

Phase 2 Remedial Investigation Report

Simplot Grower Solutions

Sunnyside, Washington

March 2021

Phase 2 Remedial Investigation Report

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

March 2021

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Acronyms

AO	Agreed Order
bgs	below ground surface
CLARC	Cleanup Levels and Risk Calculation
Ecology	Washington State Department of Ecology
EDB	ethylene dibromide
FS	feasibility study
HDR	HDR Engineering, Inc.
MCL	maximum contaminant level
MCPA	2-methyl-4-chlorophenoxyacetic acid
mg/L	milligrams per liter
MTCA	Models Toxic Control Act
PID	photo-ionization detector
ppmv	parts per million volume
QA/QC	quality assurance/quality control
RI	remedial investigation
RI/FS	remedial investigation/feasibility study
ROW	right-of-way
SGS	Simplot Grower Solutions
Simplot	J.R. Simplot Company
SOP	standard operating procedure
VOC	volatile organic compound
WAC	Washington Administrative Code



1 Introduction

This Phase 2 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.

This Phase 2 RI groundwater investigation report summarizes the December 2020 groundwater investigations 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 Remedial Investigation Activities* (HDR 2020a). **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).

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

1.3 Report Organization

This report includes the following sections:

- Section 1: Introduction – introduces the project, RI/FS objective, and Phase 2 goals.
- Section 2: RI Phase 2 Field Activities and Results – summarizes field activities conducted in December 2020 and presents sample analytical results.

- Section 3: Summary and Recommendations - summarizes RI Phase 1 and 2 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 RI Groundwater Sampling – December 2020

Field investigation activities followed the *Sampling and Analysis Plan: Phase 2 Remedial Investigation Activities* (HDR 2020a). 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.

For Phase 2 activities, soil cuttings from the GeoProbe were screened using a photo-ionization detector (PID) and recorded on boring logs. No soil samples were collected during Phase 2 activities. Rather, Phase 2 results, along with past sampling activities, will be used to design a Phase 3 RI soil sampling plan and subsequent phase activities.

2.1 Direct Push Groundwater Sampling and Monitoring Well Sampling Overview

A total of 15 borings were completed as part of Phase 2 RI activities. Borings were drilled between December 7 and December 17, 2020, and are illustrated in **Figure 3** (Appendix A). A total of 17 borings were initially planned; however, 2 borings, BH2-16 and BH2-17, were unable to be drilled due to utilities conflicts. (As shown in **Figure 3**, these two borings were planned along 3rd Street but utility conflicts required that the boring be moved to the east and on private property to which Simplot did not have access.) Boring locations were chosen based on previous (2009 and January 2020) direct push boring locations and current groundwater monitoring wells. **Table 2** (Appendix B) lists the rationale for each borehole location.

Eight borings were drilled on the SGS site, while seven borings were drilled off site. Of the eight on-site borings, seven were drilled to collect groundwater samples at first encountered saturated conditions (BH2-1 through BH2-7). In general, these borings were drilled to 12 feet below ground surface (bgs) to ensure there was enough groundwater to sample within a reasonable amount of time. Although four groundwater sample depths were planned for boring BH2-8 (HDR 2020a),



deeper samples could not be collected due to holes backfilling with silt and sand when deeper depths were attempted. Only two sample depths, 12 feet and 20 feet, were successful for boring BH2-8.

In addition to the direct push activities, monitoring wells were sampled 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 direct push groundwater data with potential upgradient sources. These samples were collected on December 10 and 11, 2020, during the same event as the direct push boring activities.

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) and with Milne Fruit for borings BH2-9, BH2-10, and BH2-11. In addition, notices were sent to residents along 2nd Street and 3rd Street that probing was planned to inform them of the activities and that access to their driveways would remain open.

2.2 Direct Push Field 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, checked the work area for private underground utilities. For any detected utilities, boreholes were moved at least 2 feet away from the underground utility. Based on the results of the private utility locate and the public utility locate, BH2-16 and BH2-17 were not drilled as utilities on both sides of the street (within the city ROW) were deemed too close to the borings (see photos in Appendix F). Simplot did not have access permission to move the boring further east on private property.

The standard operating procedure (SOP) for direct push sampling is presented in the work plan (HDR 2020a). This SOP covers both soil sampling and groundwater sampling for a GeoProbe rig, or equivalent direct-push technology. Only groundwater samples were collected for Phase 2. Samples were collected at the soil/groundwater interface (generally 8 to 12 feet bgs), and at one additional depth in BH2-8. Several borings were intended to have multiple depths drilled; however, due to the holes backfilling on themselves, deeper samples were not collected. Sampling was conducted on December 7 through December 17, 2020. A duplicate sample (BH2-18-W-12, collected with sample BH2-11-W-12) and an equipment rinsate sample (BH2-19-W-5, collected after sample BH2-15-W-5) were collected during the direct push borings.

Groundwater samples were preserved for the analyses to be performed as summarized in **Table 3** (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, the borings were plugged with bentonite and soil cuttings were placed in a 55-gallon drum. 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 for all borings and included in the boring logs. Following are the highest PID readings for each boring:

- BH2-1 high reading of 411 parts per million volume (ppmv) at 10 to 12 feet bgs.

- BH2-2 high reading of 270 ppmv at 10 to 12 feet bgs.
- BH2-3 high reading of 174 ppmv at 10 to 12 feet bgs.
- BH2-4 high reading of 9 ppmv at 2 to 4 feet bgs.
- BH2-5 high reading of 8 ppmv at 6 to 8 feet bgs.
- BH2-6 high reading of 7 ppmv at 8 to 10 feet bgs.
- BH2-7 high reading of 8 ppmv at 8 to 10 feet bgs.
- BH2-8 high reading of 128 ppmv at 12 to 15 feet bgs.
- BH2-9 high reading of 10 ppmv at 8 to 12 feet bgs.
- BH2-10 high reading of 15 ppmv at 8 to 10 feet bgs.
- BH2-11 high reading of 7 ppmv at 8 to 12 feet bgs.
- BH2-12 high reading of 18 ppmv at 10 to 12 feet bgs.
- BH2-13 high reading of 15 ppmv at 6 to 8 feet bgs.
- BH2-14 high reading of 19 ppmv at 10 to 12 feet bgs.
- BH2-15 high reading of 11 ppmv at 12 to 15 feet bgs.

Photos from sampling are contained within Appendix F.

2.3 Monitoring Well Sampling

Groundwater samples were collected from the seven monitoring wells associated with the site as part of Phase 2 activities. Sampling followed the SOP for monitoring well sampling (HDR 2020a). Monitoring well sampling activities included the following:

- Purging wells with a disposable bailer.
- 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 (MW-8, collected at MW-4) and a trip blank with the groundwater samples.

Purge water from groundwater sampling was placed in the aboveground storage tank basin for evaporation like groundwater sampling events in the past. Standard chain-of-custody procedures were followed from the time samples were collected until the time that samples arrived at the laboratory.

Table 4 (Appendix B) summarizes QA/QC field samples HDR collected.

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 SOPs. Lab reports are presented in Appendix C, field forms are presented in Appendix D, and a data validation report for the January 2020 sampling event is presented in Appendix E.



2.4 Groundwater Elevation and Flow Direction

Depth to groundwater at each monitoring well in December 2020 is presented in **Table 5** (Appendix B). **Figure 4** (Appendix A) illustrates groundwater elevation contours for December 2020. The calculated shallow groundwater flow direction is to the southeast (approximately 99.79 degrees from north) at a gradient of 0.02640 feet per foot (ft/ft). Based on the observed groundwater flow, the following wells are deemed up, down, or cross-gradient as follows:

- MW-1 – upgradient well
- MW-2 – upgradient well
- MW-3 – cross or downgradient well
- MW-4 – downgradient well
- MW-5R – downgradient well
- MW-6 – downgradient well
- MW-7 – downgradient well

2.5 Laboratory Results

Table 6 (Appendix B) summarizes the compounds detected in groundwater from December 2020 direct push groundwater sampling. **Table 7** (Appendix B) summarizes the compounds detected in groundwater from monitoring well sampling since the start of sampling in 2011. Washington CLARC levels are shown in both tables for comparison to lab results. Values highlighted in yellow represent a constituent that exceeds the most conservative CLARC levels based on the following:

- Federal maximum contaminant limit (MCL).
- State MCL (groundwater quality standard).
- MTCA Method A Table Value.
- MTCA Method B Carcinogen.
- MTCA Method B Non-Carcinogen.

The following constituents were detected in at least one monitoring well or GeoProbe boring above Washington CLARC levels during the December 2020 sampling event:

- **1,1,2-Trichloroethane:**
 - On-site: BH2-4
 - Off-site: none
 - Monitoring wells: none
- **1,2,4-Trimethylbenzene:**
 - On-site: BH2-1, BH2-2, BH2-3, BH2-8
 - Off-site: none
 - Monitoring wells: none
- **1,2-Dichloroethane:**
 - On-site: BH2-2, BH2-3, BH2-8
 - Off-site: BH2-13
 - Monitoring wells: MW-5R

- **1,2-Dichloropropane:**
 - On-site: BH2-4
 - Off-site: BH2-13
 - Monitoring wells: MW-4
- **1,2,3-Trichloropropane**
 - On-site: BH2-8
 - Off-site: none
 - Monitoring wells: none
- **1,3,5-Trimethylbenzene**
 - On-site: BH2-1, BH2-2, BH2-3, BH2-8
 - Off-site: none
 - Monitoring wells: none
- **Benzene:**
 - On-site: BH2-1, BH2-2, BH2-3, BH2-4, BH2-8
 - Off-site: BH2-12
 - Monitoring wells: none
- **M-Xylene & p-Xylene:**
 - On-site: BH2-2, BH2-3, BH2-8
 - Off-site: none
 - Monitoring wells: none
- **Naphthalene:**
 - On-site: BH2-1, BH2-2, BH2-3, BH2-8
 - Off-site: none
 - Monitoring wells: none
- **o-xylene:**
 - On-site: BH2-2
 - Off-site: none
 - Monitoring wells: none
- **Ethylene Dibromide (EDB):**
 - On-site: BH2-2, BH2-3, BH2-8
 - Off-site: none
 - Monitoring wells: none
- **Gasoline:**
 - On-site: BH2-1, BH2-2, BH2-3, BH2-8
 - Off-site: none
 - Monitoring wells: none
- **#2 Diesel:**
 - On-site: BH2-1, BH2-2, BH2-3, BH2-8
 - Off-site: BH2-13
 - Monitoring well: MW-2, MW-3, MW-5R



- **2,4-D:**
 - On-site: BH2-3
 - Off-site: none
 - Monitoring wells: none
- **2-methyl-4-chlorophenoxyacetic acid (MCPA)**
 - On-site: BH2-2
 - Off-site: none
 - Monitoring wells: none
- **Dissolved Arsenic:**
 - On-site: All borings
 - Off-site: All borings
 - All monitoring wells
- **Nitrate-N:**
 - On-site: BH2-1, BH2-2, BH2-3, BH2-4, BH2-5, BH2-6, BH2-7, BH2-8
 - Off-site: BH2-11, BH2-12, BH2-13, BH2-14, BH2-15
 - Monitoring wells: MW-4

A data validation report for the samples collected during Phase 2 activities is presented in Appendix E.

3 Discussion and Recommendations

In December 2020, groundwater samples were collected from 15 boreholes drilled using a GeoProbe drill rig and from the 7 monitoring wells associated with the site. All boreholes had one groundwater sample collected from the soil/groundwater interface. Two samples were collected from borehole BH2-8, with the second sample collected 9 feet deeper than the first. Eight of the boreholes had soil and/or groundwater with a detectable gas odor. Seventeen compounds were detected in the groundwater samples from the GeoProbe borings and/or monitoring wells above Washington CLARC levels:

- Nitrate-N
- Benzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- Naphthalene
- 1,1,2-Trichloroethane
- 1,2,3-Trichloropropane
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- m-Xylene & p-Xylene
- o-Xylene
- EDB
- Gasoline
- #2 Diesel
- Dissolved arsenic
- 2,4-D
- MCPA

Nitrate levels in boreholes ranged from 12 milligrams per liter (mg/L) (in BH2-5 and BH2-15) to 880 mg/L (in BH2-3). In the monitoring wells, nitrate-N was detected above the Washington CLARC level of 10 mg/L in MW-4.

In addition, several borings in the north to northeastern portion of the site had elevated levels of petroleum compounds (volatile organic compounds [VOCs], total petroleum hydrocarbons [TPH]) and EDB. Additionally, several on-site monitoring wells (MW-2, MW-3, MW-4, and MW-5R) had detections of #2 diesel and or petroleum VOCs above Washington CLARC level of 0.5 mg/L (these wells did not previously have detections above Washington CLARC levels). Upgradient borings, BH2-9, BH2-10, and BH2-11 did not exceed CLARC values, except for arsenic for all borings, and boring BH2-11 was elevated in nitrate-N with a concentration of 37 mg/L.

Table 8 (Appendix B) presents the GeoProbe January 2020 data and **Figure 3** (Appendix A) illustrates the locations of the January 2020 borings (BH numbered borings) and the December 2020 borings (BH2 numbered borings). The combination of the two phases of sampling provides a comprehensive understanding of groundwater conditions beneath the site. Simplot is currently assessing this data and plans to develop a Phase 3 RI work plan. This information will be used to support the RI effort.



4 References

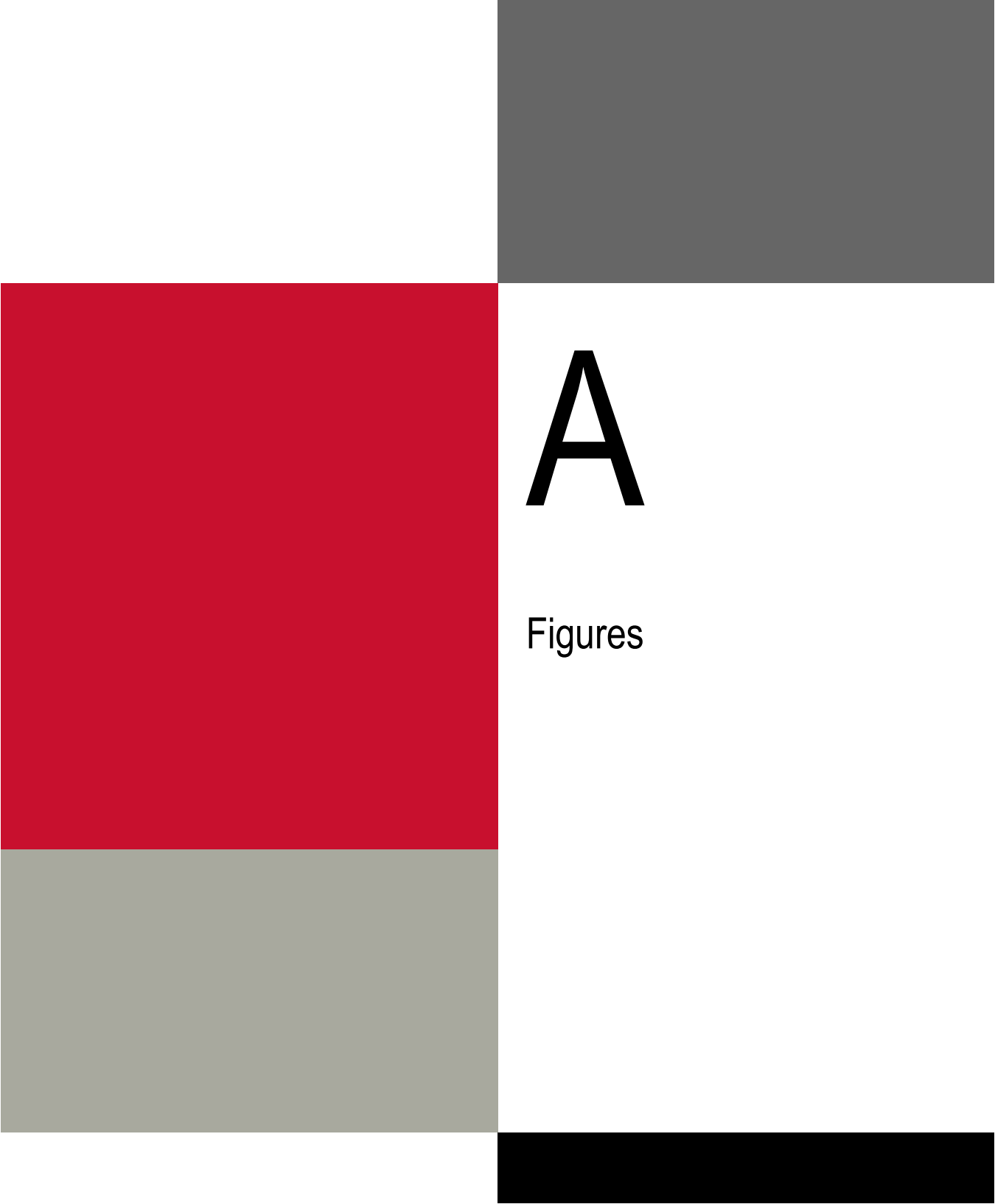
HDR [HDR Engineering, Inc.]

