ppm
30				ML, silt, low plasticity Brown (10YR 4/3)	4.6 ppm

* Elevation measured from the top of the PVC pipe.

**bmp = below measuring point. Measuring point is the top of the pvc pipe (marked to the north).

HDR

PROJECT NUMBER	BORING NUMBER
10302086	SHEET 2 of 2

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

GW ELEV. : START : END: LOGGER:

DEPTH BELOW GROUND SURFACE (feet)	INTERVAL (ft bgs)	Recovery (IN)	Graphic Description	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
35				ML, Silt, low plasticity Brown (10 YR 4/3) w/ red/rust-colored staining	~33-34 hard drilling 4.6 ppm
40				ML, Silt, low plasticity Brown (10 YR 4/3)	TD: 38' Screen set to 27-37'
45					
50					
55					
60					

Groundwater Monitoring (September 2021)

Groundwater Sampling Information

Sample ID: MW-4		**Date:** 9/14/21		
Project: Simplot Grower Solutions		Project No: ~~10017631~~ 10302086		
Location: Sunnyside WA				
Depth to Water: 9.55'		Measuring Point: TPVC		
Well Depth: 22.71'	Water Ht.: 13.16'	Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	3 inch = 0.66	
One Casing Volume (gallons): 2.11		Three Casing Volumes (gallons): 6.33		
Sampling Method: ~~Disposable Bailer~~ peristaltic pump & disposable tubing				
Sampling Equipment: ~~New disposable bailers and~~ new line				
Pump: ~~NA~~ peristaltic		Pump Intake: NA		
Decontamination: None required				

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms)	Clarity	Cumulative Volume Purged (gallons)
0.	----------	----------	----------	----------	0
1. 1339	7.07	18.61	0.000	clear	1
2. 1343	7.33	17.64	1.215	clear	2
3. 1347	7.41	17.60	1.202	clear	3
4. 1351	7.53	17.49	1.198	clear	4
5. 1355	7.56	17.45	1.150	clear	5
6. 1359	7.67	17.58	1.149	clear	6
7. 1402	7.58	17.54	1.152	clear	6.5
8.					
9.					
10.					

Sample Time: 14:04	Appearance/Odor: clear/none
Analytical Laboratory: ~~ESC in Mt. Juliet TN~~	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3 (350.1, 353.2)	
8 RCRA Metal (dissolved) (6020B), 7470A	
8011 (EDB), 8260D, 8151A, NWTPH-Dx	
Duplicate:	MS/MD:
Comments: * pH did not calibrate	
Signature:	Company: HDR

Groundwater Sampling Information

Sample ID: MW-5R		**Date:** 9/14/21	
Project: Simplot Grower Solutions		Project No: ~~10017631~~ 10203086 10302086	
Location: Sunnyside WA			
Depth to Water: 11.06 ~~9.55~~		Measuring Point: TPVC	
Well Depth: 21.60'	Water Ht.: 10.54'	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	3 inch = 0.66
One Casing Volume (gallons): 1.69		Three Casing Volumes (gallons): 5.10	
Sampling Method: ~~Disposable Bailer~~ peristaltic pump + disposable tubing			
Sampling Equipment: ~~New disposable bailers and~~ new line			
Pump: ~~NA~~ peristaltic		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms)	Clarity	Cumulative Volume Purged (gallons)
0.	----------	----------	----------	----------	0
1. 1442	~~1442~~ 7.87	20.68	1.60	clear	1
2. 1449	7.67	19.55	0.804	clear	2
3. 1453	7.64	19.18	1.55	clear	3
4. 1457	7.73	17.91	1.59	clear	4
5. 1501	7.81	16.95	1.59	clear	5
6. 1503	7.78	19.08	0.956	clear	5.5
7.					
8.					
9.					
10.					

Sample Time: 1504	Appearance/Odor: clear/none
Analytical Laboratory: ~~ESC in Mt. Juliet TN~~	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3 (350.1, 353.2)	
8 RCRA Metal (dissolved) (6020B), 7470A	
8011 (EDB), 8260D, 8151A, NWTPH-Dx	
Duplicate: MW-3R	MS/MD:
Comments: * pH not calibrated	
Signature:	Company: HDR

6

PJ Scales

37.2' well depth

Groundwater Sampling Information

Sample ID: MW-6D		**Date:** 9/14/21	
Project: Simplot Grower Solutions		Project No: ~~10017631~~ 10302086	
Location: Sunnyside WA			
Depth to Water: 12.83'		Measuring Point: TPVC	
Well Depth: ~~21.60'~~ 37.2'	Water Ht.: 24.37'	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	3 inch = 0.66
One Casing Volume (gallons): 3.90		Three Casing Volumes (gallons): 11.7 gal ~12	
Sampling Method: ~~Disposable Bailer~~ Paristaltic pump + disposable tubing			
Sampling Equipment: ~~New disposable bailers and new line~~ new tubing used			
Pump: ~~NA~~ paristaltic		Pump Intake: NA	
Decontamination: None required			

Time	pH * (SI units)	Temperature (degrees C)	Conductivity (ms)	Clarity	Cumulative Volume Purged (gallons)
0.	----------	----------	----------	----------	0
1. 0918	6.97	16.76	0.298	clear	3
2. 0939	11.70	16.77	0.453	clear	6
3. 1000	7.08	16.54	0.456	clear	9
4. 1020	7.18	16.49	0.391	clear	12
5.					
6.					
7.					
8.					
9.					
10.					

Sample Time: 10:21	Appearance/Odor: clear, no odor
Analytical Laboratory: ~~ESC in Mt. Juliet TN~~	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3 (350.1, 353.2)	
8 RCRA Metal (dissolved) (6020.B), 7470A	
8011-EDB, 8260D, 8151A, NWTPH-Dx	
Duplicate:	MS/MD:
Comments: * Hydrolab did not calibrate for pH	
Signature:	Company: HDR

Groundwater Sampling Information

Sample ID: MW-7 D		**Date:** 9/14/21	
Project: Simplot Grower Solutions		Project No: ~~10017631~~ 10302086	
Location: Sunnyside WA			
Depth to Water: 12.82		Measuring Point: TPVC	
Well Depth: ~~24.45'~~ 37.2	Water Ht.: 24.38	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	3 inch = 0.66
One Casing Volume (gallons): 3.9		Three Casing Volumes (gallons): 11.7 ~12	
Sampling Method: ~~Disposable Bailer~~ parastaltic pump + disposable tubing			
Sampling Equipment: ~~New disposable bailers and~~ new line			
Pump: ~~NA~~ peristaltic		Pump Intake: NA	
Decontamination: None required			

Time	* pH (SI units)	Temperature (degrees C)	Conductivity (ms)	Clarity	Cumulative Volume Purged (gallons)
0.	----------	----------	----------	----------	0
1. 1132	5.69	16.89	0.356	clear	3 SC 4
2. 1140	6.17	16.35	0.409	Clear	6
3. 1154	6.23	16.63	0.415	clear	9
4. 1205	6.52	16.83	0.415	clear	12
5.					
6.					
7.					
8.					
9.					
10.					
Sample Time: 12:07			Appearance/Odor:	clear/none	