2020a. *Sampling and Analysis Plan: Phase 2 Remedial Investigation Activities.*

2020b. *Phase 1 Remedial Investigation Report.*

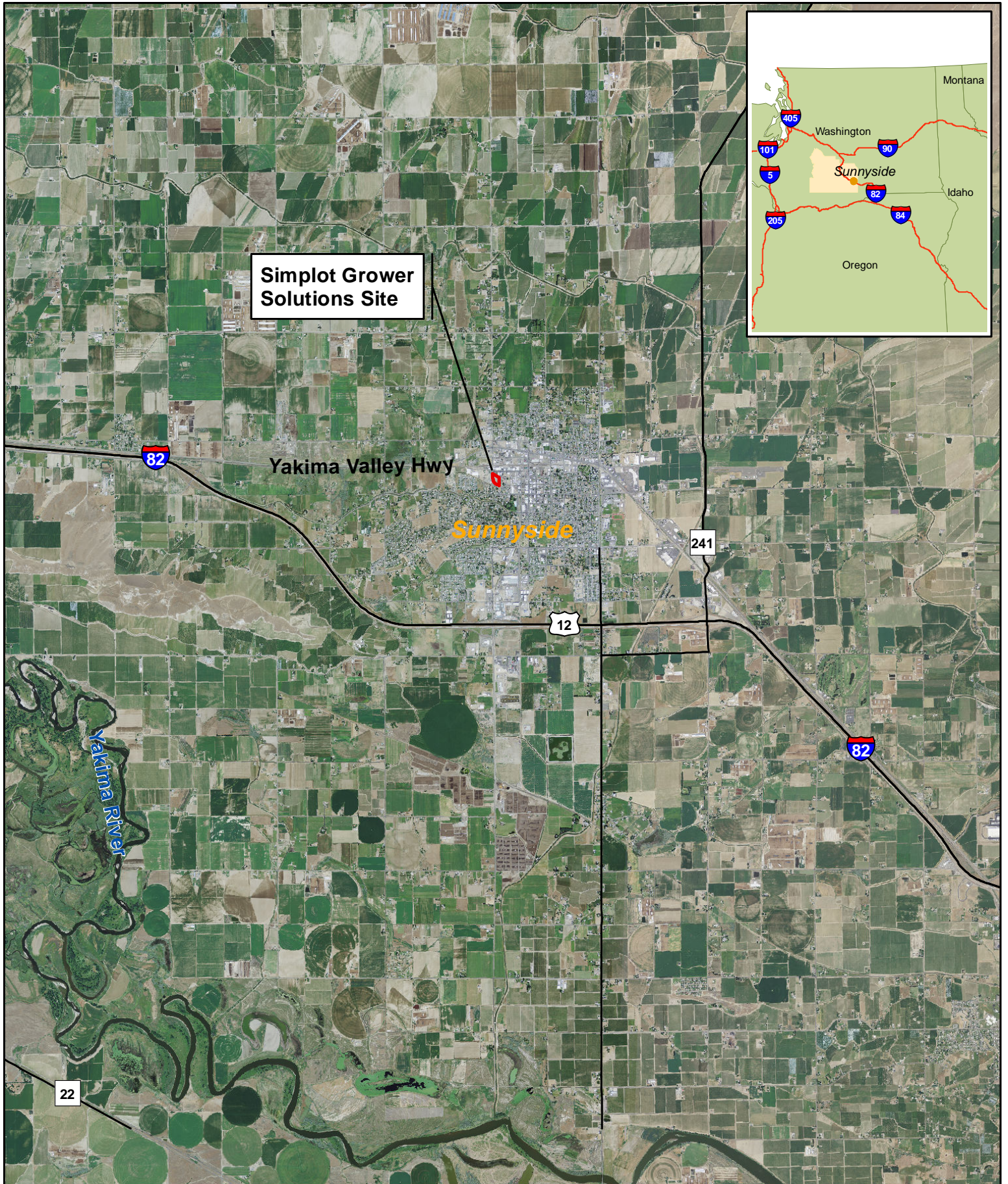
2019a. *Sampling and Analysis Plan.* Simplot Grower Solutions.

2019b. *Remedial Investigation Work Plan.* Simplot Grower Solutions. October 2019.



A

Figures



Simplot Grower Solutions Site

Yakima Valley Hwy

Sunnyside

Yakima River

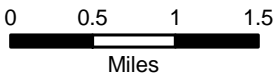


Figure 1: Vicinity Map
Simplot Grower Solutions, Sunnyside, WA



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

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



Homer St

Warehouse Ave

Bee-Jay Scales

Valley Processing

Blaine Ave

Loretta Ave

Simplot Grower Solutions Site

Milne Fruit

1st St

2nd St

3rd St

Zillah Ave

Legend

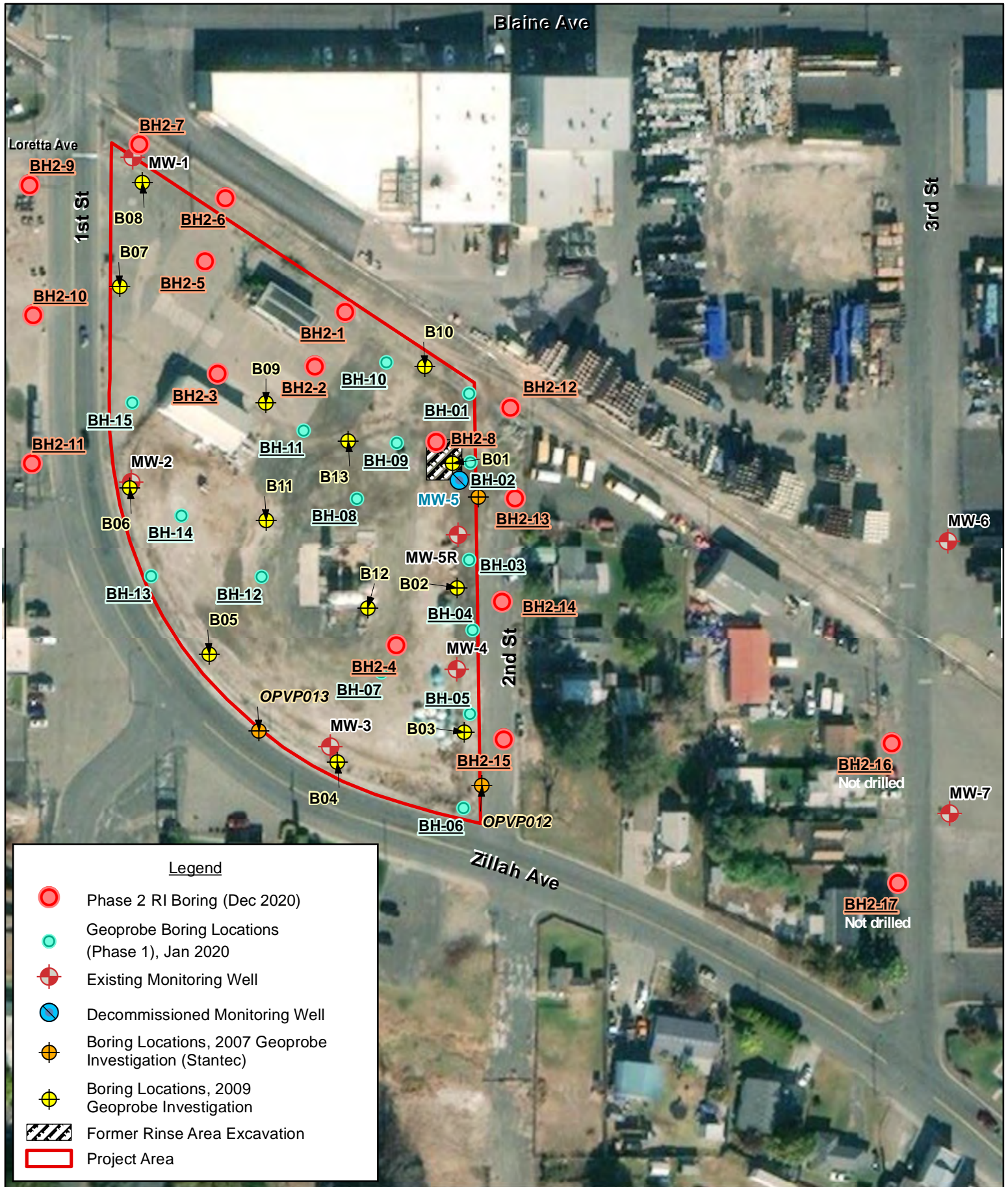
Project Area

Figure 2: Site Map

Simplot Grower Solutions, Sunnyside, WA

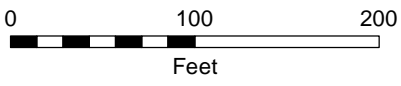
0 200 400
 Feet





Legend

- Phase 2 RI Boring (Dec 2020)
- Geoprobe Boring Locations (Phase 1), Jan 2020
- ⊕ Existing Monitoring Well
- Decommissioned Monitoring Well
- Boring Locations, 2007 Geoprobe Investigation (Stantec)
- ⊕ Boring Locations, 2009 Geoprobe Investigation
- Former Rinse Area Excavation
- Project Area



**Figure 3: Boring Locations
(GeoProbe 2007, 2009, 2020)**
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: Tuesday, June 9, 2020
Q:\Simplot\Sunnyside\map_docs\SiteMap2020.mxd

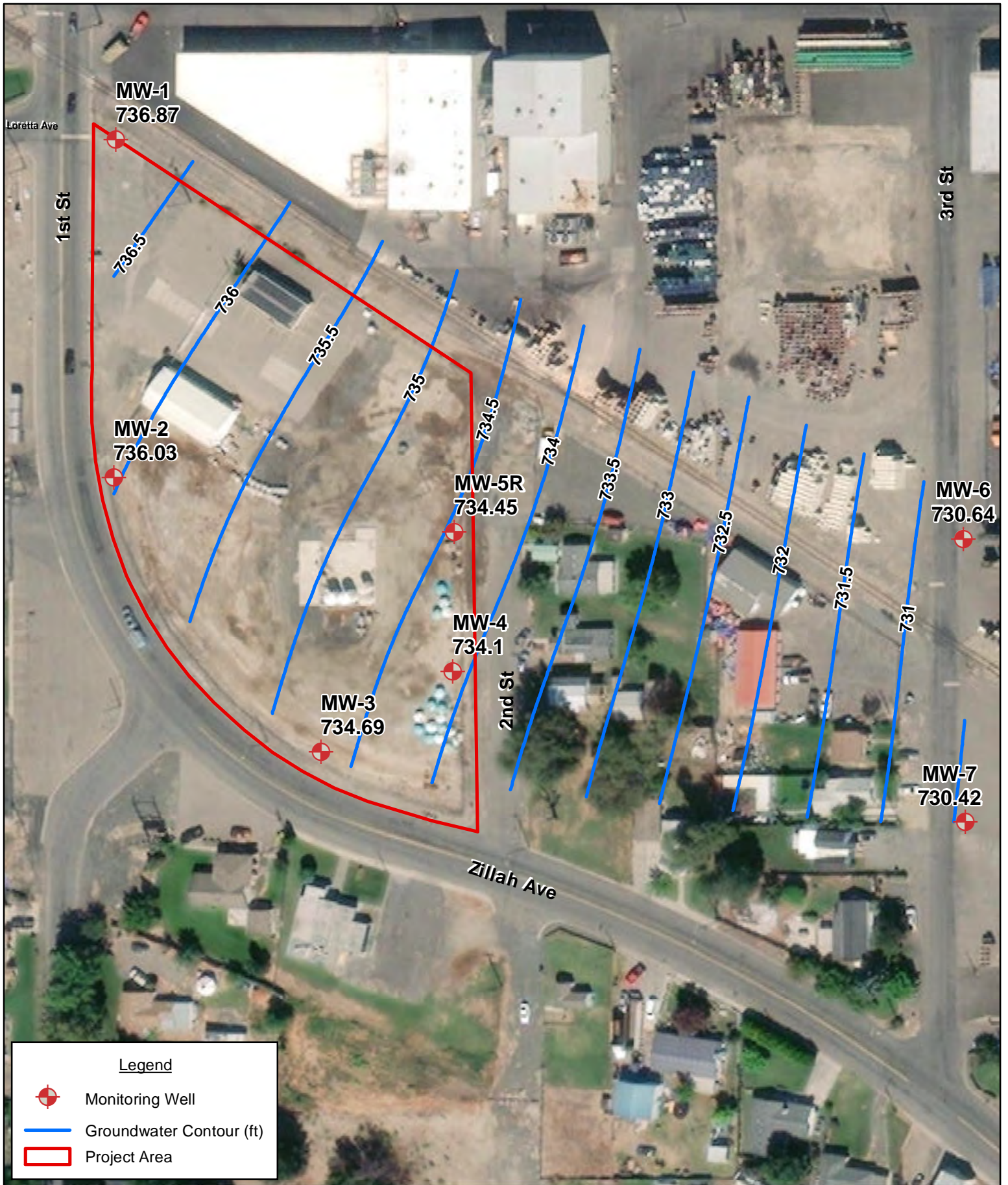
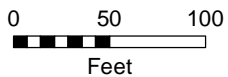
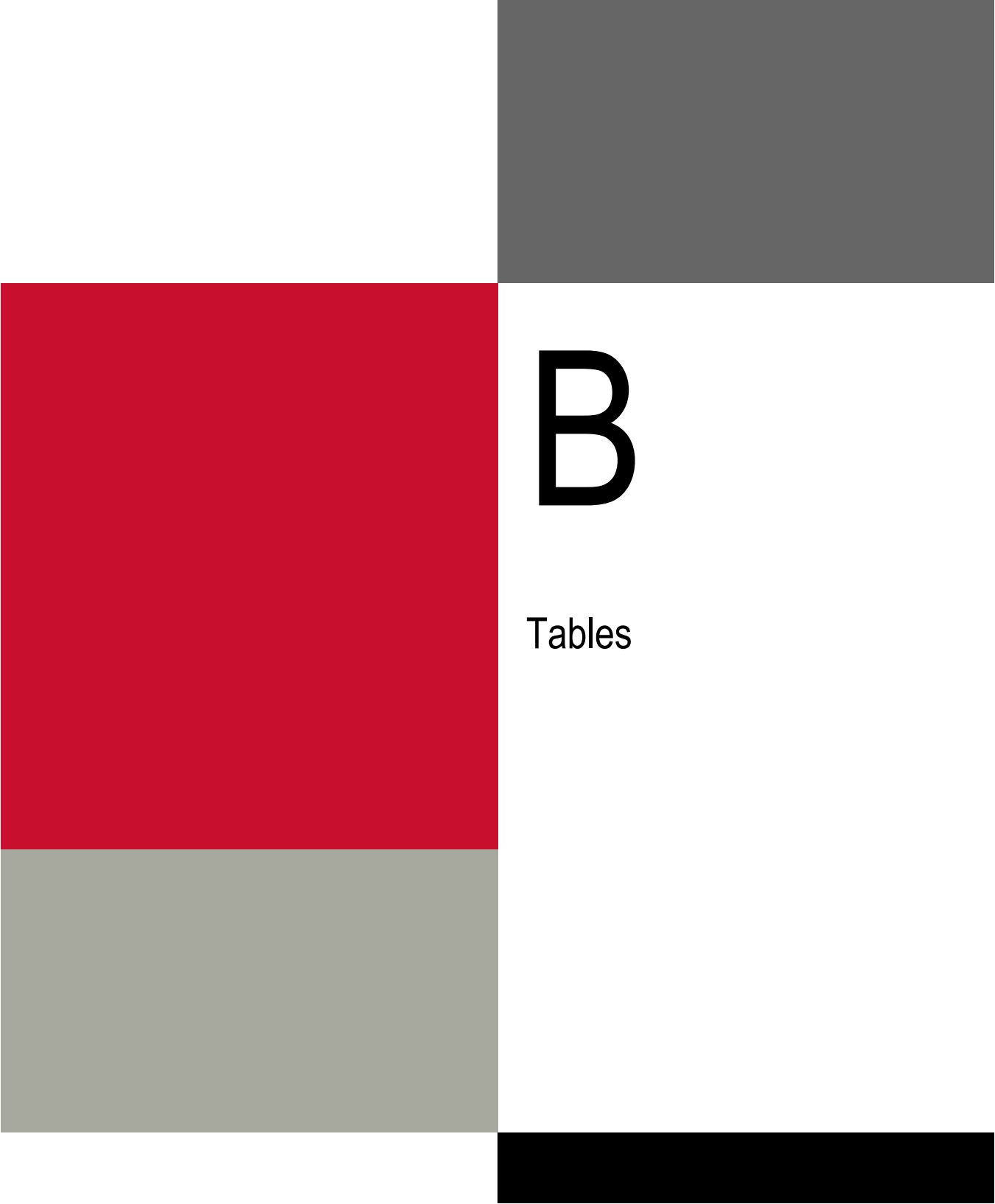


Figure 4: December 2020 Groundwater Elevation Contours
Simplot Grower Solutions, Sunnyside, WA





B

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	<i>Preliminary Site Investigation Work Plan</i> 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	<i>Preliminary Site Investigation Report</i> submitted to Ecology.
2010	June 4	Ecology response letter to the December 17, 2009 Preliminary Site Investigation Report.
2010	July	<i>Monitoring Well Construction and Sampling Work Plan</i> 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	<i>Monitoring Well Construction and Sampling Report</i> 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	<i>2011 Monitoring Well Sampling Report</i> 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	<i>Source Removal, Drain Evaluation, Monitoring Well Construction and Sampling Work Plan</i> 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	<i>Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report</i> 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 (this document)

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

Table 2. Groundwater Probe Location, Rationale, Sampling Depth¹

Boring ID	Location and Rationale	Groundwater Sample Depths (ft bgs)	# Samples
BH2-1	Northcentral property fence line, further define several VOCs, As, NAP, MCPA, NO3-N, and SO4 above CULs identified to the southeast (BH-09, BH-10, BH-11 area).	12	1
BH2-2	Southeast corner of office building, further define several VOCs, As, NAP, NO3-N, and SO4 above CULs identified to the east and southeast (BH-09, BH-10, BH-11 area).	12	1
BH2-3	Parking lot, north of warehouse, further define several VOCs, As, MCPA, NO3-N, and SO4 above CULs identified to the east (BH-09, BH-10, BH-11 area).	12	1
BH2-4	Southeast of tank farm in yard area, further define several VOCs, MCPA, and NO3-N above CULs.	12	1
BH2-5	Parking lot west of office, area not sampled previously, provides on-site upgradient information, and further defines NO3-N, and SO4.	12	1
BH2-6	North fence line near rail tracks, defines up and side-gradient conditions, area not sampled previously.	12	1
BH2-7	Northwest fence line near rail tracks, defines up and side-gradient conditions, area not sampled previously.	16	1
BH2-8	Northeast yard area, area of borings BH-9, BH-10, and BH-11, where VOCs exceeded CULs. Deep boring to assess if VOCs found with depth (assess for potential of DNAPL).	12, 20	2
BH2-9	Off-site, upgradient, west of facility, further define upgradient groundwater conditions.	12	1
BH2-10	Off-site, upgradient (south of BH2-9), west of facility, further define upgradient groundwater conditions.	12	1
BH2-11	Off-site, upgradient (south of BH2-10), west of facility, further define upgradient groundwater conditions.	12	1
BH2-12	Off-site, downgradient/cross gradient, 2 nd St., further define off-site downgradient groundwater quality condition.	16	1
BH2-13	Off-site, downgradient/cross gradient (south of BH2-12), 2 nd Street, further define off-site downgradient groundwater quality condition.	16	1
BH2-14	Off-site, downgradient/cross gradient (south of BH2-13), 2 nd Street, further define off-site downgradient groundwater quality condition.	16	1
BH2-15	Off-site, downgradient/cross gradient (south of BH2-14), further define off-site downgradient groundwater quality condition.	15	1
Total Number of Water Samples			16

¹ See Figure 3 for boring locations. The sample was collected at first water, with a 2-foot screen.
ft bgs = feet below ground surface

Table 3. Groundwater Analytical Methods

Analytical Parameter	Method	Preservative	Holding Times
Volatile Organic Compounds	USEPA 8260C	HCl and 4°C	14 days
Gasoline Range Organics (GRO)	NWTPH-Gx	HCl and 4°C	14 days
EDB	USEPA 8011	Sodium thiosulfate and 4°C	14 days
Chlorinated Herbicides	USEPA 8151A	4°C	7 days
Diesel Range Organics (DRO)	NWTPH-Dx	HCl and 4°C	14 days
RCRA ¹ Metals (Dissolved arsenic, barium, cadmium, chromium, lead, selenium, silver); field filtered	USEPA 6020A	HNO ₃	180 days
Dissolved Mercury (field filtered)	USEPA 7470A	HNO ₃	180 days
Chloride	USEPA 300.0	4°C	28 days
Sulfate	USEPA 300.0	4°C	28 days
Nitrate Nitrite, as N	USEPA 353.2	H ₂ SO ₄ and 4°C	28 days
Ammonia, as N	USEPA 350.1	H ₂ SO ₄ and 4°C	28 days

¹ Resource Conservation and Recovery Act (RCRA) metals; USEPA=U.S. Environmental Protection Agency

Table 4. QA/QC Field Samples

QA/QC Type	Number of Samples	Description
Duplicate	1 GeoProbe duplicate: BH2-18-W-12 1 monitoring well duplicate: MW-8	Duplicates were collected using the same sampling technique as the original sample. BH2-18-W-12 collected with sample BH-11-W-12. MW-8 collected with sample MW-4.
Trip Blank	1 trip blank	Water sample in sample bottle provided by laboratory and accompanied sample bottles.
Equipment Rinsate	BH2-19-W-5	BH2-19-W-5 collected with sample BH2-15-W-5. Poured distilled water down decontaminated boring equipment and into sample bottles.

Table 5. Depth to Groundwater and Groundwater Elevations for December 2020

Well	Reference Elevation	Measured Depth to Water	Groundwater Elevations
	(feet)		
MW-1	745.76	8.89	736.87
MW-2	745.34	9.31	736.03
MW-3	745.58	10.89	734.69
MW-4	744.95	10.85	734.1
MW-5R	745.41	10.96	734.45
MW-6	743.46	12.82	730.64
MW-7	743.06	12.64	730.42

Table 6. Phase 2 RI GeoProbe Investigation Results for Groundwater Samples December 2020

	BH2-1	BH2-2	BH2-3	BH2-4	BH2-5	BH2-6	BH2-7	BH2-8		BH2-9	BH2-10	BH2-11	BH2-12	BH2-13	BH2-14	BH2-15	CLARC
Sample Date	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/9/2020	12/9/2020	12/9/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	
Depth (feet)	12	12	12	12	12	12	16	12	20	12	12	12	16	16	12	15	
Volatile Organic Compounds (VOCs), EPA Method 8260C (µg/L)																	
1,1,1,2-Tetrachloroethane	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038 (F1, F2)	1.7
1,1,1-Trichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025 (F1, F2)	200
1,1,2,2-Tetrachloroethane	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056 (*1)	<0.056	<0.056	<0.056 (*1)	<0.056 (*1)	<0.056 (*1)	<0.056	<0.056	<0.056	<0.056 (F1, F2)	0.22
1,1,2-Trichloroethane	<0.07	<0.7	<0.07	7.5	<0.07	<0.07	<0.07	<0.7	<0.7	<0.07	<0.07	<0.07	<0.070	0.081 (J)	<0.070	<0.070 (F1, F2)	0.77
1,1-Dichloroethane	<0.025	<0.025	1.9	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.15 (J)	<0.025	<0.025	<0.025	<0.025	<0.025 (F1, F2)	7.7
1,1-Dichloroethene	<0.035	<0.035	0.21	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035 (F1, F2)	--
1,1-Dichloropropene	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036 (F1, F2)	--
1,2,3-Trichlorobenzene	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15 (F1, F2)	6.4
1,2,3-Trichloropropane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	9.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 (F1, F2)	0.00038
1,2,4-Trichlorobenzene	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17 (F1, F2)	1.5
1,2,4-Trimethylbenzene	590	2400	1900	45	1.7	0.19 (J)	<0.072 (*1)	1400	850	<0.072 (*1)	<0.072 (*1)	<0.072 (*1)	0.15 (J, B)	9.3 (B)	0.12 (J, B)	0.11 (J, F1, B, F2)	80
1,2-Dibromo-3-Chloropropane	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44 (F1, F2)	0.2
1,2-Dichlorobenzene	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038 (*1)	0.29 (J)	<0.038	<0.038 (*1)	<0.038 (*1)	<0.038 (*1)	<0.038	0.099 (J)	<0.038	<0.038 (F1, F2)	600
1,2-Dichloroethane	<0.043	150 (B)	320 (B)	0.89 (B)	<0.043	<0.043	<0.043	<0.043	13 (B)	<0.043	<0.043	<0.043	3	110 (H)	<0.043	0.63 (F1, F2)	0.48
1,2-Dichloropropane	<0.06	<0.06	<0.06	5.8	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	1.1	6.3	0.3	0.082 (J, F1, F2)	1.2
1,3,5-Trimethylbenzene	160	550	540	14	0.59	<0.15	<0.15 (*1)	380	190	<0.15 (*1)	<0.15 (*1)	<0.15 (*1)	<0.15	3.4	<0.15	<0.15 (F1, F2)	80
1,3-Dichlorobenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.080 (J, B)	0.082 (J, B)	0.066 (J, F1, B, F2)	--
1,3-Dichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1	<0.025	<0.025	<0.025	<0.025	0.044 (J)	<0.025	<0.025 (F1, F2)	160
1,4-Dichlorobenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 (F1, F2)	8.1
2,2-Dichloropropane	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06 (F1, F2)	--
2-Chlorotoluene	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	0.64	<0.12	<0.012 (F1, F2)	--
4-Chlorotoluene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 (F1, F2)	--
4-Isopropyltoluene	5.4	17	16	0.6	<0.15	<0.15	<0.15	6.8	5.1	<0.15	<0.15	<0.15	<0.15	0.16 (J)	<0.15	<0.15 (F1, F2)	--
Benzene	1.3	4800 (B)	11000	52 (B)	<0.03	<0.03	<0.03	44	17	<0.03	<0.03	<0.03	4.4	<0.03	<0.03	<0.03 (F1, F2)	0.8
Bromobenzene	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038 (F1, F2)	64
Bromoform	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16 (F1, F2)	5.5
Bromomethane	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062 (F1, F2)	11
Carbon tetrachloride	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025 (*1)	<0.025	<0.025	<0.025 (*1)	<0.025 (*1)	<0.025 (*1)	<0.025	<0.025	<0.025	<0.025 (F1, F2)	0.63
Chlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	6.3	<0.025	<0.025	<0.025	<0.025	0.24	1.9	<0.025	<0.025 (F1, F2)	100
Chlorobromomethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025 (F1, F2)	--
Chlorodibromomethane	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055 (F1, F2)	--
Chloroethane	<0.096	<0.096	0.86	<0.096	<0.096	<0.096	<0.096 (*-)	<0.096	<0.096	<0.096 (*-)	<0.096 (*-)	<0.096 (*-)	<0.096	<0.096	<0.096	<0.096 (F1, F2)	--
Chloroform	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.23	<0.03 (F1, F2)	1.4
Chloromethane	0.13 (J)	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068 (*-)	<0.068	<0.068	<0.068 (*-)	<0.068 (*-)	<0.068 (*-)	<0.068	0.083 (J)	<0.068	<0.068 (F1, F2)	--
cis-1,2-Dichloroethene	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055 (F1, F2)	--
cis-1,3-Dichloropropene	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09 (F1, F2)	--
Dibromomethane	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062	<0.062 (F1, F2)	--
Dichlorobromomethane	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	5	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06 (F1, F2)	--
Dichlorodifluoromethane	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13 (F1, F2)	1600
Ethylbenzene	2.6	<0.03	11	<0.03	0.1 (J)	0.04 (J)	<0.03	310	63	<0.03	0.032 (J)	<0.03	<0.03	<0.03	<0.03	<0.03 (F1, F2)	700
Hexachlorobutadiene	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067 (F1, F2)	0.56
Isopropylbenzene (Cumene)	29 (J)	140	130	3.4	<0.19	<0.19	<0.19 (*1)	83	24	<0.19 (*1)	<0.19 (*1)	<0.19 (*1)	<0.19	2.8	<0.19	<0.19 (F1, F2)	800

Table 6. Phase 2 RI GeoProbe Investigation Results for Groundwater Samples December 2020

	BH2-1	BH2-2	BH2-3	BH2-4	BH2-5	BH2-6	BH2-7	BH2-8		BH2-9	BH2-10	BH2-11	BH2-12	BH2-13	BH2-14	BH2-15	CLARC
Sample Date	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/9/2020	12/9/2020	12/9/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	
Depth (feet)	12	12	12	12	12	12	16	12	20	12	12	12	16	16	12	15	
Methyl tert-butyl ether	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07 (F1, F2)	20
Methylene Chloride	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2 (F1, F2)	5
m-Xylene & p-Xylene	170	2800	2500	32	0.86	0.22 (J)	<0.12	2400	640	<0.12	0.13 (J)	<0.12	0.23 (J, B)	6.1 (B)	0.24 (J, B)	0.20 (J, F1, B, F2)	1600
Naphthalene	240	450	660	18	<0.22	<0.22	<0.22	410	110	<0.22	<0.22	<0.22	0.78 (J, B)	11 (B)	0.62 (J, B)	0.61 (J, F1, B, F2)	160
n-Butylbenzene	6.4	32	22	11	<0.23	<0.23	<0.23 (*1)	25	7.2 (J)	<0.23 (*1)	<0.23 (*1)	<0.23 (*1)	0.33 (J, B)	<0.23	0.30 (J, B)	0.29 (J, F1, B, F2)	400
N-Propylbenzene	47	45	210	5	0.25 (J)	<0.091	<0.091	230	73	<0.091	<0.091	<0.091	<0.091	2.2	<0.091	<0.091 (F1, F2)	800
o-Xylene	230	3700	280	6.6	0.24 (J)	<0.15	<0.15	1100	260	<0.15	<0.15	<0.15	0.23 (J, B)	0.78 (B)	0.22 (J, B)	0.20 (J, F1, B, F2)	1600
sec-Butylbenzene	7.9	23	21	<0.17	<0.17	<0.17	<0.17 (*1)	8.5	6.6	<0.17 (*1)	<0.17 (*1)	<0.17 (*1)	0.41 (J)	<0.17	<0.17	<0.17 (F1, F2)	800
Styrene	<0.19	40	11	<0.19	<0.19	<0.19	<0.19	34	9.8	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19 (F1, F2)	100
tert-Butylbenzene	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26 (*1)	<0.26 (*1)	<0.26	<0.26	<0.26	<0.26	<0.26 (F1, F2)	800
Tetrachloroethene	0.092 (J)	<0.084	<0.084	<0.084	<0.084	<0.084	<0.084	0.25 (J)	<0.084	<0.084	<0.084	<0.084	0.23 (J)	<0.084	<0.084	<0.084 (F1, F2)	--
Toluene	0.15 (J)	12	13	0.16 (J)	0.079 (J)	<0.05	<0.05	9.2	1.3	<0.05	<0.05	<0.05	<0.05	0.25	0.057 (J)	<0.05 (F1, F2)	640
trans-1,2-Dichloroethene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033 (F1, F2)	--
trans-1,3-Dichloropropene	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092 (F1, F2)	--
Trichloroethene	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066 (F1, F2)	--
Trichlorofluoromethane	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043 (*- *1)	<0.043	<0.043	<0.043 (*- *1)	<0.043 (*- *1)	<0.043 (*- *1)	<0.043 (*- *1)	<0.043 (*- *1)	<0.043 (*- *1)	<0.043 (F1, *- *1, F2)	2400
Vinyl chloride	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013 (F1, F2)	0.029
8011 – Ethylene Dibromide (EDB) (mg/L)																	
Ethylene Dibromide	<0.002	0.58	3.4	<0.002	<0.002	<0.002	<0.002	0.029	<0.002	<0.0020	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0021	0.00001
NWTPH-Gx - Northwest Volatile Petroleum Products (mg/L)																	
Gasoline	9.2	30	22	0.36	<0.1	<0.1	<0.10	20	6.2	<0.10	<0.10	<0.10	0.18 (J)	0.11 (J)	<0.10	<0.10 (F1, F2)	0.8
NWTPH-DX - Northwest Volatile Petroleum Products (mg/L)																	
#2 Diesel (C10-C24)	4.8	8.4	22	0.12	0.16	0.22	0.12 (B)	4.4	2.1	0.17 (B)	0.14 (B)	0.073 (J B)	0.41	1.3	0.090 (J)	0.089 (J)	0.5
Motor Oil (>C24-C36)	0.15 (J)	0.49	3.5	<0.1	0.2 (J)	0.24 (J)	0.13 (J)	0.82	0.48	0.20 (J)	0.13 (J)	<0.099	0.29 (J, B)	1.4 (B)	<0.11	0.14 (J, B)	--
Method 8151A - Herbicides (µg/L)																	
2,4,5-T	<4.6 (*+)	<4.7 (*+)	<23 (*+)	<4.8 (*+)	<5.1 (*+)	<4.5 (*+)	<0.44 (*+ H)	<9.3 (*+)	<9.7 (*+)	<0.45 (*+ H)	<0.44 (*+ H)	<0.99 (H)	<2.3	<2.5	<0.99	<1.0	160
2,4-D	<5.3	36 (J)	190 (J *+)	<5.6	<5.8	<5.2	<0.51 (*+ H)	<11	<11	<0.52 (*+ H)	<0.51 (*+ H)	<1.1 (H)	<2.7	57	<1.1	<1.2	70
2,4-DB	<7.5	<7.7	<38 (*+)	<7.9	<8.3	<7.4	<0.72 (H)	<15	<16	<0.74 (H)	<0.73 (H)	<1.6 (H)	<3.8	<4.0	<1.6	<1.7	480
Dalapon	<9.2	<9.4	<47	<9.7	<10	<9	<0.88 (H)	<19	<19	<0.91 (H)	<0.89 (H)	<2 (H)	<4.6	<4.9	<2.0	<2.0	200
Dicamba	<4.4	<4.5	320 (*+)	<4.6	<4.8	<4.3	<0.42 (*+ H)	<8.9	<9.3	<0.43 (*+ H)	<0.42 (*+ H)	<0.95 (H)	<2.2	13	<0.94	<0.98	480
Dichlorprop	<6.6	<6.7	<33 (*+)	<6.9	<7.2	<6.5	<0.63 (*+ H)	<13	<14	<0.65 (*+ H)	<0.63 (H)	<1.4 (H)	<3.3	<3.5	<1.4	<1.5 (F1)	--
Dinoseb	<4.5	<4.6	<23	<4.8	<5	<4.5	<0.43 (H)	<9.2	<9.6	<0.45 (H)	<0.44 (H)	<0.98 (H)	<2.3	<2.4	<0.98	<1.0 (F1)	7
MCPA	<480	2300 (J)	<2400 (*+)	<510	<530	<470	<46 (H)	<970	<1000	<47 (H)	<46 (H)	<100 (H)	<240 (*+)	<260	<100 (*+)	<110 (*+)	8
MCPP	<330	2700 (J)	23000 (*+ B)	<350	<370	<330	<32 (H)	<680	<700	<33 (H)	<32 (H)	<72 (*+ H)	<170	<180	<72	<74 (F1)	--
Picloram	<2.4	<2.5	<12	<2.6	<2.7	<2.4	1 (*+ H)	<4.9	8.8 (J)	<0.24 (*+ H)	<0.23 (*+ H)	<0.52 (H)	<1.2	<1.3	<0.52	<0.54	500
Silvex (2,4,5-TP)	<1.7	2.2 (J)	<8.7 (*+)	<1.8	<1.9	<1.7	<0.16 (*+ H)	<3.5	<3.6	<0.17 (*+ H)	<0.17 (*+ H)	<0.37 (H)	<0.86	<0.92	<0.37	<0.38	50
Dissolved Metals - Method 6020B (mg/L)																	
Arsenic	0.18	0.2	0.025	0.032	0.027	0.015	0.024	0.45	0.13	0.038	0.011	0.031	0.066	0.25	0.046	0.084	0.000058
Barium	0.039	0.15	0.082	0.057	0.13	0.18	0.067	0.098	0.057	0.031	0.039	0.39	0.12	0.041	0.04	0.063	2
Cadmium	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00075 (J)	<0.0005	<0.00050	<0.0005	<0.0005	<0.00050	<0.00050	<0.00050	<0.00050	0.005
Chromium	<0.00087	0.0075	0.003 (J)	<0.00087	<0.00087	<0.00087	<0.00087	0.0014 (J)	0.0017 (J)	0.00098 (J)	<0.00087	0.016	<0.00087	0.00088 (J)	<0.00087	0.0039 (J)	0.05
Lead	0.0014 (J)	0.0081	0.0049	<0.001	<0.001	<0.001	<0.001	0.0026 (J)	0.0016 (J)	<0.0010	<0.001	0.0099	<0.0010	<0.0010	<0.0010	0.0023 (J)	0.015
Selenium	<0.01	<0.01	<0.01	0.011 (J)	<0.01	<0.01	<0.01	0.012 (J)	<0.01	<0.010	<0.01	<0.01	<0.010	<0.010	<0.010	0.013 (J)	0.05