Analytical Laboratory: ~~ESC in Mt. Juliet TN~~	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3 (350.1, 353.2)	
8 RCRA Metal (dissolved) (6020B), 7470A	
8011 (EDB), 8260D, 8151A, NWTPH-Dx	
Duplicate:	MS/MD:
Comments: * pH not Calibrated	
Signature:	Company: HDR

On-site Soil Vapor Headspace Screening (November 2021)

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-01	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			SW-SC	Well graded sand with clay and gravel - dark grayish brown	large gravel
SVH2.5-01-01	0.0	0	CL	Lean clay - dark brown Low to med plasticity Low density	
					Moist at 3.5 feet bgs
					Wet at 4 ft bgs
5					
SVH2.5-01-06		0			
	0.5				
			SC	Clayey Sand - dark gray Fine sand with clay fines	
10	0.9				
SVH2.5-01-11		33.5			
	0.5				Black Staining (11.5 to 12 ft bgs)
15					
					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-02	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay; dark brown	Some moisture
			SC	Clayey sand with gravel Dark brown with layers of light gray	
		0	CL	Lean clay; dark brown; moist; low/medium plasticities; low density	Moist
					4.5 to 7.5 feet - saturated
5			CH	Sandy fat clay; dark brown	
				Layers of coarse sand, fine gravel	
		0			7.5 feet - very moist
		323.8	SM	Silty sand with some clay; dark gray	Very wet; groundwater
10	0.2		SM	Silty sand with some clay; light gray	Slightly moist
	0.1		SM	Silty sand; dark brown	
15					
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-03	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			ML	Silt with sand; dark brown	Slightly moist
		0.0			Saturated at approximately 3.5 feet
		.0.1		7 to 8 feet; clay layer	
		0.1			8 to 9.5 feet - light gray staining
			CL	Lean clay; dark brown; medium plasticity; medium density	
					Completed with 3/8-inch bentonite chips

PROJECT NUMBER	BORING NUMBER
10302086	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with sand; dark brown; medium/low plasticity; medium/low density	Low moisture
		0.0			
5					
		0.0			5.5 feet - wet
					8.5 to 10 feet - light gray staining
10					
		9.3			
15					
20					

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-05 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			ML	Sandy silt with clay; dark born; low plasticity; some gravel	Large gravel at surface 0 to 2 feet - dry
			CL	Lean clay; dark brown; medium/low plasticity	2.5 to 5 feet - moist
		0.1			
5					4.5 to 12 feet - wet
		0.8			
10					9.5 to 12 feet - lighty gray staining
	4.8	444.1			
	1.8				
15					
20					

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-06 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			SC	Clayey sand with gravel; dark brown matrix; fine/medium gravel (40 mm)	Dry, no staining
		0.2	CL	Lean clay with sand; medium plasticity; mediu/high density	Moist
5					Wet
		1.5			8 to 12 feet - very hard, compact clay
10	0.1				
	0.3				11 feet - light gray staining
	9.7	75.5			
15					
					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-07 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			SC	Clayey sand with gravel; dark brown	Dry
		1.6	CL	Lean clay with sand; dark brown; low/medium plasticity	Slight moisture
5					4.5 feet - wet
		5.2			
10					9.5 to 12 feet - dark gray staining, strong odor
		93.4			
15					
					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-08 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			SC	Clayey sand with gravel; very dark gray; fine/medium gravel	
		0.2	CL	Lean clay with sand; dark brown, low plasticity; medium density	Moist
5		0.4			4 to 4.5 feet - lense of dry sand
					Wet
10					
	0.1	266.0		Medium gray staining	12 feet - staining, odor
15					
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-09	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with sand; dark brown; low plasticity; white and black organic matter and/or staining; medium density	Dry
		0.2			Moist
5					
		0.1			Wet
				9 to 10 feet - loosely compacted	
10					
		0.1		Light gray staining	
				Dark brown staining	
15					
20					

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-10 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay; dark brown; low plasticity; some sand and fine gravel	Dry
		0.0			Moist
5		0.0			
				Light gray staining	
10					
		0.0		Gray staining	
15					
20					

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-11 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
				Sandy lean clay with gravel; low plasticity; very dark gray	Dry
			CL	Lean clay; brown; medium/low plasticity; some fine-grained sand and gravel	0.5 to 4 feet - Red/rusted rocks and gravel
		0.0			
				Dense clay	Moist
5		0.0			
				Density loosens	Wet
10					
		0.0		Transition to gray right before 12 feet	Gray transition or staining
15					
20					

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-12 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS STAINING, COMPLETION, ETC.
			CL	Gravely lean clay with sand; dark gray; moist	
		0.0		Lean clay with lenses of sand; dark gray	
				Lean clay with lenses of sand; brown	
5				Low/medium plasticity; dense	
		0.0		Loose clay	No visible staining or odor
				Wet	
10					
		0.1			
15					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-13	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS STAINING, COMPLETION, ETC.
				Top soil - clay/gravel/sand to 0.5 feet	
			CL	Lean clay with some sand and fine gravel; medium plasticity	
				Dense clay	
		0.0		Wet	
5		0.0			
				Clay loosens; moisture content increases	
10					
		0.1			No staining or odor
15					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-14	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS STAINING, COMPLETION, ETC.
			CL	Lean clay with sand and gravel; very dark brown gray; low plasticity	
				Lean clay; brown; medium plasticity	
				Dense	
				Moist	Moist
				1-inch layer of medium coarse sand and fine gravel; black	Low moisture
5		0.2			
				Medium moisture (moisture increases)	Medium moisture
				6-inch layer of medium coarse black sand and gravel in brown clay matrix	
		2.4		Below sandy layer, moisture content increases, clay becomes less dense	High moisture
10					
		32.4			
15					
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-15	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			SC	Clayey sand with gravel; very dark gray	
			CL	Sandy lean clay; dark brown; low plasticity; medium density Dry	
		0.1	CL	Lean clay; brown; moist; medium plasticity 6-inch layer of sand and fine gravel at 4.2 feet	
			CL	Lean clay; dark grayish borwn	
		2.0			Increase in moisture; decrease in clay density
		10.1			No staining or odor
					Compacted with 3/8-inch bentonite chips

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-16	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay; dark brown; low plasticity 2-inch lense of fine/medium gravel at 3 ito 5 nches Low moisture/dry	Dry
		0.8	CL	Lean clay; brown; medium plasticity; medium density	Low moisture Medium moisture
				Increase in moisture, decrease in density	High moisture
		1.0		Olive gray	Gray Staining or transition
		0.9		Dark olive gray	