Table 6. Phase 2 RI GeoProbe Investigation Results for Groundwater Samples December 2020

	BH2-1	BH2-2	BH2-3	BH2-4	BH2-5	BH2-6	BH2-7	BH2-8		BH2-9	BH2-10	BH2-11	BH2-12	BH2-13	BH2-14	BH2-15	CLARC
Sample Date	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/7/2020	12/9/2020	12/9/2020	12/9/2020	12/16/2020	12/16/2020	12/16/2020	12/16/2020	
Depth (feet)	12	12	12	12	12	12	16	12	20	12	12	12	16	16	12	15	
Silver	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.0020	<0.00028	<0.00028	<0.00028	0.08
General Chemistry (mg/L)																	
Chloride	140	530	330	220	32	34	67	160	56	390	140	110	160	370	71	200 (F1)	--
Sulfate	840	1100	2400	530	220	250	290	860	320	880	640	410	640	880	300	370	--
Ammonia as N	510	990	5.1	0.12	0.28	0.12	20	1100	450	1.4	0.97	<2.2	16	570	63	1.2 (F1)	--
Nitrate Nitrite as N	170	510	880	83	12	18	14 (B)	460	51	2.1 (B)	0.69 (B)	13	330	110 (B)	70	12	10

Notes:

Yellow highlighting = Exceeds Washington State CLARC levels.

Data qualifiers:

*+ = Laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) is outside acceptance limits, high biased.

*- = LCS and/or LCSD is outside acceptance limits, low biased.

*1 = LCS/LCSD relative percent difference (RPD) exceed control limits.

J = Result is less than the reporting limit (RL) but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.

B = Compound was found in the blank and sample.

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits.

H = Sample was prepped or analyzed beyond the specified holding time.

Acronyms: EPA = U.S. Environmental Protection Agency; µg/L=micrograms per liter; mg/L=milligrams per liter; MCPA= 2-methyl-4-chlorophenoxyacetic acid; MCPP= Mecoprop (also known as methylchlorophenoxypropionic acid)

Table 7. Groundwater Monitoring Well Sample Results Updated for December 2020

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013	10/9/2013	10/28/2014	4/29/2015	10/14/2015	4/19/2016	10/31/2016	5/3/2017	12/28/2017	4/25/2018	9/11/2018	1/31/2020	12/11/2020	CLARC
MW-1																				
Sulfate	NA	NA	NA	NA	NA	140	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160	95	--
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42	25	--
Ammonia-Nitrogen	0.52	0.77	0.49	0.66	0.16	0.17	0.18	0.14	<0.038	<0.038	0.0414	0.075	0.124	0.112	<0.0317	<0.10	<0.10	<0.26	0.046	--
Nitrate-Nitrite	8.3	7.8	6.4	5.6	7.5	5.5	5.9	5.1	6.2	4.1	5.78	7.6	1.8	11.5	5.71	7.2	6.2	14	4.4	10
Arsenic (dissolved)	<0.020	0.049	0.038	0.036	0.034	0.037	0.017	0.04	0.043	0.03	0.0478	0.0418	0.0423	0.0402	0.0473	0.0861	0.0396	0.036	0.043	0.000058
Barium (dissolved)	0.065	0.12	0.053	0.034	0.09	0.04	0.057	0.051	0.064	0.057	0.0554	0.0512	0.0681	0.0721	0.0524	1.49	0.122	0.1	0.057	2
Cadmium (dissolved)	<0.0050	0.0055	<0.0050	<0.0050	0.0023	<0.00070	0.0058	<0.00070	<0.00070	0.0015	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070	0.0011	<0.000080	<0.0005	<0.00050	0.005
Chromium (dissolved)	<0.010	<0.010	<0.010	<0.010	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	0.0709	0.0041	0.0011	<0.00087	0.5
Lead (dissolved)	0.011	<0.0050	<0.0050	<0.0050	<0.0019	<0.0019	0.0041	<0.0019	<0.0019	<0.0019	0.00455	<0.00190	<0.00190	<0.00190	<0.00190	0.0438	0.0033	<0.001	<0.0010	0.015
Selenium (dissolved)	<0.020	0.038	<0.020	<0.020	0.0086	0.015	0.02	<0.0074	<0.0074	0.0088	0.00902	<0.00740	<0.00740	0.00924	0.00841	0.0116	0.0054	<0.010	<0.040	0.05
Silver (dissolved)	<0.010	<0.010	<0.010	<0.010	0.0033	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.00280	<0.00280	<0.00280	<0.00280	<0.00280	0.00068	<0.00050	<0.00028	<0.00028	0.08
Trichloroethene	0.0033	<0.0010	<0.0010	<0.0010	<0.0010	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.000398	<0.000398	<0.000398	<0.000398	<0.000398	<0.00040	<0.0004	<0.000066	<0.000066	--
Residual Range Organics	<0.32	<0.25	0.44	<0.25	<0.082	<0.082	<0.082	<0.082	<0.082	<<0.082	NA	NA	NA	NA	NA	NA	NA	0.24	0.1	--
Diesel Range Organics	<0.13	<0.10	<0.10	<0.10	<0.033	0.063	<0.033	<0.033	0.04	0.045	NA	NA	NA	NA	NA	NA	NA	<0.070	0.23	0.5
Benzo (a) anthracene	<0.000050	<0.000050	<0.000050	<0.000050	<0.000012	<0.000012	<0.000012	<0.000012	<0.000012	0.0000079	NA	NA	NA	NA	NA	NA	NA	NA	NA	--
Naphthalene	<0.0050	<0.0050	<0.00025	<0.0050	0.00089	0.00003	0.000022	0.000022	<0.000020	0.000027	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00022	<0.00022	0.16
Methylene Chloride	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0014	<0.0010	<0.0010	<0.0010	0.00188	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00074	<0.0012	0.005
1-Methylnaphthalene	<0.00025	<0.00025	<0.00025	<0.00025	<0.000082	<0.000082	<0.000082	<0.000082	<0.000082	0.0000095	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015
2-Methylnaphthalene	<0.00025	<0.00025	<0.00025	<0.00025	<0.000090	<0.000090	<0.000090	<0.000065	<0.000090	0.000012	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.032
1,2-Dichloroethane	<0.0010	<0.0010	<0.0010	<0.0010	<0.00036	<0.00036	<0.00036	<0.00036	<0.00036	<0.00036	<0.000361	<0.000361	<0.000361	<0.000361	<0.000361	<0.0010	<0.0010	<0.000043	0.000044	0.00048
Chloromethane	<0.0025	<0.0025	<0.0025	<0.0025	<0.0028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.000276	<0.000276	<0.000276	<0.000276	<0.000276	<0.0040	<0.0040	<0.00015	0.00017	--
1,2,4-Trimethylbenzene	<0.0010	<0.0010	<0.0010	<0.0010	0.00043	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.000373	<0.000373	<0.000373	<0.000373	<0.00373	<0.0010	<0.0010	<0.000072	0.00017	0.08
MW-2																				
Sulfate	NA	NA	NA	NA	NA	290	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200	220	--
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44	49	--
Ammonia-Nitrogen	0.17	<0.10	0.22	0.18	<0.015	0.051	0.1	0.077	<0.038	<0.038	<0.0380	0.063	<0.0380	0.12	<0.0317	<0.10	<0.1	<0.26	0.033	--
Nitrate-Nitrite	7.1	5.8	6.2	5.1	3.4	2.5	2.6	2.8	2.2	2.2	2.6	2.81	2.98	3.4	3.28	3.5	3.3	2.8	3.4	10
Arsenic (dissolved)	0.058	0.081	0.11	0.083	0.06	0.067	0.029	0.064	0.06	0.047	0.0526	0.0505	0.0551	0.0543	0.0618	0.0659	0.0722	0.053	0.048	0.000058
Barium (dissolved)	0.037	0.091	0.049	0.037	0.053	0.056	0.064	0.061	0.07	0.082	0.0891	0.0606	0.06	0.0495	0.0378	0.181	0.204	0.048	0.043	2
Cadmium (dissolved)	<0.0050	<0.0050	<0.0050	<0.0050	0.0021	<0.00070	0.0053	<0.00070	<0.00070	0.0012	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070	0.00011	0.00011	<0.0005	<0.00050	0.005
Chromium, (dissolved)	<0.010	<0.010	<0.010	<0.010	<0.0014	0.002	<0.0014	<0.0014	<0.0014	<0.0014	<0.00140	<0.00140	<0.00140	<0.00140	<0.00140	0.0086	0.0087	<0.00087	<0.00087	0.5
Lead (dissolved)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0019	<0.0019	0.0037	<0.0019	<0.0019	<0.0019	0.00683	<0.00190	<0.00190	<0.00190	<0.00190	0.0062	0.0061	<0.001	<0.0010	0.015
Selenium (dissolved)	<0.020	<0.020	<0.020	<0.020	<0.0074	0.013	0.016	<0.0074	<0.0074	<0.0074	<0.00740	<0.00740	<0.00740	<0.00740	<0.00740	0.0033	0.0027	<0.01	<0.010	0.05
Chloromethane	<0.0025	<0.0025	<0.0025	<0.0025	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.000276	<0.000276	<0.000276	<0.000276	<0.000276	<0.0040	<0.00400	<0.00015	0.00021	--
Methylene Chloride	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0014	<0.0010	<0.0010	<0.0010	0.00187	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00074	<0.0012	0.005
Trichloroethene	0.0016	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00040	<0.00040	<0.00040	<0.00040	<0.000389	<0.000398	<0.000398	<0.000398	<0.000398	<0.00040	<0.0004	<0.000066	<0.000066	--
1,2,4-Trimethylbenzene	<0.0010	<0.0010	<0.0010	<0.0010	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.000373	<0.000373	<0.000373	<0.000373	<0.000373	<0.0010	<0.0010	<0.000072	0.00017	0.08
Diesel Range Organics (DRO)	<0.13	<0.10	<0.10	<0.10	<0.033	<0.033	<0.033	<0.033	<0.033	0.049	NA	NA	NA	NA	NA	NA	NA	<0.069	0.69	0.5
Residual Range Organics (RRO)	<0.32	<0.25	<0.25	<0.25	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082	NA	NA	NA	NA	NA	NA	NA	0.18	0.21	--
Naphthalene	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.000025	<0.000020	<0.000020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00022	<0.00022	0.16
Benzo(a)anthracene	<0.000050	<0.000050	<0.000050	<0.000050	<0.000012	<0.000012	<0.000012	<0.000012	<0.000012	0.0000074	NA	NA	NA	NA	NA	NA	NA	NA	NA	--

Table 7. Groundwater Monitoring Well Sample Results Updated for December 2020

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013	10/9/2013	10/28/2014	4/29/2015	10/14/2015	4/19/2016	10/31/2016	5/3/2017	12/28/2017	4/25/2018	9/11/2018	1/31/2020	12/11/2020	CLARC
Benzo(b)fluoranthene	<0.000050	<0.000050	<0.000050	<0.000050	<0.000014	<0.000014	<0.000014	<0.000014	<0.000014	0.0000021	NA	NA	NA	NA	NA	NA	NA	NA	NA	--
MW-3																				
Sulfate	NA	NA	NA	NA	NA	590	630	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	410	390	--
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	71	61	--
Ammonia-Nitrogen	0.15	<0.10	<0.10	<0.10	<0.038	<0.038	0.11	0.086	<0.038	<0.038	0.0853	0.058	<0.038	0.047	<0.0317	<0.10	<0.10	<0.26	0.036	--
Nitrate-Nitrite	7	8.5	11	9.3	11	12	18	7.7	16	16	14.9	12.1	10.1	10.4	7.49	6.7	6.6	8.3	5.9	10
Arsenic (dissolved)	0.027	0.062	0.038	0.062	0.036	0.05	<0.0065	0.039	0.046	0.026	0.0554	0.0521	0.052	0.0598	0.057	0.0916	0.0505	0.056	0.05	0.000058
Barium (dissolved)	0.072	0.053	0.046	0.038	0.046	0.043	0.046	0.044	0.045	0.044	0.242	0.0344	0.0382	0.0342	0.0324	1.03	0.0582	0.032	0.03	2
Cadmium (dissolved)	<0.0050	<0.0050	<0.005	<0.0050	0.0018	<0.00070	0.005	<0.00070	<0.00070	0.0013	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070	0.0004	<0.00008	<0.00050	<0.00050	0.005
Chromium, (dissolved)	<0.010	<0.010	<0.010	<0.010	<0.0014	0.003	<0.0014	<0.0014	<0.0014	<0.0014	0.00694	<0.00140	0.00148	<0.00140	<0.00140	0.0592	0.0013	<0.00087	<0.00087	0.5
Lead (dissolved)	0.027	<0.0050	<0.0050	<0.0050	<0.0017	0.0035	<0.0019	<0.0019	<0.0019	<0.0019	0.016	<0.00190	<0.00190	<0.00190	<0.00190	0.0356	0.00073	<0.001	<0.001	0.015
Selenium (dissolved)	0.036	0.095	<0.020	0.021	0.034	0.04	0.065	0.038	0.034	0.031	0.0358	0.0273	0.0259	0.0262	0.0201	0.0231	0.0169	0.018	0.015	0.05
Trichloroethene	0.001	<0.0010	<0.0010	<0.0010	<0.00040	<0.00040	<0.00038	<0.00040	<0.00040	<0.00040	<0.000389	<0.000398	<0.000398	<0.00280	<0.000389	<0.00040	<0.0004	<0.000066	<0.000066	--
Methylene Chloride	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.00179	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00074	<0.0012	0.005
Diesel Range Organics (DRO)	<0.13	<0.10	<0.10	<0.10	0.042	0.07	0.077	<0.033	0.16	0.17	NA	NA	NA	NA	NA	NA	NA	0.2	0.94	0.5
Residual Range Organics (RRO) (motor oil)	<0.32	<0.25	<0.25	<0.25	<0.082	<0.082	<0.082	<0.082	0.086	0.11	NA	NA	NA	NA	NA	NA	NA	0.26	0.36	--
Naphthalene	<0.0050	<0.0050	<0.0050	<0.0050	<0.00059	0.000035	<0.000020	0.000027	<0.000020	0.000027	<0.0010	<0.0010	<0.00100	<0.00100	<0.0050	<0.0040	<0.0040	<0.00022	<0.00022	0.16
1,2-Dichloroethane	<0.0010	<0.0010	<0.0010	<0.0010	<0.00036	<0.00036	<0.00036	<0.00036	<0.00036	<0.00036	<0.000361	<0.000361	<0.000361	<0.000361	<0.000361	<0.0010	<0.0010	0.000092	0.00008	0.00048
Chloromethane	<0.0025	<0.0025	<0.0025	<0.0025	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.000276	<0.000276	<0.000276	<0.00276	<0.000276	<0.0040	<0.0040	0.00018	0.000095	--
MW-4																				
Sulfate	NA	NA	NA	NA	NA	140	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	170	--
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	51	--
Ammonia-Nitrogen	0.24	<0.10	0.11	0.4	<0.038	0.052	0.11	0.074	<0.038	<0.038	<0.0380	0.048	<0.0380	0.039	<0.0317	<0.10	<0.10	<0.26	0.031	--
Nitrate-Nitrite	14	9.6	8.4	7.8	79	6.7	5.1	4.8	6.6	6.2	9.66	11.1	123 (48.4) ¹	74	28.5	38	31.8	37	18	10
Arsenic (dissolved)	<0.020	0.04	0.028	0.031	0.024	0.024	<0.0065	0.027	0.032	0.017	0.0302	0.0251	0.0356	0.0315	0.0273	0.0477	0.0324	0.028	0.029	0.000058
Barium (dissolved)	0.054	0.043	0.11	0.041	0.13	0.038	0.039	0.04	0.049	0.055	0.043	0.0362	0.0974	0.0386	0.0436	0.586	0.263	0.056	0.045	2
Cadmium (dissolved)	<0.0050	<0.0050	<0.0050	<0.0050	0.0025	0.00096	0.0064	<0.00070	<0.00070	0.00081	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070	0.00032	0.00013	<0.0005	<0.00050	0.005
Chromium (dissolved)	NA	<0.010	<0.010	<0.010	0.0027	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.00140	<0.00140	0.0038	<0.00140	<0.00140	0.0324	0.0113	<0.00087	<0.00087	0.5
Lead (dissolved)	0.012	<0.0050	0.0062	<0.0050	<0.0019	<0.0019	0.0028	<0.0019	<0.0019	<0.0019	0.00541	<0.00190	<0.00190	<0.00190	<0.00190	0.0234	0.0092	<0.001	<0.0010	0.015
Selenium (dissolved)	<0.020	0.039	<0.020	<0.020	0.01	0.012	0.023	<0.0074	<0.0074	<0.0074	<0.00740	<0.00740	0.0289	0.0128	0.0089	0.0074	0.0048	<0.010	<0.010	0.05
Diesel (DRO)	NA	<0.10	<0.10	<0.10	<0.033	0.053	<0.033	<0.033	0.034	<0.033	NA	NA	NA	NA	NA	NA	NA	<0.069	0.19	0.5
Motor Oil (RRO)	NA	<0.25	<0.25	<0.25	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082	NA	NA	NA	NA	NA	NA	NA	0.19	0.1	--
1,2-Dichloropropane	0.014	0.016	0.0056	0.004	0.065	0.0054	0.005	0.0046	0.0063	0.0063	0.00689	0.00752	0.0603	0.0492	0.0428	0.0686	0.0649	0.069	0.055	0.0012
Chlorobenzene	NA	<0.0010	<0.0010	<0.0010	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	<0.000348	<0.000348	<0.000348	<0.000348	<0.000348	<0.0010	<0.0010	<0.000025	0.000052	0.1
Chloromethane	NA	<0.0025	<0.0025	<0.0025	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.000276	<0.000276	<0.000276	<0.000276	<0.000276	<0.0040	<0.0040	<0.00015	0.00019	--
Methylene Chloride	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0014	<0.0010	<0.0010	<0.0010	0.00188	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00074	<0.0012	0.005
Benzo(a)anthracene	NA	<0.000050	<0.000050	<0.000050	<0.000012	<0.000012	<0.000012	<0.000012	<0.000012	0.0000088	NA	NA	NA	NA	NA	NA	NA	NA	NA	--
Naphthalene	NA	<0.0050	<0.0050	<0.0050	<0.00059	0.000029	<0.000020	0.000025	<0.000020	0.000049	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00022	<0.00022	0.16
MW-5																				
Ammonia-Nitrogen	860	480	850	370	Well abandoned (November-2012) due to excavation															--
Nitrate-Nitrite	530	200	310	290																10
Arsenic (dissolved)	0.074	0.18	0.16	0.23																0.000058

Table 7. Groundwater Monitoring Well Sample Results Updated for December 2020

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013	10/9/2013	10/28/2014	4/29/2015	10/14/2015	4/19/2016	10/31/2016	5/3/2017	12/28/2017	4/25/2018	9/11/2018	1/31/2020	12/11/2020	CLARC	
Barium (dissolved)	0.12	0.04	0.038	0.054																2	
Cadmium (dissolved)	<0.0050	0.0061	<0.0050	<0.0050																	0.005
Lead (dissolved)	0.0074	<0.0050	<0.0050	<0.0050																	0.5
Gasoline Range Organics	1.5	1.5	0.86	1.8																	0.8
Acrolein	<0.25	<0.25	<0.050	0.068																	0.004
Benzene	0.18	0.16	0.077	0.14																	0.0008
Chlorobenzene	0.0056	0.0055	0.0035	0.0042																	0.1
2-Chlorotoluene	<0.0050	<0.0050	<0.0010	0.003																	--
1,2-Dichloroethane	0.18	0.11	0.082	0.18																	0.00048
1,2-Dichloropropane	0.012	0.0091	0.0052	0.0093																	0.0012
Ethylbenzene	<0.0050	<0.0050	0.0011	0.0011																	0.7
Isopropylbenzene	<0.0050	<0.0050	0.0024	0.0032																	0.8
n-Propylbenzene	0.0068	0.0072	0.005	0.0071																	0.8
1,2,4-Trimethylbenzene	0.082	0.068	0.048	0.084																	0.08
1,2,3-Trimethylbenzene	0.024	0.02	0.012	0.021																	0.08
1,3,5-Trimethylbenzene	0.024	0.021	0.015	0.024																	0.08
Xylenes, Total	0.25	0.2	0.14	0.2																	1.6
Diesel Range Organics	1.5	1.4	0.61	2																	0.5
Residual Range Organics	<0.32	<0.25	<0.25	0.26																	--
Fluorene	<0.000050	<0.000050	<0.00005	0.000055																	0.64
Naphthalene	0.026	0.016	0.017	0.028																	0.16
Phenanthrene	<0.000050	<0.000050	<0.000050	0.00026																	--
Pyrene	<0.000050	<0.000050	<0.000050	0.000053																	0.48
1-Methylnaphthalene	0.0044	0.003	0.0026	0.0039																	0.0015
2-Methylnaphthalene	0.0061	0.004	0.0034	0.0048																	0.032
2,4-D	<0.0020	<0.0020	0.03	0.036																	0.07
Dinoseb	0.0088	0.0094	0.0098	<0.010																	0.007
MW-5R																					
Sulfate					NA	350	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	290	300	--	
Chloride					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	88	78	--	
Ammonia-Nitrogen					0.17	0.1	0.1	0.084	<0.038	<0.038	<0.038	0.059	<0.038	0.058	<0.0317	<0.10	<0.10	<0.26	0.039	--	
Nitrate-Nitrite					35	30	51	51	33	22	21	18.4	22	24.8	21.1	16.8	15.3	10	8.2	10	
Mercury (dissolved)					<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	0.0000494	<0.00020	<0.00020	<0.00015	NA	0.002	
Arsenic (dissolved)					0.05	0.066	0.027	0.064	0.081	0.068	0.0869	0.0781	0.0809	0.0759	0.0783	0.0956	0.0632	0.063	0.065	0.000058	
Barium (dissolved)					0.054	0.035	0.04	0.035	0.036	0.031	0.107	0.0325	0.0396	0.0352	0.0361	0.493	0.282	0.035	0.036	2	
Cadmium (dissolved)					0.0028	0.0017	0.0067	0.00091	<0.00070	0.0028	0.000867	0.00147	<0.00070	0.00148	0.00129	0.0011	0.00056	0.00062	0.00052	0.005	
Chromium, (dissolved)					<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.00338	<0.00140	<0.00140	0.0015	<0.00140	0.0264	0.0142	0.0011	<0.00087	0.5	
Lead (dissolved)					<0.0019	<0.0019	0.0053	<0.0019	<0.0019	<0.0019	0.0128	<0.00190	<0.00190	<0.00190	0.00773	0.0212	0.0118	<0.001	<0.0010	0.015	
Selenium (dissolved)					0.017	0.014	0.028	0.022	0.0089	0.012	0.0098	<0.00740	<0.00740	<0.00740	<0.00740	0.0109	0.0079	<0.01	<0.010	0.05	
Silver (dissolved)					0.0038	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.00280	<0.00280	<0.00280	<0.00280	<0.00280	<0.00050	<0.00050	<0.00028	<0.00028	0.08	
1,2-Dichloroethane					0.0051	0.0045	0.004	0.0056	0.0044	0.0031	0.0028	0.0028	0.003	0.00374	0.00248	0.0032	0.0019	0.0026	0.0018	0.00048	
Chlorobenzene					<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	<0.000348	<0.000348	<0.000348	<0.000348	<0.000348	<0.0010	<0.0010	<0.000025	0.000043	0.1	
Diesel Range Organics (DRO)					<0.033	0.064	0.089	<0.033	<0.033	0.054	NA	NA	NA	NA	NA	NA	NA	<0.070	0.59	0.5	

Table 7. Groundwater Monitoring Well Sample Results Updated for December 2020

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013	10/9/2013	10/28/2014	4/29/2015	10/14/2015	4/19/2016	10/31/2016	5/3/2017	12/28/2017	4/25/2018	9/11/2018	1/31/2020	12/11/2020	CLARC
Residual Range Organics (RRO)					<0.082	<0.082	0.085	<0.082	<0.082	<0.082	NA	NA	NA	NA	NA	NA	NA	0.21	0.15	--
Naphthalene					<0.00059	0.000029	<0.000020	0.000028	<0.000020	0.00003	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.0040	<0.0040	<0.00022	<0.00022	0.16
1,2,3-Trichloropropane					<0.00081	<0.00081	<0.00081	<0.00081	<0.00081	<0.00081	<0.000807	<0.000807	<0.000807	<0.000807	<0.000807	<0.0040	<0.0040	0.00027	<0.000050	0.0000038
1,1-Dichloroethane					<0.00026	<0.00026	<0.00026	<0.0026	<0.00026	<0.00026	<0.000259	<0.000259	<0.000259	<0.000259	<0.000259	<0.0010	<0.0010	0.000029	<0.000035	0.0077
1,2-Dichloropropane					0.00063	0.00048	0.00033	0.00066	<0.00031	<0.00031	<0.000306	<0.000306	<0.000306	<0.000306	<0.000306	<0.0040	<0.0040	0.00017	0.00015	0.0012
Methylene Chloride					<0.0010	<0.0010	0.0012	<0.0010	<0.0010	<0.0010	0.00173	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00074	<0.0012	0.005
Dalapon					<0.00088	<0.00088	<0.00088	<0.00088	<0.00013	<0.00013	NA	NA	NA	NA	NA	NA	NA	<0.00094	0.0012	0.2
MW-6																				
Sulfate					NA	36	37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38	42	--
Chloride					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	13	--
Ammonia-Nitrogen					<0.038	0.13	<0.038	0.12	<0.038	<0.038	0.0517	0.056	<0.0380	0.057	<0.0317	<0.10	<0.10	1.1	0.039	--
Nitrate-Nitrite					2.7	2.9	2.9	2.5	2.8	2.3	3.4	3.42	3.07	3.7	3.19	3.2	3	2.5	2.9	10
Mercury (dissolved)					<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	<0.000049	0.0000492	<0.00020	<0.00020	<0.00015	NA	0.002
Arsenic (dissolved)					0.0073	0.012	<0.0065	0.014	0.023	0.0088	0.0208	0.0158	0.0197	0.017	0.0162	0.0295	0.0154	0.018	0.019	0.000058
Barium (dissolved)					0.11	0.062	0.07	0.064	0.065	0.066	0.115	0.0657	0.0695	0.0655	0.0661	0.502	0.179	0.059	0.074	2
Cadmium (dissolved)					0.0029	0.00072	0.0083	<0.00070	<0.00070	0.00073	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070	0.00044	0.000089	<0.0005	<0.00050	0.005
Chromium, (dissolved)					0.0045	0.0036	0.0032	0.0022	0.0029	0.0037	0.00702	0.00378	0.00393	0.00419	0.00311	0.033	0.0098	0.0042	0.005	0.5
Lead (dissolved)					<0.0019	<0.0019	0.0064	<0.0019	<0.0019	0.0028	0.0117	<0.00190	<0.00190	<0.00190	<0.00190	0.0179	0.0053	<0.001	0.0011	0.015
Selenium (dissolved)					<0.0074	<0.0074	0.014	<0.0074	<0.0074	<0.0074	<0.00740	<0.00740	<0.00740	<0.00740	<0.00740	0.0035	0.0017	<0.01	<0.010	0.05
Diesel Range Organics (DRO)					<0.033	0.051	<0.033	<0.033	<0.033	0.039	NA	NA	NA	NA	NA	NA	NA	<0.068	0.16	0.5
Residual Range Organics (RRO)					<0.082	<0.082	<0.082	<0.082	<0.082	<0.082	NA	NA	NA	NA	NA	NA	NA	0.17	0.1	--
Methylene Chloride					<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.00165	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00074	<0.0012	0.005
Naphthalene					<0.00059	0.000031	0.000028	0.000025	<0.000020	0.000079	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040	<0.0040	<0.00022	<0.00022	0.16
MW-7																				
Sulfate					NA	35	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35	37	--
Chloride					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	12	--
Ammonia-Nitrogen					0.069	0.12	0.16	0.097	<0.038	<0.038	<0.038	0.063	<0.0380	0.054	<0.0317	<0.10 (<0.10)	<0.10	<0.26	0.038	--
Nitrate-Nitrite					2.4	2.5	1.9	2.5	2.2	2.3	2.97	2.81	2.5	3.06	2.62	15.7 (2.4)	2.3	2.1	2.4	10
Arsenic (dissolved)					<0.0065	<0.0065	<0.0065	0.014	0.014	<0.0065	0.0137	0.0136	0.0103	0.012	0.0141	0.0618 (0.0098)	0.0201	0.0098	0.011	0.000058
Barium (dissolved)					0.12	0.068	0.098	0.074	0.066	0.074	0.0741	0.0726	0.0738	0.0719	0.0707	2.19 (0.069)	0.434	0.066	0.089	2
Cadmium (dissolved)					0.0026	0.0007	0.0077	<0.00070	<0.00070	0.00076	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070	0.0017 (<0.00008)	0.00031	<0.0005	<0.00050	0.005
Chromium (dissolved)					0.0039	0.0028	0.0034	0.0018	0.0026	0.0029	0.00316	0.00325	0.00362	0.00348	0.00273	0.131 (0.003)	0.0252	0.0033	0.0044	0.5
Lead (dissolved)					<0.0019	<0.0019	0.0041	0.0021	<0.0019	<0.0019	0.0074	<0.00190	<0.00190	<0.00190	<0.00190	0.0531 (0.00015)	0.0156	<0.001	0.0012	0.015
Selenium (dissolved)					0.0097	<0.0074	0.019	<0.0074	<0.0074	<0.0074	<0.00740	<0.00740	<0.00740	<0.00740	<0.00740	0.0151 (0.0017)	0.0022	<0.01	<0.010	0.05
Diesel Range Organics (DRO)					<0.033	0.033	<0.033	<0.033	<0.033	<0.033	NA	NA	NA	NA	NA	NA	NA	<0.067	0.24	0.5
Residual Range Organics (RRO)					<0.082	<0.082	<0.082	<0.082	<0.082	<0.082	NA	NA	NA	NA	NA	NA	NA	0.16	0.13	--
Chloromethane					<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.000276	<0.000276	<0.000276	<0.000276	<0.000276	<0.0040 (<0.0040)	<0.0040	<0.00015	0.000076	--

Table 7. Groundwater Monitoring Well Sample Results Updated for December 2020

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013	10/9/2013	10/28/2014	4/29/2015	10/14/2015	4/19/2016	10/31/2016	5/3/2017	12/28/2017	4/25/2018	9/11/2018	1/31/2020	12/11/2020	CLARC				
Naphthalene					<0.00059	0.000029	0.000038	0.000055	<0.000020	0.00057	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040 (<0.0040)	<0.0040	<0.00022	<0.00022	0.16				
Methylene Chloride					<0.0010	<0.0010	0.0014	<0.0010	<0.0010	<0.0010	0.00163	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0040 (<0.0040)	<0.0040	<0.00074	<0.0012	0.005			
Phenanthrene					<0.000082	<0.000082	<0.000082	<0.000082	<0.000082	0.000012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	
1-Methylnaphthalene					<0.000082	<0.000082	<0.000082	<0.000082	<0.000082	0.000018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015
2-Methylnaphthalene					<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	0.000028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.032

Notes:

Table shows compounds that were above detection limit at some time during 15 sampling events.