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-17 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with sand and gravel; dark brown; moist; low plasticity; medium density	
			CL	Lean clay, brown, moist; medium/low plasticity; medium density	
5					
			CL	Lean clay; brown; medium/low plasticity; low density; medium moisture	
		0.6		1-inch lense medium/fine-grained gravel	High moisture below gravel lense
10		0.8			
			CL	Lean clay; gray with sand and fine gravel; medium density; low plasticity; low moisture	Possible gray staining at 10 to 12 feet; no odor
		0.8			
15					
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-18	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with some sand and gravel; brown; medium density; low/medium plasticity	Dry
					Moist
		0.5		Increase in moisture; decrease in density	
		0.5			
					Color transition or gray staining
		0.6		Gray	

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-19 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			SC	Clayey sand with gravel; dark brown	
			CL	Lean clay; dark brown; dry; dense; low plasticity	
		0.8		Increase in moisture; decrease in density	Moist
5				Sand and medium-grained gravel lense	
		0.5	CL		
10				medium/low plasticity; decrease in density; increase in moisture	Medium moisture/wet
		0.5			No staining or odor
15					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-20	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			SC	Clayey sand with gravel; dark gray	
			CL	Lean clay; brown; low plasticity; some fine-coarse sand	Dry
–					
–					
–					Moist
–		0.4		Increase in moisture; medium plasticity	
5				Medium density; low/medium plasticity; coarse sand grains	4 to 4.5 feet - dry
					Wet
–				Increase in moisture; decrease in density; medium plasticity	
–					
–		0.7			
–					
10					
					No visible staining
–		0.7			
–					
–					
15					Completed with 3/8-inch bentonite chips
–					
–					
–					
–					
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-21	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
				Lean clay with some sand and fine gravel; brown; medium/low plasticity	
			CL		Dry
					Moist
		0.3			
5					Wet
		0.5			
10					
		0.3			
					No visible staining
15					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-22	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS STAINING, COMPLETION, ETC.
			CL	Lean clay with sand and gravel; brown; low plasticity; medium density; dry	Dry
				Lean clay ; brown; low/medium plasticity; medium density; moist	Moist
		0.3			
5					Wet
		0.2			
10					
					Dry
			ML	Dark gray silt; looses moisture; non-plastic	11.5 feet - possible staining or lith transition; no odor
		0.3			
15					
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-23	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			SC	Top soil; very dark brown; clayey sand with gravel	
			CL	Sandy lean clay with gravel; dark brown	
			CL	Sandy lean clay with gravel; dark brown with red/rust grains; low plasticity; medium density	
		0.2			
5			CL	Lean clay; brown; medium/low plasticity; medium density; moist	Black f-c sand lense with gravel or red staining
		0.0		Increase in moisture; decrease in density; medium plasticity	Wet
10					
		0.1			No apparent staining contamination
15					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-24	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			SC	Very dark brown clayey sand with fine gravel	Dry
			CL	Lean clay with some sand and gravel; brown; low/medium plasticity	
		0.1			Moist
					Very moist
		0.6			
		0.6			
					No lith change or apparent staining
					Completed with 3/8-inch bentonite chips

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-25	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with silt, sand and gravel; brown; medium/low plasticity; medium/low density; varying moisture content	0 to .5 feet - fine/medium gravel 0 to 3 feet - dry; dense; low plasticity
		0.5			Moist
		0.3			Very moist; less dense; medium plasticity
		0.5		Gray with gravel (approx. 10% fine); low moisture; low plasticity	Wet, very loose Moist-dry 11 feet - gray staining or lith change
					Complete with 3/8-inch bentonite chips

5 10 15 20

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-26	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with sand and gravel; brown; medium-low plasticity; medium-low density; varying moisture	
					Dry; dense; low plasticity
					Moist; dense; medium/low plasticity
		0.3			Medium moist; medium plasticity; medium density
5					
		0.0			Wet; loose; medium plasticty; very little to no sand or gravel
10					
		0.3			
					No apparent staining
15					
					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-27	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with sand and gravel; brown, medium-low plasticity; medium-low density; varying moisture	30% sand and find/medium grained gravel
					Dry, dense, low plasticity
		0.1			Moist, medium plasticity; dense
5					
		0.5			Medium moist; loose; medium plasticity; very little to no sand/gravel
10					
		0.3			No visible staining
15					
					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-28	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/9/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with sand and gravel; brown; low/medium density/ low-medium plasticity; varying moisture	Dry; dense; low plasticity; 20% sand and gravel
5					Moist; medium plasticity; dense
		0.6			Little to no sand/gravel Wet; medium plasticity
10					
		0.7			Dense; medium moisture; medium plasticity
15					No visible staining Completed with 3/8-inch bentonite chips
				SST sample collected 11/9/2021 at 16:30.	
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-29	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/9/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with sand and gravel; slight color changes; low/medium density; low/medium plasticity; varying moisture	Very dark brown; 15% sand; 5% gravel; dense; low plasticity
		0.0			Dry
		0.3			Brown; moist; little to no sand; low/medium density; medium plasticity
		0.6			Dark yellowish bron; loose; medium density; medium plasticity; very moist
					No vislble staining
					Completed with 3/8-inch bentonite chips

5 10 15 20

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-30	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/10/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Dark brown lean clay with gravel; low plasticity; dry	
			CL	Brown lean clay/ low/medium plasticity; loose; varying moisture	Low plasticity; moist
					3.5 feet - wet; dense; medium plasticity; little to no sand or gravel
		0.0			
		0.0			
		0.0		Gray staining or transition	11.5 feet - loose clay Transitions to gray
					Completed with 3/8-inch bentonite chips
				SST sample collected 11/10/2021 at 07:35.	

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-31	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/10/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Dark brown sandy lean clay with gravel; dry; low plasticity	
			CL	Brown lean clay with little/trace sand and gravel; medium/low plasticity	Moist, dense
5		0.0			
		0.0	CL	Dark grayish brown; medium-low plasticity; trace sand and find gravel	Loose
10					
		0.0			Medium density No visible staining
15					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-32	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/10/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay with sand and trace gravel; brown; medium/low plasticity; medium/low density; varying moisture	30% fine sand; trace fine gravel; dry
5					Moist dense clay; low plasticity
		0.0			Loose, medium density; medium plasticity
10		0.0			
		0.0		Gray	11.5 feet - gray staining or color transition; no apparent odor
15					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-33	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/10/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay, brown; lenses high in sand and gravel; medium/low plasticity; loose; medium/low density; varying moisture content; slight variations in color	Very dark grayish brown; sand and gravel
					Brown; dry; low plasticity
		0.0			Moist; low density; medium plasticity
		0.0			2-inch sand/gravel lense
					Wet; very loose; medium plasticity
		0.0			No visible staining or odor
					Completed with 3/8-inch bentonite chips