Yellow highlighting = Exceeds Washington State CLARC levels.

Gray shade = exceeds federal maximum contaminant level, state maximum contaminant level, and/or Models Toxic Control Act thresholds (see Appendix C for listing).

mg/L = milligrams per liter; NA = Constituent not analyzed during this sampling event.

¹MW-4 was resampled November 15, 2016.

Table 8. Phase I RI Investigation GeoProbe Boring Locations, January 2020

	BH-01		BH-02		BH-03		BH-04		BH-05		BH-06		BH-07	BH-08	BH-09	BH-10	BH-11	BH-12	BH-13	BH-14	BH-15	CLARC
Sample Date	1/30/20		1/30/20		1/29/20		1/29/20		1/29/20		1/29/20		1/29/20	1/29/20	1/29/20	1/28/20	1/28/20	1/28/20	1/28/20	1/28/20	1/28/20	
Depth (feet)	8	16	8	16	8	16	8	16	8	16	8	16	8	8	8	8	8	12	8	8	8	
MCP	410	160 J	<33	<34	<33	<32	<37	<33	<35	<33	<37	<35	<33	<36	2300 J P	<380	<3700	<34	<34	<39	<39	16
2,4,5-T	<0.47	<0.46	<0.45	<0.47	<0.45	<0.44	<0.51	<0.45	<0.48	<0.46	<0.50	<0.48	<0.46	<0.49	<5.0	<5.3	<50	<0.47	<0.47	<0.54	<0.54	160
2,4,5-TP (Silvex)	<0.17	<0.17	<0.17	<0.18	<0.17	<0.17	<0.19	<0.17	<0.18	<0.17	<0.19	<0.18	<0.17	<0.18	<1.9	<2.0	<19	<0.17	<0.17	<0.20	<0.20	50
Picloram	<0.25	<0.24	<0.24	<0.25	<0.24	<0.23	<0.27	<0.24	<0.25	<0.24	<0.27	<0.25	<0.24	<0.26	<2.7	<2.8	28 J p	<0.25	<0.25	<0.29	<0.29	500
General Chemistry (mg/L)																						
Nitrate-Nitrite	480	0.57	<0.060	<0.060	0.59	0.55	0.22	<0.060	93	6.5	6.6	1.2 J	64	19	140 F1	820	0.25	2.7	14	2	5.3	10
Ammonia-Nitrogen	300	77	200	54	0.33 J	0.32 J	0.58	0.30 J	<0.26	<0.26	0.85	1	<0.26	0.26 J	63	610	14	0.35 J	0.30 J	0.32 J	<0.26	--
Chloride	240	110 B	170 B	67 B	99 B	90 B	110 B	20 B	31 B	210 B	140 B	110 B	200 B	150 B	890 B	310 B	190 B	19 B	120 B	27 B	88 B	--
Sulfate	900	470	300	280	560	360	360	90	190	460	520	240	360	370	870	1600	190	110	270	110	200	--

Notes:

Yellow highlighting = Exceeds Washington State CLARC levels.

Data qualifiers:

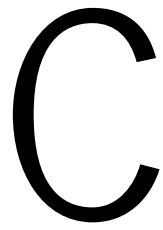
J = Result is less than the reporting limit (RL) but greater than or equal to the method detection limit (MDL); concentration is approximate.

B = Compound was found in the blank and the sample.

p = The relative percent difference (RPD) between the primary and confirmation column/detector is >40%. Lower value has been reported.

H4 = Container indicated preservation; however, measured pH was >2 at time of analysis. Analysis date was more than 7 days from sampling date, as required for samples not preserved to pH<2.

Acronyms: EPA = U.S. Environmental Protection Agency; µg/L=micrograms per liter; mg/L=milligrams per liter; GC=gas chromatography; CVAA=cold vapor atomic absorption; ICP/MS=inductively coupled plasma mass spectrometry; MCPA= 2-methyl-4-chlorophenoxyacetic acid; MCP= Mecoprop (also known as methylchlorophenoxypropionic acid)



C

Laboratory Reports

ANALYTICAL REPORT

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-99709-1

Client Project/Site: Simplot - Sunnyside, WA- 2020

For:

HDR Inc
412 E. Parkcenter Blvd.
Suite 100
Boise, Idaho 83706-6659

Attn: Dr. Michael Murray

M. Elaine Walker

Authorized for release by:
1/18/2021 4:47:14 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Job ID: 580-99709-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-99709-1

Receipt

Eight samples were received on 12/11/2020 11:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.3° C, 2.6° C, 2.7° C and 3.7° C.

GC/MS VOA

Method 8260C LL: Surrogate recovery for the following samples were outside control limits: BH2-2-W-12 (580-99709-2), BH2-3-W-12 (580-99709-3), BH2-8-W-12 (580-99709-7) and BH2-8-W-20 (580-99709-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C LL: The method blank for analytical batch 580-345471 contained 1,2-Dichloroethane and Hexachlorobutadiene above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method 8260C LL: The method blank for analytical batch 580-345516 contained Chlorobenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260C LL: The method blank for analytical batch 580-345650 contained Benzene and 1,2-Dichloroethane above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method 8260C LL: The method blank for analytical batch 580-345810 contained Benzene above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method 8260C LL: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: BH2-1-W-12 (580-99709-1), BH2-2-W-12 (580-99709-2), BH2-3-W-12 (580-99709-3), BH2-4-W-12 (580-99709-4), BH2-8-W-12 (580-99709-7) and BH2-8-W-20 (580-99709-8).

Methods 8260C LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: BH2-1-W-12 (580-99709-1), BH2-2-W-12 (580-99709-2), BH2-3-W-12 (580-99709-3), BH2-8-W-12 (580-99709-7) and BH2-8-W-20 (580-99709-8). Elevated reporting limits (RLs) are provided.

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

GC VOA

Method NWTPH-Gx: Surrogate recovery for the following samples were outside control limits: BH2-1-W-12 (580-99709-1), BH2-3-W-12 (580-99709-3) and BH2-8-W-12 (580-99709-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8011: The following sample was diluted to bring the concentration of target analytes within the calibration range: BH2-3-W-12 (580-99709-3). Elevated reporting limits (RLs) are provided.

Method 8151A: The following samples were diluted due to the nature of the sample matrix: BH2-1-W-12 (580-99709-1), BH2-2-W-12 (580-99709-2), BH2-3-W-12 (580-99709-3), BH2-4-W-12 (580-99709-4), BH2-5-W-12 (580-99709-5), BH2-6-W-12 (580-99709-6), BH2-8-W-12 (580-99709-7) and BH2-8-W-20 (580-99709-8). Elevated reporting limits (RLs) are provided. Samples were diluted due to the color of the extract.

Method 8151A: The laboratory control sample (LCS) for preparation batch 280-520347 and analytical batch 280-523041 recovered outside

Case Narrative

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Job ID: 580-99709-1 (Continued)

Laboratory: Eurofins TestAmerica, Seattle (Continued)

control limits for the following analyte: 2,4,5-T. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. 8151 BH2-1-W-12 (580-99709-1), BH2-4-W-12 (580-99709-4), BH2-5-W-12 (580-99709-5), BH2-6-W-12 (580-99709-6) and BH2-8-W-12 (580-99709-7).

Method 8151A: Surrogate recovery for the following samples were outside control limits: BH2-1-W-12 (580-99709-1), BH2-2-W-12 (580-99709-2), BH2-5-W-12 (580-99709-5), BH2-6-W-12 (580-99709-6) and BH2-8-W-12 (580-99709-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8151A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-520347 and analytical batch 280-523295 recovered outside control limits for the following analytes: 2,4,5-T, 2,4-D, 2,4-DB, Dicamba, Dichlorprop, Silvex (2,4,5-TP), MCPA, and MCPP. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. 8151 BH2-3-W-12 (580-99709-3).

Method 8151A: Surrogate recovery for the following sample was outside the upper control limit: (MB 280-520347/1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8151A: The surrogate recovery for the method blank is low on both columns. Sample have been run a total of 5 times and hold time has expired therefore data have been reported. Affected samples are 8151BH2-2-W-12 (580-99709-2) and BH2-8-W-20 (580-99709-8) preparation batch 280-520347 and analytical batch 280-523736.

Method 8151A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-520347 and analytical batch 280-523736 recovered outside control limits for the following analytes: 2,4,5-T. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. 8151 BH2-2-W-12 (580-99709-2) and BH2-8-W-20 (580-99709-8).

Method 8151A: Sample BH2-1-W-12 (580-99709-1) has high density. The volume was calculated from the weight and the amount of salt used was reduced. For 8151 in batch preparation batch 280-520347 .

Method 8151A: The following samples: BH2-1-W-12 (580-99709-1), BH2-2-W-12 (580-99709-2), BH2-3-W-12 (580-99709-3), BH2-4-W-12 (580-99709-4), BH2-5-W-12 (580-99709-5), BH2-6-W-12 (580-99709-6), BH2-8-W-12 (580-99709-7) and BH2-8-W-20 (580-99709-8) was decanted prior to preparation. Due to a large amount of sediment. For 8151 in batch preparation batch 280-520347 .

Method 8151A: During pH adjustment, the following samples required 15 mL of base to reach the desired pH: BH2-1-W-12 (580-99709-1), BH2-2-W-12 (580-99709-2), BH2-3-W-12 (580-99709-3), BH2-8-W-12 (580-99709-7) and BH2-8-W-20 (580-99709-8). Most samples take less than 10 mL to reach the desired range. For 8151 in batch preparation batch 280-520347 .

Method 8151A: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: Methanol was inadvertently omitted during the esterification process. The TMSD was neutralized per SOP and the esterification process was re-attempted. Final analysis will determine how the results are affected. The samples were also sent back for re-extraction out of hold to confirm in hold results. Both sets of data will be reported.

Method NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: BH2-1-W-12 (580-99709-1), BH2-2-W-12 (580-99709-2), BH2-3-W-12 (580-99709-3) and BH2-4-W-12 (580-99709-4).

Method NWTPH-Dx: The diesel range peak profile present in this sample BH2-1-W-12 (580-99709-1), BH2-2-W-12 (580-99709-2) and BH2-3-W-12 (580-99709-3) is atypical of a hydrocarbon pattern and consists of discrete peaks.

Method NWTPH-Dx: The method blank for preparation batch 580-346190 and analytical batch 580-346287 contained #2 Diesel (C10-C24) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method NWTPH-Dx: Surrogate recovery for the following sample was outside control limits: BH2-8-W-12 (580-99709-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Job ID: 580-99709-1 (Continued)

Laboratory: Eurofins TestAmerica, Seattle (Continued)

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 300.0: The method blank for preparation batch 580-345758 contained Sufate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 300.0: The method blank for preparation batch 580-346182 contained Sufate above the method detection limit. This target analyte concentration was less than half the reporting limit (RL); therefore, re-extraction and/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.



Definitions/Glossary

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Qualifiers

GC/MS VOA

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.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
X	Surrogate recovery exceeds control limits

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

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.
α	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

Eurofins TestAmerica, Seattle

Definitions/Glossary

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

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Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-1-W-12

Lab Sample ID: 580-99709-1

Date Collected: 12/07/20 11:42

Matrix: Water

Date Received: 12/11/20 11:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 18:03	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 18:03	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 18:03	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/14/20 18:03	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/14/20 18:03	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/14/20 18:03	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 18:03	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 18:03	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/14/20 18:03	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 18:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 18:03	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/14/20 18:03	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/14/20 18:03	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/14/20 18:03	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 18:03	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/14/20 18:03	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 18:03	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 18:03	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 18:03	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 18:03	1
4-Isopropyltoluene	5.4		0.50	0.15 ug/L			12/14/20 18:03	1
Benzene	1.3		0.20	0.030 ug/L			12/14/20 18:03	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 18:03	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 18:03	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 18:03	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 18:03	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/14/20 18:03	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 18:03	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 18:03	1
Chloroethane	ND		0.50	0.096 ug/L			12/14/20 18:03	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 18:03	1
Chloromethane	0.13 J		0.50	0.068 ug/L			12/14/20 18:03	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 18:03	1
cis-1,3-Dichloropropane	ND		0.20	0.090 ug/L			12/14/20 18:03	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 18:03	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/14/20 18:03	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 18:03	1
Ethylbenzene	2.6		0.20	0.030 ug/L			12/14/20 18:03	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/14/20 18:03	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 18:03	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 18:03	1
n-Butylbenzene	6.4		1.0	0.23 ug/L			12/14/20 18:03	1
N-Propylbenzene	47		0.30	0.091 ug/L			12/14/20 18:03	1
sec-Butylbenzene	7.9		1.0	0.17 ug/L			12/14/20 18:03	1
Styrene	ND		1.0	0.19 ug/L			12/14/20 18:03	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 18:03	1
Tetrachloroethene	0.092 J		0.50	0.084 ug/L			12/14/20 18:03	1
Toluene	0.15 J		0.20	0.050 ug/L			12/14/20 18:03	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 18:03	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-1-W-12

Lab Sample ID: 580-99709-1

Date Collected: 12/07/20 11:42

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/14/20 18:03	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 18:03	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 18:03	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/14/20 18:03	1
4-Bromofluorobenzene (Surr)	108		80 - 120		12/14/20 18:03	1
Dibromofluoromethane (Surr)	97		80 - 120		12/14/20 18:03	1
Toluene-d8 (Surr)	116		80 - 120		12/14/20 18:03	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	590		30	7.2 ug/L			12/17/20 12:16	100
1,3,5-Trimethylbenzene	160		50	15 ug/L			12/17/20 12:16	100
Isopropylbenzene	29 J		100	19 ug/L			12/17/20 12:16	100
m-Xylene & p-Xylene	170		50	12 ug/L			12/17/20 12:16	100
Naphthalene	240		100	22 ug/L			12/17/20 12:16	100
o-Xylene	230		50	15 ug/L			12/17/20 12:16	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		12/17/20 12:16	100
4-Bromofluorobenzene (Surr)	101		80 - 120		12/17/20 12:16	100
Dibromofluoromethane (Surr)	101		80 - 120		12/17/20 12:16	100
Toluene-d8 (Surr)	103		80 - 120		12/17/20 12:16	100

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9.2		0.25	0.10 mg/L			12/14/20 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	202	S1+	50 - 150		12/14/20 16:24	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/21/20 15:26	12/22/20 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dibromopropane	106		60 - 140		12/21/20 15:26	12/22/20 15:02	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	10	4.6 ug/L		12/14/20 11:47	01/11/21 04:40	10
2,4-D	ND		40	5.3 ug/L		12/14/20 11:47	01/11/21 04:40	10
2,4-DB	ND		40	7.5 ug/L		12/14/20 11:47	01/11/21 04:40	10
Dalapon	ND		20	9.2 ug/L		12/14/20 11:47	01/11/21 04:40	10
Dicamba	ND		20	4.4 ug/L		12/14/20 11:47	01/11/21 04:40	10
Dichlorprop	ND		40	6.6 ug/L		12/14/20 11:47	01/11/21 04:40	10
Dinoseb	ND		10	4.5 ug/L		12/14/20 11:47	01/11/21 04:40	10
MCPA	ND		4000	480 ug/L		12/14/20 11:47	01/11/21 04:40	10
MCPP	ND		4000	330 ug/L		12/14/20 11:47	01/11/21 04:40	10