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-34	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/10/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay, brown; trace sand and gravel; medium/low plasticity; loose; medium/low density; varying moisture	First 2 inches - 35% sand and gravel
					Dry
5					Moist; dense; medium plasticity
					Loose, increase in moisture
		0.0		Zone of dense; low moisture; clay with trace gravel	Some fine gravel; trace dense clay; moist
				Loose, wet clay	
10		0.0			
		0.0			No staining or odor
15					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-35	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/10/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
			CL	Lean clay, brown; trace sand and gravel; medium/low plasticity; loose; dense; varying moisture	0 to 0.5 feet - 30% sand and gravel; very dark gray
					Dry
					Moist dense
		0.0			
5				Moisture increases at 4.5 feet	4 to 4.5 feet - gravel; dense
				Medium plasticity; medium density	
		0.0		8 to 12 feet - moisture increases; very loose	Very wet
10					
		0.0			
					No staining or apparent odor
15					
					Completed with 3/8-inch bentonite chips
				SST sample collected 11/10/2021 at 10:10.	
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-36	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/10/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
				Top soil - dark gray; clay; sand gravel	
			CL	Lean clay, brown; trace sand and gravel; medium/low plasticity; varying density; varying moisutre	Dry; low plasticity; densely packed
					Moist; low plasticity; dense
5				4 to 4.5 feet - 25% gravel	Very moist; medium/low plasticity; less dense
		3.1			Loose; less dense
10		0.1			Moist; medium plasticity; low/medium density
		0.0		11.5 to 12 feet - Gray	Gray coloration at 11.5 to 12 feet indicating staining or lith transition; no apparent odor
15					
					Completed with 3/8-inch bentonite chips
20					

PROJECT NUMBER	BORING NUMBER
10302086	SVH2.5-37 SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation LOCATION : Simplot - Sunnyside, WA

ELEVATION : DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : START : 11/10/21 END: -- LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
				First 6 inches - sandy, gravely clay	Dark gray top soil
–			CL	Lean clay; brown; trace sand and gravel; medium/low plasticity; varying density; varying moisture	
–					
–					Slightly moist; zone of less density
–				Medium density; moist	2 inches of 15% fine gravel
5					Loose, moist
–					
–					
–		0.0		Loose; increase in moisture; medium plasticity	
–					
10					
–		0.0		Gray	Possible gray staining
–		0.0		Dark gray	Possible drak gray staining
–					
–					No apparent odor
15					
–					Completed with 3/8-inch bentonite chips
–				SST sample collected 11/10/2021 at 11:00.	
–					
–					
20					

PROJECT NUMBER	BORING NUMBER	
10302086	SVH2.5-38	SHEET 1 of 1

SOIL BORING LOG

PROJECT : Phase 2.5 Remedial Investigation — LOCATION : Simplot - Sunnyside, WA

ELEVATION : — DRILLING CONTRACTOR : Environmental West

DRILLING METHOD AND EQUIPMENT USED : GeoProbe

GW ELEV. : — START : 11/10/21 — END: -- — LOGGER: B. Duarte / J. Nesbitt

SAMPLE NO.	GRAB PID (PPM)	HEADSPACE PID READING (ppm)	GRAPHIC DESCRIPTION	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, CONSISTENCY, SOIL STRUCTURE, MINERALOGY, ETC.	COMMENTS: STAINING, COMPLETION, ETC.
				Top soil - clay with gravel	
			CL	Brown lean clay; trace sand and gravel; loose density; low/medium plasticity; varying moisture	Dry, dense
					Moist, dense
5					Loose, increase in moisture content (very moist)
		0.0			
10		0.0			
		0.0			Gray Dark gray
					Gray; dark gray staining; no odor
15					
					Completed with 3/8-inch bentonite chips
20					

E

Data Validation Reports

Simplot Grower Solutions
Sunnyside, Washington Site

DATA VALIDATION REPORT
FOR
JULY 2021 GROUNDWATER SAMPLING EVENT

Introduction

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on July 30, 2021. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the June 2021 *Sampling and Analysis Plan: Phase 2.5 Remedial Investigation Activities* and following standard operating procedures (SOPs) for GeoProbe borings and groundwater sample collection.

The data validation for groundwater samples considered the following elements:

- Sampling procedures
- Holding times
- Detection limit
- Surrogate spike recoveries
- Laboratory method blank
- Laboratory control sample
- Trip blank
- Laboratory spikes and spike duplicates
- Duplicate field sample

Sampling Procedures

Groundwater samples were collected from two newly installed monitoring wells, MW-6D and MW-7D, downgradient from the Simplot Grower Solutions site in Sunnyside, Washington. Monitoring wells were sampled on July 30, 2021, immediately after well development. Each monitoring well was purged and sampled using a stainless-steel submersible pump, which was decontaminated prior to use at each well. Purged water was monitored for temperature, pH, electrical conductivity, and turbidity using a YSI Professional Plus water quality meter and flow-through cell. Purging continued until there was less than a 10 percent variance in parameter measurements after three consecutive readings or a minimum of three static well casing volumes had been removed.

Samples were labeled, sealed, placed in a cooler, and shipped to Eurofins Test America in Tacoma, Washington.

Eurofins Test America analyzed samples for the following constituents:

- Volatile Organic Compounds (VOCs) – Method 8260D
- Gasoline Range Organics – NWTPH-Gx
- Diesel and Residual Range Organics – NWTPH-Dx
- Ethylene Dibromide (EDB) – Method 8011
- Chlorinated Herbicides – Method 8151A

- Resource and Recovery Act (RCRA) Metals (As, Ba, Cd, Cr, Pb, Hg, Se, Ag) – Method 6020B and 7470A
- Ammonia as N – Method 350.1
- Nitrate Nitrite as N – Method 353.2

Holding Times

A total of four suites of water samples were submitted to Test America, including one trip blank and one duplicate. Holding times were met for all analytes upon receipt with the exceptions summarized in **Table 1.**

Table 1. Holding Times Exceedances

Sample	Method	Analyte	Hold Time (Extraction)	Result (µg/L)	Qualifier
MW-6D	8151A - Herbicides	2,4,5-T	7 days	ND	UJ
		2,4-D		ND	UJ
		2,4-DB		ND	UJ
		Dalapon		ND	UJ
		Dicamba		ND	UJ
		Dichlorprop		ND	UJ
		Dinoseb		ND	UJ
		MCPA		ND	UJ
		MCPP		ND	UJ
		Picloram		ND	UJ
		Silvex (2,4,5-TP)		ND	UJ
MW-7D	8151A - Herbicides	2,4,5-T	7 days	ND	UJ
		2,4-DB		1.3	J
		Dalapon		ND	UJ
		Dicamba		ND	UJ
		Dichlorprop		0.64	J
		Dinoseb		ND	UJ
		MCPP		33	J
		Picloram		ND	UJ
		Silvex (2,4,5-TP)		ND	UJ
		2,4-D		0.87	J
		MCPA		ND	UJ
MW-7D DUP	8151A - Herbicides	2,4,5-T	7 days	ND	UJ
		2,4-D		ND	UJ
		2,4-DB		ND	UJ
		Dalapon		ND	UJ
		Dicamba		ND	UJ
		Dichlorprop		ND	UJ
		Dinoseb		ND	UJ
		MCPA		ND	U