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-1-W-12

Lab Sample ID: 580-99709-1

Date Collected: 12/07/20 11:42

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND		5.0	2.4 ug/L		12/14/20 11:47	01/11/21 04:40	10
Silvex (2,4,5-TP)	ND		10	1.7 ug/L		12/14/20 11:47	01/11/21 04:40	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	2	S1- D	39 - 135			12/14/20 11:47	01/11/21 04:40	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4.8		0.11	0.066 mg/L		12/19/20 10:50	12/21/20 21:41	1
Motor Oil (>C24-C36)	0.15	J	0.36	0.098 mg/L		12/19/20 10:50	12/21/20 21:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150			12/19/20 10:50	12/21/20 21:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.18		0.0050	0.0010 mg/L		12/22/20 19:38	12/23/20 14:18	5
Barium	0.039		0.0060	0.0011 mg/L		12/22/20 19:38	12/23/20 14:18	5
Cadmium	ND		0.0040	0.00050 mg/L		12/22/20 19:38	12/23/20 14:18	5
Chromium	ND		0.0040	0.00087 mg/L		12/22/20 19:38	12/23/20 14:18	5
Lead	0.0014	J	0.0040	0.0010 mg/L		12/22/20 19:38	12/23/20 14:18	5
Selenium	ND		0.040	0.010 mg/L		12/22/20 19:38	12/23/20 14:18	5
Silver	ND		0.0020	0.00028 mg/L		12/22/20 19:38	12/23/20 14:18	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		9.0	1.4 mg/L			12/16/20 14:16	10
Sulfate	840	B	12	2.6 mg/L			12/16/20 14:16	10
Ammonia as N	510		100	22 mg/L			12/16/20 16:15	1000
Nitrate Nitrite as N	170		2.0	0.38 mg/L			12/16/20 20:05	20

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-2-W-12

Lab Sample ID: 580-99709-2

Date Collected: 12/07/20 13:25

Matrix: Water

Date Received: 12/11/20 11:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 18:28	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 18:28	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 18:28	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/14/20 18:28	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/14/20 18:28	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 18:28	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 18:28	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/14/20 18:28	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 18:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 18:28	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/14/20 18:28	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/14/20 18:28	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 18:28	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/14/20 18:28	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 18:28	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 18:28	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 18:28	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 18:28	1
4-Isopropyltoluene	17		0.50	0.15 ug/L			12/14/20 18:28	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 18:28	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 18:28	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 18:28	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 18:28	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/14/20 18:28	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 18:28	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 18:28	1
Chloroethane	ND		0.50	0.096 ug/L			12/14/20 18:28	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 18:28	1
Chloromethane	ND		0.50	0.068 ug/L			12/14/20 18:28	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 18:28	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/14/20 18:28	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 18:28	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/14/20 18:28	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 18:28	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/14/20 18:28	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/14/20 18:28	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 18:28	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 18:28	1
N-Propylbenzene	45		0.30	0.091 ug/L			12/14/20 18:28	1
sec-Butylbenzene	23		1.0	0.17 ug/L			12/14/20 18:28	1
Styrene	40		1.0	0.19 ug/L			12/14/20 18:28	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 18:28	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/14/20 18:28	1
Toluene	12		0.20	0.050 ug/L			12/14/20 18:28	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 18:28	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/14/20 18:28	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 18:28	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 18:28	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 18:28	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-2-W-12

Lab Sample ID: 580-99709-2

Date Collected: 12/07/20 13:25

Matrix: Water

Date Received: 12/11/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	18	S1-	80 - 120		12/14/20 18:28	1
4-Bromofluorobenzene (Surr)	111		80 - 120		12/14/20 18:28	1
Dibromofluoromethane (Surr)	88		80 - 120		12/14/20 18:28	1
Toluene-d8 (Surr)	142	S1+	80 - 120		12/14/20 18:28	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		2.0	0.70 ug/L			12/15/20 14:16	10
1,2,4-Trimethylbenzene	2400		30	7.2 ug/L			12/17/20 12:40	100
1,2-Dichloroethane	150	B	2.0	0.43 ug/L			12/15/20 14:16	10
1,3,5-Trimethylbenzene	550		50	15 ug/L			12/17/20 12:40	100
Benzene	4800	B	20	3.0 ug/L			12/17/20 12:40	100
Isopropylbenzene	140		10	1.9 ug/L			12/15/20 14:16	10
m-Xylene & p-Xylene	2800		50	12 ug/L			12/17/20 12:40	100
Naphthalene	450		100	22 ug/L			12/17/20 12:40	100
n-Butylbenzene	32		10	2.3 ug/L			12/15/20 14:16	10
o-Xylene	3700		50	15 ug/L			12/17/20 12:40	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		12/15/20 14:16	10
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		12/17/20 12:40	100
4-Bromofluorobenzene (Surr)	105		80 - 120		12/15/20 14:16	10
4-Bromofluorobenzene (Surr)	103		80 - 120		12/17/20 12:40	100
Dibromofluoromethane (Surr)	96		80 - 120		12/15/20 14:16	10
Dibromofluoromethane (Surr)	99		80 - 120		12/17/20 12:40	100
Toluene-d8 (Surr)	107		80 - 120		12/15/20 14:16	10
Toluene-d8 (Surr)	104		80 - 120		12/17/20 12:40	100

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	30		5.0	2.0 mg/L			12/19/20 16:25	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		50 - 150		12/19/20 16:25	20

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.58		0.010	0.0020 ug/L		12/21/20 15:26	12/22/20 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	102		60 - 140		12/21/20 15:26	12/22/20 15:17

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	10	4.7 ug/L		12/14/20 11:47	01/17/21 06:22	10
2,4-D	36	J	41	5.4 ug/L		12/14/20 11:47	01/17/21 06:22	10
2,4-DB	ND		41	7.7 ug/L		12/14/20 11:47	01/17/21 06:22	10
Dalapon	ND		21	9.4 ug/L		12/14/20 11:47	01/17/21 06:22	10
Dicamba	ND		21	4.5 ug/L		12/14/20 11:47	01/17/21 06:22	10
Dichlorprop	ND		41	6.7 ug/L		12/14/20 11:47	01/17/21 06:22	10
Dinoseb	ND		10	4.6 ug/L		12/14/20 11:47	01/17/21 06:22	10
MCPA	2300	J	4100	490 ug/L		12/14/20 11:47	01/17/21 06:22	10

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-2-W-12

Lab Sample ID: 580-99709-2

Date Collected: 12/07/20 13:25

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	2700	J	4100	340 ug/L		12/14/20 11:47	01/17/21 06:22	10
Picloram	ND		5.2	2.5 ug/L		12/14/20 11:47	01/17/21 06:22	10
Silvex (2,4,5-TP)	2.2	J	10	1.8 ug/L		12/14/20 11:47	01/17/21 06:22	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	380	D S1+	39 - 135			12/14/20 11:47	01/17/21 06:22	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	8.4		0.11	0.066 mg/L		12/19/20 10:50	12/21/20 22:20	1
Motor Oil (>C24-C36)	0.49		0.36	0.098 mg/L		12/19/20 10:50	12/21/20 22:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150			12/19/20 10:50	12/21/20 22:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.20		0.0050	0.0010 mg/L		12/22/20 19:38	12/23/20 16:31	5
Barium	0.15		0.0060	0.0011 mg/L		12/22/20 19:38	12/23/20 16:31	5
Cadmium	ND		0.0040	0.00050 mg/L		12/22/20 19:38	12/23/20 16:31	5
Chromium	0.0075		0.0040	0.00087 mg/L		12/22/20 19:38	12/23/20 16:31	5
Lead	0.0081		0.0040	0.0010 mg/L		12/22/20 19:38	12/23/20 16:31	5
Selenium	ND		0.040	0.010 mg/L		12/22/20 19:38	12/23/20 16:31	5
Silver	ND		0.0020	0.00028 mg/L		12/22/20 19:38	12/23/20 16:31	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		9.0	1.4 mg/L			12/16/20 14:40	10
Sulfate	1100	B	120	26 mg/L			12/16/20 14:51	100
Ammonia as N	990		100	22 mg/L			12/16/20 16:17	1000
Nitrate Nitrite as N	510		10	1.9 mg/L			12/16/20 20:07	100

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-3-W-12

Lab Sample ID: 580-99709-3

Date Collected: 12/07/20 14:23

Matrix: Water

Date Received: 12/11/20 11:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 18:52	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 18:52	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 18:52	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/14/20 18:52	1
1,1-Dichloroethane	1.9		0.20	0.025 ug/L			12/14/20 18:52	1
1,1-Dichloroethene	0.21		0.20	0.035 ug/L			12/14/20 18:52	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 18:52	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 18:52	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/14/20 18:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 18:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 18:52	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/14/20 18:52	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/14/20 18:52	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 18:52	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/14/20 18:52	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 18:52	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 18:52	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 18:52	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 18:52	1
4-Isopropyltoluene	16		0.50	0.15 ug/L			12/14/20 18:52	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 18:52	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 18:52	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 18:52	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 18:52	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/14/20 18:52	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 18:52	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 18:52	1
Chloroethane	0.86		0.50	0.096 ug/L			12/14/20 18:52	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 18:52	1
Chloromethane	ND		0.50	0.068 ug/L			12/14/20 18:52	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 18:52	1
cis-1,3-Dichloropropane	ND		0.20	0.090 ug/L			12/14/20 18:52	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 18:52	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/14/20 18:52	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 18:52	1
Ethylbenzene	11		0.20	0.030 ug/L			12/14/20 18:52	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/14/20 18:52	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 18:52	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 18:52	1
sec-Butylbenzene	21		1.0	0.17 ug/L			12/14/20 18:52	1
Styrene	11		1.0	0.19 ug/L			12/14/20 18:52	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 18:52	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/14/20 18:52	1
Toluene	13		0.20	0.050 ug/L			12/14/20 18:52	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 18:52	1
trans-1,3-Dichloropropane	ND		0.20	0.092 ug/L			12/14/20 18:52	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 18:52	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 18:52	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 18:52	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-3-W-12

Lab Sample ID: 580-99709-3

Date Collected: 12/07/20 14:23

Matrix: Water

Date Received: 12/11/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	0	S1-	80 - 120		12/14/20 18:52	1
4-Bromofluorobenzene (Surr)	101		80 - 120		12/14/20 18:52	1
Dibromofluoromethane (Surr)	94		80 - 120		12/14/20 18:52	1
Toluene-d8 (Surr)	138	S1+	80 - 120		12/14/20 18:52	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	320	B	2.0	0.43 ug/L			12/15/20 14:41	10
1,3,5-Trimethylbenzene	540		50	15 ug/L			12/17/20 13:05	100
Isopropylbenzene	130		10	1.9 ug/L			12/15/20 14:41	10
m-Xylene & p-Xylene	2500		50	12 ug/L			12/17/20 13:05	100
Naphthalene	660		100	22 ug/L			12/17/20 13:05	100
n-Butylbenzene	22		10	2.3 ug/L			12/15/20 14:41	10
N-Propylbenzene	210		3.0	0.91 ug/L			12/15/20 14:41	10
o-Xylene	280		5.0	1.5 ug/L			12/15/20 14:41	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		80 - 120		12/15/20 14:41	10
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		12/17/20 13:05	100
4-Bromofluorobenzene (Surr)	101		80 - 120		12/15/20 14:41	10
4-Bromofluorobenzene (Surr)	102		80 - 120		12/17/20 13:05	100
Dibromofluoromethane (Surr)	94		80 - 120		12/15/20 14:41	10
Dibromofluoromethane (Surr)	100		80 - 120		12/17/20 13:05	100
Toluene-d8 (Surr)	110		80 - 120		12/15/20 14:41	10
Toluene-d8 (Surr)	104		80 - 120		12/17/20 13:05	100

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1900		300	72 ug/L			12/19/20 16:50	1000
Benzene	11000		200	30 ug/L			12/19/20 16:50	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		12/19/20 16:50	1000
4-Bromofluorobenzene (Surr)	97		80 - 120		12/19/20 16:50	1000
Dibromofluoromethane (Surr)	101		80 - 120		12/19/20 16:50	1000
Toluene-d8 (Surr)	107		80 - 120		12/19/20 16:50	1000

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	22		0.25	0.10 mg/L			12/14/20 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	369	S1+	50 - 150		12/14/20 17:13	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	3.4		0.10	0.020 ug/L		12/21/20 15:26	12/23/20 09:57	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dibromopropane	136		60 - 140		12/21/20 15:26	12/23/20 09:57	10

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-3-W-12

Lab Sample ID: 580-99709-3

Date Collected: 12/07/20 14:23

Matrix: Water

Date Received: 12/11/20 11:30

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	51	23 ug/L		12/14/20 11:47	01/13/21 05:55	50
2,4-D	190	J *+	200	27 ug/L		12/14/20 11:47	01/13/21 05:55	50
2,4-DB	ND	*+	200	38 ug/L		12/14/20 11:47	01/13/21 05:55	50
Dalapon	ND		100	47 ug/L		12/14/20 11:47	01/13/21 05:55	50
Dicamba	320	*+	100	22 ug/L		12/14/20 11:47	01/13/21 05:55	50
Dichlorprop	ND	*+	200	33 ug/L		12/14/20 11:47	01/13/21 05:55	50
Dinoseb	ND		51	23 ug/L		12/14/20 11:47	01/13/21 05:55	50
MCPA	ND	*+	20000	2400 ug/L		12/14/20 11:47	01/13/21 05:55	50
MCPP	23000	*+ B	20000	1700 ug/L		12/14/20 11:47	01/13/21 05:55	50
Picloram	ND		26	12 ug/L		12/14/20 11:47	01/13/21 05:55	50
Silvex (2,4,5-TP)	ND	*+	51	8.7 ug/L		12/14/20 11:47	01/13/21 05:55	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	57	D	39 - 135			12/14/20 11:47	01/13/21 05:55	50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	22		0.11	0.068 mg/L		12/19/20 10:50	12/21/20 22:40	1
Motor Oil (>C24-C36)	3.5		0.36	0.10 mg/L		12/19/20 10:50	12/21/20 22:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	100		50 - 150			12/19/20 10:50	12/21/20 22:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.025		0.0050	0.0010 mg/L		12/22/20 19:38	12/23/20 16:35	5
Barium	0.082		0.0060	0.0011 mg/L		12/22/20 19:38	12/23/20 16:35	5
Cadmium	ND		0.0040	0.00050 mg/L		12/22/20 19:38	12/23/20 16:35	5
Chromium	0.0030	J	0.0040	0.00087 mg/L		12/22/20 19:38	12/23/20 16:35	5
Lead	0.0049		0.0040	0.0010 mg/L		12/22/20 19:38	12/23/20 16:35	5
Selenium	ND		0.040	0.010 mg/L		12/22/20 19:38	12/23/20 16:35	5
Silver	ND		0.0020	0.00028 mg/L		12/22/20 19:38	12/23/20 16:35	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		9.0	1.4 mg/L			12/16/20 15:03	10
Sulfate	2400	B	120	26 mg/L			12/16/20 15:15	100
Ammonia as N	5.1		1.0	0.22 mg/L			12/16/20 13:30	10
Nitrate Nitrite as N	880		10	1.9 mg/L			12/16/20 20:09	100

Client Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-4-W-12

Lab Sample ID: 580-99709-4

Date Collected: 12/07/20 15:28

Matrix: Water

Date Received: 12/11/20 11:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 19:17	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 19:17	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 19:17	1
1,1,2-Trichloroethane	7.5		0.20	0.070 ug/L			12/14/20 19:17	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/14/20 19:17	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/14/20 19:17	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 19:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 19:17	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/14/20 19:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 19:17	1
1,2,4-Trimethylbenzene	45		0.30	0.072 ug/L			12/14/20 19:17	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 19:17	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/14/20 19:17	1
1,2-Dichloroethane	0.89		0.20	0.043 ug/L			12/14/20 19:17	1
1,2-Dichloropropane	5.8		0.20	0.060 ug/L			12/14/20 19:17	1
1,3,5-Trimethylbenzene	14		0.50	0.15 ug/L			12/14/20 19:17	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 19:17	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/14/20 19:17	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 19:17	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 19:17	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 19:17	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 19:17	1
4-Isopropyltoluene	0.60		0.50	0.15 ug/L			12/14/20 19:17	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 19:17	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 19:17	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 19:17	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 19:17	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/14/20 19:17	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 19:17	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 19:17	1
Chloroethane	ND		0.50	0.096 ug/L			12/14/20 19:17	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 19:17	1
Chloromethane	ND		0.50	0.068 ug/L			12/14/20 19:17	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 19:17	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/14/20 19:17	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 19:17	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/14/20 19:17	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 19:17	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/14/20 19:17	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/14/20 19:17	1
Isopropylbenzene	3.4		1.0	0.19 ug/L			12/14/20 19:17	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 19:17	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 19:17	1
m-Xylene & p-Xylene	32		0.50	0.12 ug/L			12/14/20 19:17	1
Naphthalene	18		1.0	0.22 ug/L			12/14/20 19:17	1
n-Butylbenzene	11		1.0	0.23 ug/L			12/14/20 19:17	1
N-Propylbenzene	5.0		0.30	0.091 ug/L			12/14/20 19:17	1
o-Xylene	6.6		0.50	0.15 ug/L			12/14/20 19:17	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/14/20 19:17	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-4-W-12