Sample	Method	Analyte	Hold Time (Extraction)	Result (µg/L)	Qualifier
		MCPP		ND	U
		Picloram		ND	U
		Silvex (2,4,5-TP)		ND	U

µg/L = micrograms per liter; ND = non-detect

Detection Limit

Detection limits are specified by the analytical methods. Dilution factors were as follows:

- VOCs (8260D) – 1
- Gasoline (NWTPH-Gx) – 1
- Diesel Range Organics (NWTPH-Dx) – 1
- Residual Range Organics (NWTPH-Dx) – 1
- EDB (8011) – 1
- Herbicides (8151A) – 1
- RCRA Metals (6020B) – 5
- RCRA Metals (7470A) – 1
- Ammonia as N (350.1) – 1
- Nitrate Nitrite as N (353.2) – 1

No qualifications were made to the data due to dilutions.

Surrogate Spike Recoveries

Surrogate spike recoveries were reviewed and evaluated for adherence to the control limits specified for their respective methods. All surrogate recoveries were within control limits.

Laboratory Method Blank

Laboratory method blank results were reviewed and evaluated for significant detections. All method blank results were non-detect (ND) and no qualifications were made based on laboratory method blanks.

Laboratory Control Sample

Percent recoveries of the laboratory control samples (LCSs) were reported within acceptance limits.

Recoveries between the laboratory control samples and laboratory control sample duplicates (LCSD) were within control limits with the following exceptions:

- Trichlorofluoromethane – analysis batch 590-32655. Percent recovery was 133%, just exceeding the upper recovery limit of 132%.

No qualifier was assigned to associated sample results as all results were ND, and percent recovery was biased high.

Trip Blank
A trip blank was included with the sample bottle shipment and was analyzed for volatile organics (Method 8260D). The trip blank was below detection limits for all constituents.

Equipment Rinsate Blank
An equipment rinsate blank was not collected for this sampling event.

Laboratory Spikes and Spike Duplicates
Matrix spikes (MS) and matrix spike duplicates (MSD) were not performed for groundwater samples associated with this sampling event due to insufficient sample volume.

Duplicate Field Sample
In order to assess field precision, a duplicate sample was collected for MW-7D (MW-7D DUP). Original and duplicate sample values with a relative percent difference (RPD) exceeding 20 percent are qualified as estimated. However, if either the original or duplicate sample result is less than 5 times the analyte's reporting limit (RL), their difference is used to qualify the results. If the difference is greater than the relative RL the sample is flagged. Results exceeding RPD or RL control were qualified as estimated as shown in **Table 2.**

Table 2. Relative Percent Differences (RPD) of Detected Compounds for Duplicate Sample from MW-7D

Detected Compound	MW-7D	DUPLICATE	RPD	RL	Qualifier (original/duplicate)
Nitrate Nitrite as N	3	2.9	3%	0.1	--
Arsenic	0.0045	0.0061	30%	0.005	--
Barium	0.058	0.11	62%	0.006	J/J
Chromium	0.004	0.01	86%	0.004	J/J
Lead	ND*	0.0028	173%	0.002	UJ/J
2,4-DB	1.3	ND*	55%	3.9	--
Dichlorprop	0.64	ND*	0%	3.9	--
MCPP	33	ND*	0%	390	--
2,4-D	0.87	ND*	50%	3.9	--

RPD = [(Parent Sample) – (Duplicate)]/[mean(Parent Sample, Duplicate)] x 100
*RPDs with one ND sample were calculated using the minimum detection limit in place of the ND result.

Simplot Grower Solutions
Sunnyside, Washington Site

DATA VALIDATION REPORT
FOR
JULY 2021 GROUNDWATER SAMPLING EVENT

Introduction

This report summarizes the data validation performed on the soil analytical results of the samples collected on July 29, 2021. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the June 2021 *Sampling and Analysis Plan: Phase 2.5 Remedial Investigation Activities* and following standard operating procedures (SOPs) for GeoProbe borings and groundwater sample collection.

The data validation for groundwater samples considered the following elements:

- Sampling procedures
- Holding times
- Detection limit
- Surrogate spike recoveries
- Laboratory method blank
- Laboratory control sample
- Trip blank
- Laboratory spikes and spike duplicates
- Duplicate field sample

Sampling Procedures

Soil samples were collected from borings during the construction of monitoring wells MW-6D and MW-7D, downgradient from the Simplot Grower Solutions site in Sunnyside, Washington. Soil samples were collected on July 29, 2021, using a sonic drilling rig.

Samples were labeled, sealed, placed in a cooler, and shipped to Eurofins Test America in Tacoma, Washington.

Eurofins Test America analyzed samples for the following constituents:

- Volatile Organic Compounds (VOCs) – Method 8260D
- Gasoline Range Organics – NWTPH-Gx
- Diesel and Residual Range Organics – NWTPH-Dx
- Ethylene Dibromide (EDB) – Method 8011
- Chlorinated Herbicides – Method 8151A
- Resource and Recovery Act (RCRA) Metals (As, Ba, Cd, Cr, Pb, Hg, Se, Ag) – Method 6020B and 7471A
- Ammonia as N – Method 350.1
- Nitrate Nitrite as N – Method 353.2

Holding Times

A total of five suites of soil boring samples were submitted to Test America: two samples at different depths from MW-6D, two samples at different depths from MW-7D, and one trip blank. Holding times were met for all analytes upon receipt with the exception of Method 8260D VOCs – all VOC samples were prepped and analyzed outside of the 48-hour extraction time. Since all VOC samples were also non-detect (ND), they received a "UJ" qualifier, as shown in **Table 1.**

Table 1. Holding Times Exceedances for Samples MW-6D,10 feet; MW-6D, 12 feet; MW-7D, 8 feet; and MW-7D, 12 feet

Analyte – Method 8260D VOCs	Hold Time (Extraction)	Result (µg/L)	Qualifier
1,1,1,2-Tetrachloroethane	48 hours	ND	UJ
1,1,1-Trichloroethane	48 hours	ND	UJ
1,1,2,2-Tetrachloroethane	48 hours	ND	UJ
1,1,2-Trichloroethane	48 hours	ND	UJ
1,1-Dichloroethane	48 hours	ND	UJ
1,1-Dichloroethene	48 hours	ND	UJ
1,1-Dichloropropene	48 hours	ND	UJ
1,2,3-Trichlorobenzene	48 hours	ND	UJ
1,2,3-Trichloropropane	48 hours	ND	UJ
1,2,4-Trichlorobenzene	48 hours	ND	UJ
1,2,4-Trimethylbenzene	48 hours	ND	UJ
1,2-Dibromo-3-Chloropropane	48 hours	ND	UJ
1,2-Dibromoethane (EDB)	48 hours	ND	UJ
1,2-Dichlorobenzene	48 hours	ND	UJ
1,2-Dichloroethane	48 hours	ND	UJ
1,2-Dichloropropane	48 hours	ND	UJ
1,3,5-Trimethylbenzene	48 hours	ND	UJ
1,3-Dichlorobenzene	48 hours	ND	UJ
1,3-Dichloropropane	48 hours	ND	UJ
1,4-Dichlorobenzene	48 hours	ND	UJ
2,2-Dichloropropane	48 hours	ND	UJ
2-Chlorotoluene	48 hours	ND	UJ
4-Chlorotoluene	48 hours	ND	UJ
Benzene	48 hours	ND	UJ
Bromobenzene	48 hours	ND	UJ
Bromochloromethane	48 hours	ND	UJ
Bromodichloromethane	48 hours	ND	UJ
Bromoform	48 hours	ND	UJ
Bromomethane	48 hours	ND	UJ
Carbon tetrachloride	48 hours	ND	UJ
Chlorobenzene	48 hours	ND	UJ
Chloroethane	48 hours	ND	UJ

Analyte – Method 8260D VOCs	Hold Time (Extraction)	Result (µg/L)	Qualifier
Chloroform	48 hours	ND	UJ
Chloromethane	48 hours	ND	UJ
cis-1,2-Dichloroethene	48 hours	ND	UJ
cis-1,3-Dichloropropene	48 hours	ND	UJ
Dibromochloromethane	48 hours	ND	UJ
Dibromomethane	48 hours	ND	UJ
Dichlorodifluoromethane	48 hours	ND	UJ
Ethylbenzene	48 hours	ND	UJ
Hexachlorobutadiene	48 hours	ND	UJ
Isopropylbenzene	48 hours	ND	UJ
m,p-Xylene	48 hours	ND	UJ
Methyl tert-butyl ether	48 hours	ND	UJ
Methylene Chloride	48 hours	ND	UJ
Naphthalene	48 hours	ND	UJ
n-Butylbenzene	48 hours	ND	UJ
N-Propylbenzene	48 hours	ND	UJ
o-Xylene	48 hours	ND	UJ
p-Isopropyltoluene	48 hours	ND	UJ
sec-Butylbenzene	48 hours	ND	UJ
Styrene	48 hours	ND	UJ
tert-Butylbenzene	48 hours	ND	UJ
Tetrachloroethene	48 hours	ND	UJ
Toluene	48 hours	ND	UJ
trans-1,2-Dichloroethene	48 hours	ND	UJ
trans-1,3-Dichloropropene	48 hours	ND	UJ
Trichloroethene	48 hours	ND	UJ
Trichlorofluoromethane	48 hours	ND	UJ
Vinyl chloride	48 hours	ND	UJ

µg/L = micrograms per liter

Detection Limit

Detection limits are specified by the analytical methods. Dilution factors were as follows:

- VOCs (8260D) – 1
- Gasoline (NWTPH-Gx) – 1
- Diesel Range Organics (NWTPH-Dx) – 1
- Residual Range Organics (NWTPH-Dx) – 1
- EDB (8011) – 1
- Herbicides (8151A) – 2
- RCRA Metals (6020B) – 10
- RCRA Metals (7471A) – 1
- Ammonia as N (350.1) – 1

- Nitrate Nitrite as N (353.2) – 1

No qualifications were made to the data due to dilutions.

Surrogate Spike Recoveries
Surrogate spike recoveries were reviewed and evaluated for adherence to the control limits specified for their respective methods. All surrogate recoveries were within control limits.

Laboratory Method Blank
The laboratory method blank results indicate any possible contamination exposure during the sample handling, digestion, or extraction process and analysis. In most instances, compounds were not detected at or above the method reporting limits. If the target analyte was detected in the method blank, but the sample was ND, no qualification was made. If the sample result was less than 10 times the result of the method blank, the sample was qualified as an estimate biased high. The qualifications made based on this criterion are shown in **Table 2**.

Table 2. Laboratory Method Blank Results

Sample	Analyte	Sample Result	Blank Result	Qualifier	Analysis Batch
MW-7D;12'	Nitrate Nitrite as N	1.1	0.327	J+	280-545876

Laboratory Control Sample
Laboratory Control Samples (LCS) are samples of known concentration that are carried through the extraction and analysis process. The percent recovery is the percentage of the theoretical concentration and has statistical control limits indicating that the analytical process is "in control."

An LCS sample was run in duplicate with the work order samples. In instances where the LCS recovery is high, but the sample result is ND, there is no impact on the data since ND with high recovery is still ND. The RPD for the LCS samples are within acceptable laboratory tolerances.

Trip Blank
A trip blank was included with the sample bottle shipment and was analyzed for volatile organics (Method 8260B). The trip blank was below detection limits for all constituents.

Equipment Rinsate Blank
An equipment rinsate blank was not collected for this sampling event.

Laboratory Spikes and Spike Duplicates
Matrix spikes (MS) and matrix spike duplicates (MSD) were performed on random samples selected by the laboratory for each batch run. The MS and MSD were performed on MW-6D,10 feet and MW-6D, 12 feet. All percent recoveries were within limits with the exceptions listed in **Table 3**.

Table 3. Laboratory Matrix Spikes and Spike Duplicates Exceeding QC Limits

Sample	Analyte	Sample Result	MS % Yield	MSD % Yield	RPD	QC Limits (%)	Qualifier
MW-6D;10'	Ammonia as N	ND	59	64	8	90-110, 20%	UJ
MW-6D;12'	1,2-Dibromoethane (EDB)	ND	54	51	9	60-140, 20%	UJ

Duplicate Field Sample

No field duplicate sample was collected for this sampling event.

Simplot Grower Solutions
Sunnyside, Washington Site

DATA VALIDATION REPORT
FOR
SEPTEMBER 2021 GROUNDWATER SAMPLING EVENT

Introduction

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on September 14, 2021. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the June 2021 *Sampling and Analysis Plan: Phase 2.5 Remedial Investigation Activities* and following standard operating procedures (SOPs) for GeoProbe borings and groundwater sample collection.

The data validation for groundwater samples considered the following elements:

- Sampling procedures
- Holding times
- Detection limit
- Surrogate spike recoveries
- Laboratory method blank
- Laboratory control sample
- Trip blank
- Laboratory spikes and spike duplicates
- Duplicate field sample

Sampling Procedures

Groundwater samples were collected from four monitoring wells: MW-4, MW-5R, MW-6D, and MW-7D – located on and around the vicinity of the Simplot Grower Solutions site in Sunnyside, Washington. Monitoring wells were sampled on September 14, 2021. Each well was purged and sampled using a peristaltic pump and disposable tubing. Purged water was monitored for temperature, pH, electrical conductivity, and turbidity. Purging continued until there was less than a 10 percent variance in parameter measurements after three consecutive readings or a minimum of three static well casing volumes had been removed.

Samples were labeled, sealed, placed in a cooler, and shipped to Eurofins Test America in Tacoma, Washington.

Eurofins Test America analyzed samples for the following constituents:

- Volatile Organic Compounds (VOCs) – Method 8260D
- Gasoline Range Organics – NWTPH-Gx
- Diesel and Residual Range Organics – NWTPH-Dx
- Ethylene Dibromide (EDB) – Method 8011
- Chlorinated Herbicides – Method 8151A

- Resource and Recovery Act (RCRA) Metals (As, Ba, Cd, Cr, Pb, Hg, Se, Ag) – Method 6020B and 7470A
- Ammonia as N – Method 350.1
- Nitrate Nitrite as N – Method 353.2

Holding Times
A total of seven suites of water samples were submitted to Test America, including one trip blank, one equipment rinsate blank, and one field duplicate. Holding times were met for all analytes upon receipt.

Detection Limit
Detection limits are specified by the analytical methods. Dilution factors ranged as follows:

- VOCs (8260D) – 1
- Gasoline (NWTPH-Gx) – 1
- Diesel Range Organics (NWTPH-Dx) – 1
- Residual Range Organics (NWTPH-Dx) – 1
- EDB (8011) – 1
- Herbicides (8151A) – 1
- RCRA Metals (6020B) – 5
- RCRA Metals (7470A) – 1
- Ammonia as N (350.1) – 1
- Nitrate Nitrite as N (353.2) – 1-10

No qualifications were made to the data due to dilutions.

Surrogate Spike Recoveries
Surrogate spike recoveries were reviewed and evaluated for adherence to the control limits specified for their respective methods. All surrogate recoveries were within control limits.

Laboratory Method Blank
Laboratory method blank results were reviewed and evaluated for significant detections. In most instances, compounds were not detected at or above the method detection limits. If the target analyte was detected in the method blank, but the sample was non detect (ND), no qualification was made. If the sample result was less than 10 times the result of the method blank, the sample was qualified as an estimate biased high. The qualifications made based on this criterion are shown in **Table 1**.

Table 1. Method Blank Results

Sample ID	Analyte	Sample Result	Blank Result	Units	Qualifier
MW-3R-20210914 (MW-5R duplicate)	Nitrate Nitrite as N	11	0.0407	mg/L	--
MW-4-20210914	Nitrate Nitrite as N	20	0.0407	mg/L	--
MW-5R-20210914	Nitrate Nitrite as N	12	0.0407	mg/L	--

Sample ID	Analyte	Sample Result	Blank Result	Units	Qualifier
MW-6D-20210914	Nitrate Nitrite as N	2.9	0.0407	mg/L	--
MW-7D-20210914	Nitrate Nitrite as N	2.4	0.0407	mg/L	--
Rinsate	Nitrate Nitrite as N	0.05	0.0407	mg/L	J+

mg/L = milligrams per liter

Laboratory Control Sample

Laboratory Control Samples (LCS) are samples of known concentration that are carried through the extraction and analysis process. The percent recovery is the percentage of the theoretical concentration and has statistical control limits indicating that the analytical process is "in control."

An LCS sample was run in duplicate with the work order samples. In instances where the LCS recovery is high, but the sample result is ND, there is no impact on the data since ND with high recovery is still ND. The relative percent difference (RPD) for the LCS samples are within acceptable laboratory tolerances, with exceptions shown in **Table 2**.

Table 2. Laboratory Control Spikes Exceeding QC Limits

Sample ID	Analyte	Sample Result	LCS Yield	LCSD Yield	RPD	QC Limits	Qualifier
MW-3R-20210914 (MW-5R duplicate)	Dinoseb	ND	47%	54%	14%	59-179, 20%	UJ
MW-4-20210914	Dinoseb	ND	47%	54%	14%	59-179, 20%	UJ
MW-5R-20210914	Dinoseb	ND	47%	54%	14%	59-179, 20%	UJ
MW-6D-20210914	Dinoseb	ND	47%	54%	14%	59-179, 20%	UJ
MW-7D-20210914	Dinoseb	ND	47%	54%	14%	59-179, 20%	UJ
Rinsate	Dinoseb	ND	47%	54%	14%	59-179, 20%	UJ

Trip Blank

A trip blank was included with the sample bottle shipment and was analyzed for volatile organics (Method 8260D) and gasoline (Method NWTPH-Gx). The trip blank was below detection limits for all constituents.

Equipment Rinsate Blank

An equipment rinsate blank was collected by pouring distilled water through a probe length after decontamination. The equipment rinsate blank was below detections limits for all constituents except for those listed in **Table 3**.

Table 3. Compounds Detected in the Equipment Rinsate Blank

Sample ID	Analyte	Sample Result	Reporting Limit (RL)	Detection Limit (MDL)	Qualifier
Rinsate	Nitrate Nitrite as N	0.05	0.10	0.019	J

Laboratory Spikes and Spike Duplicates

Matrix spikes (MS) and matrix spike duplicates (MSD) were performed on random samples selected by the laboratory for each batch run. The MS and MSD were performed on MW-6D-20210914. Percent recoveries were within limits and no qualifications were made based on MS/MSD.

Duplicate Field Sample

In order to assess field precision, a duplicate sample was collected for MW-5R-20210914 (MW-3R-20210914). Original and duplicate sample values with a RPD exceeding 20 percent are qualified as estimated. However, if either the original or duplicate sample result is less than 5 times the analyte's reporting limit (RL), their difference is used to qualify the results. If the difference is greater than the relative RL the sample is flagged. Results for detected analytes are shown in **Table 4**. No qualifications were made based on the duplicate field sample.

Table 4. Relative Percent Differences (RPD) of Detected Compounds for Duplicate Sample from MW-7D

Detected Compound	MW-5R	Duplicate	RPD	Qualifier (original/duplicate)
Nitrate Nitrite as N	12	11	9%	--
Arsenic	0.071	0.071	0%	--
Barium	0.034	0.035	3%	--
Cadmium	0.00019	ND*	0%	--
1,2-Dichloroethane	2.4	2.4	0%	--

RPD = [(Parent Sample) – (Duplicate)]/[mean(Parent Sample, Duplicate)] x 100

*RPDs with one ND sample were calculated using the minimum detection limit in place of the ND result.

F

Photo Log

Monitoring Well Installation

Photo 1. Temporary onsite storage of product water from monitoring well installations.

Photo 2. Temporary onsite storage of product water from monitoring well installations – south-east of storage building.

Photo 3. Well screen: 10-ft interval, 2-inch diameter, 0.010-inch slot Schedule 40 PVC with flush threaded bottom caps.

Photo 4. MW-6D soil cores, from about 2.5 ft below ground surface (right) to about 15 ft below ground surface (left).

Photo 5. Monitoring wells fitted with Department of Ecology well tags (MW-7D shown here).

Photo 6. Monitoring wells completed flush to grade.

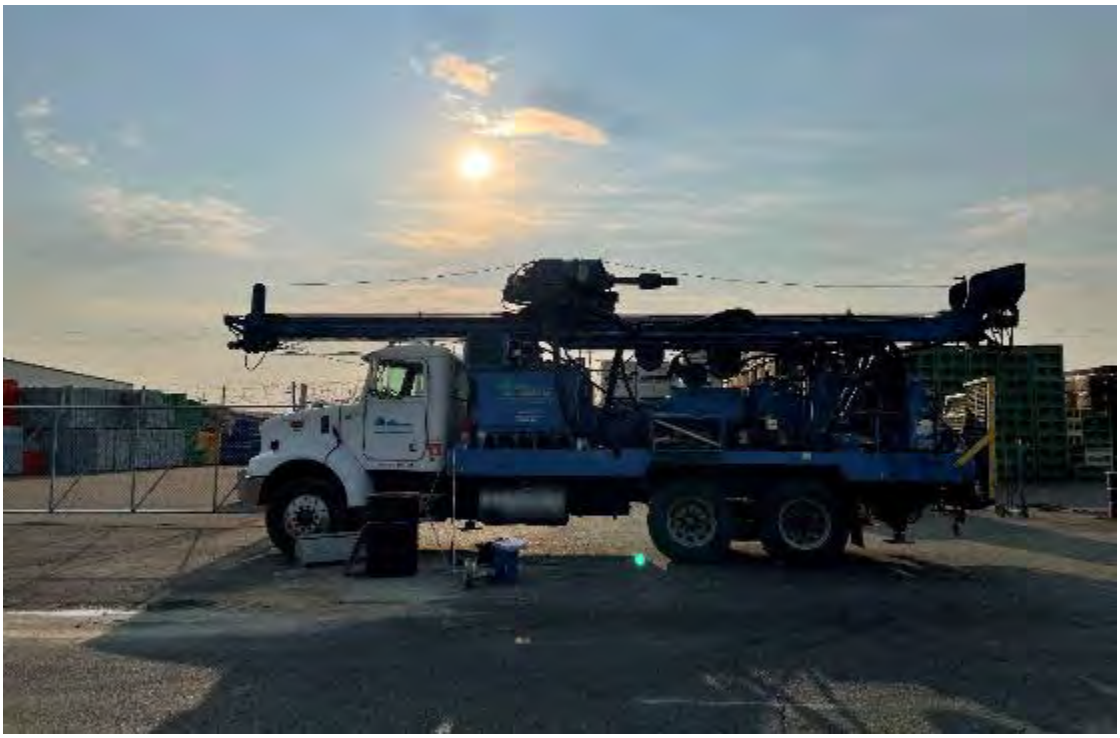


Photo 7. Environmental West sonic drill rig – developing MW-6D

Photo 8. Developing MW-7D.

GeoProbe Investigation

Photo 9. GeoProbe borehole, prior to backfilling.

Photo 10. Soil suitability testing grab sample collected with GeoProbe (SST2.5-11-6-12).

Photo 11. Onsite soil vapor headspace screening investigation conducted with GeoProbe. Borings from location SVH2.5-01, 0 feet (right) to 8 feet (left).

Photo 12. GeoProbe boreholes back-filled with 3/8-inch bentonite chips (cuttings stored onsite in 55-gallon drums).

Off-site Soil Vapor Sampling

Photo 13. Soil vapor intrusion investigation location VI2.5-01 (sample collected at 4-ft below ground surface).

Photo 14. Soil vapor intrusion investigation location VI2.5-01 (sample collected at 4-ft below ground surface).

Photo 15. Collecting soil vapor intrusion sample VI2.5-02 (sample collected at 4-ft below ground surface).

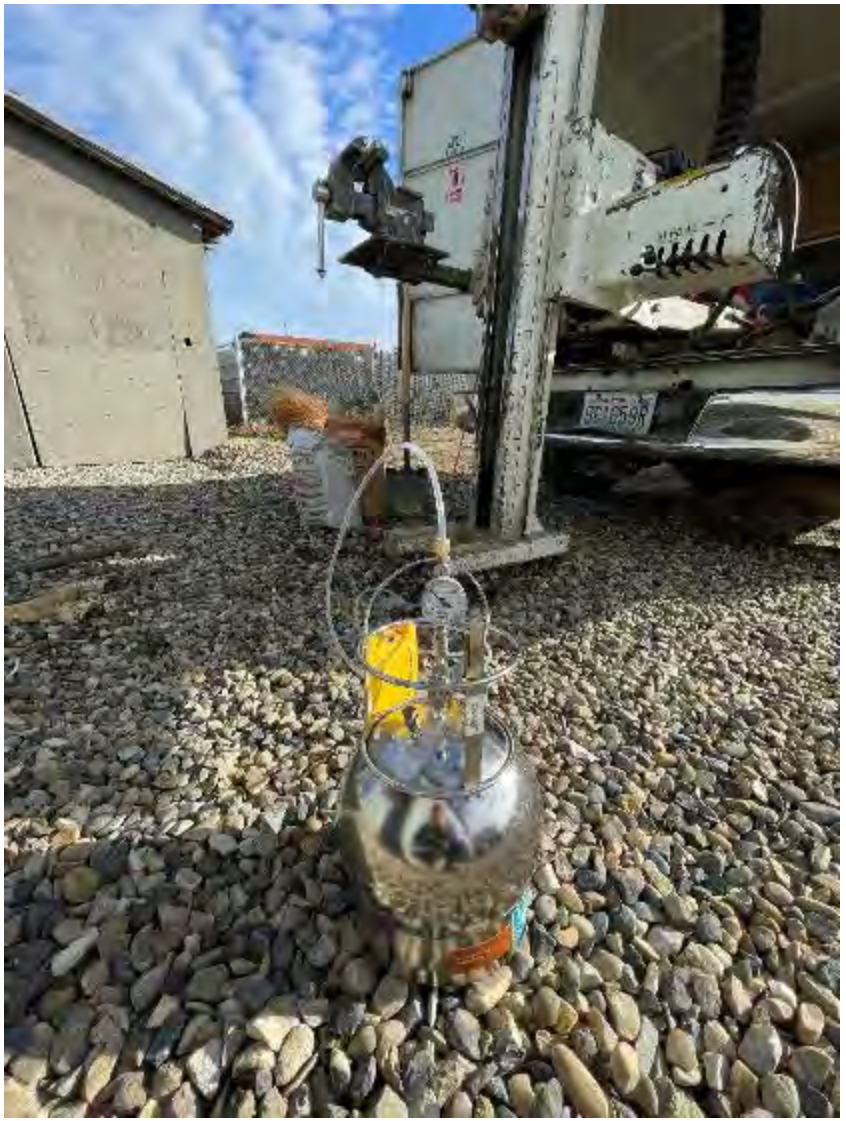


Photo 16. Collecting soil vapor intrusion sample VI2.5-02 (sample collected at 4-ft below ground surface).