Lab Sample ID: 580-99709-4

Date Collected: 12/07/20 15:28

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.19 ug/L			12/14/20 19:17	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 19:17	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/14/20 19:17	1
Toluene	0.16	J	0.20	0.050 ug/L			12/14/20 19:17	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 19:17	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/14/20 19:17	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 19:17	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 19:17	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 19:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120				12/14/20 19:17	1
4-Bromofluorobenzene (Surr)	101		80 - 120				12/14/20 19:17	1
Dibromofluoromethane (Surr)	100		80 - 120				12/14/20 19:17	1
Toluene-d8 (Surr)	107		80 - 120				12/14/20 19:17	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	52	B	1.0	0.15 ug/L			12/15/20 15:06	5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	0.36		0.25	0.10 mg/L			12/14/20 17:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150				12/14/20 17:37	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/21/20 15:26	12/22/20 15:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	109		60 - 140			12/21/20 15:26	12/22/20 15:49	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	11	4.8 ug/L		12/14/20 11:47	01/11/21 06:09	10
2,4-D	ND		43	5.6 ug/L		12/14/20 11:47	01/11/21 06:09	10
2,4-DB	ND		43	7.9 ug/L		12/14/20 11:47	01/11/21 06:09	10
Dalapon	ND		21	9.7 ug/L		12/14/20 11:47	01/11/21 06:09	10
Dicamba	ND		21	4.6 ug/L		12/14/20 11:47	01/11/21 06:09	10
Dichlorprop	ND		43	6.9 ug/L		12/14/20 11:47	01/11/21 06:09	10
Dinoseb	ND		11	4.8 ug/L		12/14/20 11:47	01/11/21 06:09	10
MCPA	ND		4300	510 ug/L		12/14/20 11:47	01/11/21 06:09	10
MCPP	ND		4300	350 ug/L		12/14/20 11:47	01/11/21 06:09	10
Picloram	ND		5.3	2.6 ug/L		12/14/20 11:47	01/11/21 06:09	10
Silvex (2,4,5-TP)	ND		11	1.8 ug/L		12/14/20 11:47	01/11/21 06:09	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	47	D	39 - 135			12/14/20 11:47	01/11/21 06:09	10

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-4-W-12

Lab Sample ID: 580-99709-4

Date Collected: 12/07/20 15:28

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.12		0.12	0.068 mg/L		12/19/20 10:50	12/21/20 23:00	1
Motor Oil (>C24-C36)	ND		0.37	0.10 mg/L		12/19/20 10:50	12/21/20 23:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	84		50 - 150			12/19/20 10:50	12/21/20 23:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.032		0.0050	0.0010 mg/L		12/22/20 19:38	12/23/20 16:39	5
Barium	0.057		0.0060	0.0011 mg/L		12/22/20 19:38	12/23/20 16:39	5
Cadmium	ND		0.0040	0.00050 mg/L		12/22/20 19:38	12/23/20 16:39	5
Chromium	ND		0.0040	0.00087 mg/L		12/22/20 19:38	12/23/20 16:39	5
Lead	ND		0.0040	0.0010 mg/L		12/22/20 19:38	12/23/20 16:39	5
Selenium	0.011	J	0.040	0.010 mg/L		12/22/20 19:38	12/23/20 16:39	5
Silver	ND		0.0020	0.00028 mg/L		12/22/20 19:38	12/23/20 16:39	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		9.0	1.4 mg/L			12/21/20 13:37	10
Sulfate	530	B	12	2.6 mg/L			12/21/20 13:37	10
Ammonia as N	0.12		0.10	0.022 mg/L			12/18/20 15:42	1
Nitrate Nitrite as N	83		1.0	0.19 mg/L			12/20/20 17:48	10

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-5-W-12

Lab Sample ID: 580-99709-5

Date Collected: 12/08/20 12:20

Matrix: Water

Date Received: 12/11/20 11:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 04:42	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 04:42	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 04:42	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/14/20 04:42	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/14/20 04:42	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/14/20 04:42	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 04:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 04:42	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/14/20 04:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 04:42	1
1,2,4-Trimethylbenzene	1.7		0.30	0.072 ug/L			12/14/20 04:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 04:42	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/14/20 04:42	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/14/20 04:42	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/14/20 04:42	1
1,3,5-Trimethylbenzene	0.59		0.50	0.15 ug/L			12/14/20 04:42	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 04:42	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/14/20 04:42	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 04:42	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 04:42	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 04:42	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 04:42	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/14/20 04:42	1
Benzene	ND		0.20	0.030 ug/L			12/14/20 04:42	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 04:42	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 04:42	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 04:42	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 04:42	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/14/20 04:42	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 04:42	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 04:42	1
Chloroethane	ND		0.50	0.096 ug/L			12/14/20 04:42	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 04:42	1
Chloromethane	ND		0.50	0.068 ug/L			12/14/20 04:42	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 04:42	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/14/20 04:42	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 04:42	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/14/20 04:42	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 04:42	1
Ethylbenzene	0.10	J	0.20	0.030 ug/L			12/14/20 04:42	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/14/20 04:42	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/14/20 04:42	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 04:42	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 04:42	1
m-Xylene & p-Xylene	0.86		0.50	0.12 ug/L			12/14/20 04:42	1
Naphthalene	ND		1.0	0.22 ug/L			12/14/20 04:42	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/14/20 04:42	1
N-Propylbenzene	0.25	J	0.30	0.091 ug/L			12/14/20 04:42	1
o-Xylene	0.24	J	0.50	0.15 ug/L			12/14/20 04:42	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-5-W-12

Lab Sample ID: 580-99709-5

Date Collected: 12/08/20 12:20

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/14/20 04:42	1
Styrene	ND		1.0	0.19 ug/L			12/14/20 04:42	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 04:42	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/14/20 04:42	1
Toluene	0.079	J	0.20	0.050 ug/L			12/14/20 04:42	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 04:42	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/14/20 04:42	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 04:42	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 04:42	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		12/14/20 04:42	1
4-Bromofluorobenzene (Surr)	97		80 - 120		12/14/20 04:42	1
Dibromofluoromethane (Surr)	104		80 - 120		12/14/20 04:42	1
Toluene-d8 (Surr)	104		80 - 120		12/14/20 04:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/14/20 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150		12/14/20 20:28	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/21/20 15:26	12/22/20 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	105		60 - 140	12/21/20 15:26	12/22/20 16:05	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	11	5.1 ug/L		12/14/20 11:47	01/11/21 06:32	10
2,4-D	ND		44	5.8 ug/L		12/14/20 11:47	01/11/21 06:32	10
2,4-DB	ND		44	8.3 ug/L		12/14/20 11:47	01/11/21 06:32	10
Dalapon	ND		22	10 ug/L		12/14/20 11:47	01/11/21 06:32	10
Dicamba	ND		22	4.8 ug/L		12/14/20 11:47	01/11/21 06:32	10
Dichlorprop	ND		44	7.2 ug/L		12/14/20 11:47	01/11/21 06:32	10
Dinoseb	ND		11	5.0 ug/L		12/14/20 11:47	01/11/21 06:32	10
MCPA	ND		4400	530 ug/L		12/14/20 11:47	01/11/21 06:32	10
MCPP	ND		4400	370 ug/L		12/14/20 11:47	01/11/21 06:32	10
Picloram	ND		5.6	2.7 ug/L		12/14/20 11:47	01/11/21 06:32	10
Silvex (2,4,5-TP)	ND		11	1.9 ug/L		12/14/20 11:47	01/11/21 06:32	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	154	D S1+	39 - 135	12/14/20 11:47	01/11/21 06:32	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.16	B	0.11	0.068 mg/L		12/22/20 11:38	12/23/20 21:17	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-5-W-12

Lab Sample ID: 580-99709-5

Date Collected: 12/08/20 12:20

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	0.20	J	0.37	0.10 mg/L		12/22/20 11:38	12/23/20 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	89		50 - 150	12/22/20 11:38	12/23/20 21:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.027		0.0050	0.0010 mg/L		12/22/20 19:38	12/23/20 16:42	5
Barium	0.13		0.0060	0.0011 mg/L		12/22/20 19:38	12/23/20 16:42	5
Cadmium	ND		0.0040	0.00050 mg/L		12/22/20 19:38	12/23/20 16:42	5
Chromium	ND		0.0040	0.00087 mg/L		12/22/20 19:38	12/23/20 16:42	5
Lead	ND		0.0040	0.0010 mg/L		12/22/20 19:38	12/23/20 16:42	5
Selenium	ND		0.040	0.010 mg/L		12/22/20 19:38	12/23/20 16:42	5
Silver	ND		0.0020	0.00028 mg/L		12/22/20 19:38	12/23/20 16:42	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32		0.90	0.14 mg/L			12/21/20 13:48	1
Sulfate	220	B	12	2.6 mg/L			12/21/20 14:00	10
Ammonia as N	0.28		0.10	0.022 mg/L			12/18/20 15:44	1
Nitrate Nitrite as N	12		0.20	0.038 mg/L			12/16/20 20:35	2

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-6-W-12

Lab Sample ID: 580-99709-6

Date Collected: 12/08/20 13:18

Matrix: Water

Date Received: 12/11/20 11:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 05:07	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 05:07	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 05:07	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/14/20 05:07	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/14/20 05:07	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/14/20 05:07	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 05:07	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 05:07	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/14/20 05:07	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 05:07	1
1,2,4-Trimethylbenzene	0.19	J	0.30	0.072 ug/L			12/14/20 05:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 05:07	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/14/20 05:07	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/14/20 05:07	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/14/20 05:07	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/14/20 05:07	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 05:07	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/14/20 05:07	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 05:07	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 05:07	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 05:07	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 05:07	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/14/20 05:07	1
Benzene	ND		0.20	0.030 ug/L			12/14/20 05:07	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 05:07	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 05:07	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 05:07	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 05:07	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/14/20 05:07	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 05:07	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 05:07	1
Chloroethane	ND		0.50	0.096 ug/L			12/14/20 05:07	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 05:07	1
Chloromethane	ND		0.50	0.068 ug/L			12/14/20 05:07	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 05:07	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/14/20 05:07	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 05:07	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/14/20 05:07	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 05:07	1
Ethylbenzene	0.040	J	0.20	0.030 ug/L			12/14/20 05:07	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/14/20 05:07	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/14/20 05:07	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 05:07	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 05:07	1
m-Xylene & p-Xylene	0.22	J	0.50	0.12 ug/L			12/14/20 05:07	1
Naphthalene	ND		1.0	0.22 ug/L			12/14/20 05:07	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/14/20 05:07	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/14/20 05:07	1
o-Xylene	ND		0.50	0.15 ug/L			12/14/20 05:07	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-6-W-12

Lab Sample ID: 580-99709-6

Date Collected: 12/08/20 13:18

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/14/20 05:07	1
Styrene	ND		1.0	0.19 ug/L			12/14/20 05:07	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 05:07	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/14/20 05:07	1
Toluene	ND		0.20	0.050 ug/L			12/14/20 05:07	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 05:07	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/14/20 05:07	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 05:07	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 05:07	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		12/14/20 05:07	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/14/20 05:07	1
Dibromofluoromethane (Surr)	108		80 - 120		12/14/20 05:07	1
Toluene-d8 (Surr)	101		80 - 120		12/14/20 05:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/14/20 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		50 - 150		12/14/20 20:52	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0099	0.0020 ug/L		12/21/20 15:26	12/22/20 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dibromopropane	106		60 - 140		12/21/20 15:26	12/22/20 16:37	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	+	9.9	4.5 ug/L		12/14/20 11:47	01/11/21 06:55	10
2,4-D	ND		40	5.2 ug/L		12/14/20 11:47	01/11/21 06:55	10
2,4-DB	ND		40	7.4 ug/L		12/14/20 11:47	01/11/21 06:55	10
Dalapon	ND		20	9.0 ug/L		12/14/20 11:47	01/11/21 06:55	10
Dicamba	ND		20	4.3 ug/L		12/14/20 11:47	01/11/21 06:55	10
Dichlorprop	ND		40	6.5 ug/L		12/14/20 11:47	01/11/21 06:55	10
Dinoseb	ND		9.9	4.5 ug/L		12/14/20 11:47	01/11/21 06:55	10
MCPA	ND		4000	470 ug/L		12/14/20 11:47	01/11/21 06:55	10
MCPP	ND		4000	330 ug/L		12/14/20 11:47	01/11/21 06:55	10
Picloram	ND		5.0	2.4 ug/L		12/14/20 11:47	01/11/21 06:55	10
Silvex (2,4,5-TP)	ND		9.9	1.7 ug/L		12/14/20 11:47	01/11/21 06:55	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
2,4-Dichlorophenylacetic acid	126	D	39 - 135		12/14/20 11:47	01/11/21 06:55	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.22	B	0.11	0.067 mg/L		12/22/20 11:38	12/23/20 21:37	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-6-W-12

Lab Sample ID: 580-99709-6

Date Collected: 12/08/20 13:18

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	0.24	J	0.36	0.098 mg/L		12/22/20 11:38	12/23/20 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	97		50 - 150	12/22/20 11:38	12/23/20 21:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015		0.0050	0.0010 mg/L		12/22/20 19:38	12/23/20 16:46	5
Barium	0.18		0.0060	0.0011 mg/L		12/22/20 19:38	12/23/20 16:46	5
Cadmium	ND		0.0040	0.00050 mg/L		12/22/20 19:38	12/23/20 16:46	5
Chromium	ND		0.0040	0.00087 mg/L		12/22/20 19:38	12/23/20 16:46	5
Lead	ND		0.0040	0.0010 mg/L		12/22/20 19:38	12/23/20 16:46	5
Selenium	ND		0.040	0.010 mg/L		12/22/20 19:38	12/23/20 16:46	5
Silver	ND		0.0020	0.00028 mg/L		12/22/20 19:38	12/23/20 16:46	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34		0.90	0.14 mg/L			12/21/20 14:12	1
Sulfate	250	B	12	2.6 mg/L			12/21/20 14:23	10
Ammonia as N	0.12		0.10	0.022 mg/L			12/16/20 13:48	1
Nitrate Nitrite as N	18		0.50	0.095 mg/L			12/16/20 20:37	5

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-8-W-12

Lab Sample ID: 580-99709-7

Date Collected: 12/08/20 08:24

Matrix: Water

Date Received: 12/11/20 11:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 05:32	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 05:32	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 05:32	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/14/20 05:32	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/14/20 05:32	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 05:32	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 05:32	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/14/20 05:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 05:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 05:32	1
1,2-Dichlorobenzene	0.29	J	0.30	0.038 ug/L			12/14/20 05:32	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/14/20 05:32	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/14/20 05:32	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 05:32	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/14/20 05:32	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 05:32	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 05:32	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 05:32	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 05:32	1
4-Isopropyltoluene	6.8		0.50	0.15 ug/L			12/14/20 05:32	1
Benzene	44		0.20	0.030 ug/L			12/14/20 05:32	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 05:32	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 05:32	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 05:32	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 05:32	1
Chlorobenzene	6.3		0.20	0.025 ug/L			12/14/20 05:32	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 05:32	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 05:32	1
Chloroethane	ND		0.50	0.096 ug/L			12/14/20 05:32	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 05:32	1
Chloromethane	ND		0.50	0.068 ug/L			12/14/20 05:32	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 05:32	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/14/20 05:32	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 05:32	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/14/20 05:32	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 05:32	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/14/20 05:32	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 05:32	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 05:32	1
sec-Butylbenzene	8.5		1.0	0.17 ug/L			12/14/20 05:32	1
Styrene	34		1.0	0.19 ug/L			12/14/20 05:32	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 05:32	1
Tetrachloroethene	0.25	J	0.50	0.084 ug/L			12/14/20 05:32	1
Toluene	9.2		0.20	0.050 ug/L			12/14/20 05:32	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 05:32	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/14/20 05:32	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 05:32	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 05:32	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 05:32	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-8-W-12

Lab Sample ID: 580-99709-7

Date Collected: 12/08/20 08:24

Matrix: Water

Date Received: 12/11/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		12/14/20 05:32	1
4-Bromofluorobenzene (Surr)	113		80 - 120		12/14/20 05:32	1
Dibromofluoromethane (Surr)	94		80 - 120		12/14/20 05:32	1
Toluene-d8 (Surr)	131	X	80 - 120		12/14/20 05:32	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		2.0	0.70 ug/L			12/15/20 15:30	10
1,2,4-Trimethylbenzene	1400		30	7.2 ug/L			12/17/20 13:30	100
1,3,5-Trimethylbenzene	380		50	15 ug/L			12/17/20 13:30	100
Ethylbenzene	310		2.0	0.30 ug/L			12/15/20 15:30	10
Isopropylbenzene	83		10	1.9 ug/L			12/15/20 15:30	10
m-Xylene & p-Xylene	2400		50	12 ug/L			12/17/20 13:30	100
Naphthalene	410		10	2.2 ug/L			12/15/20 15:30	10
n-Butylbenzene	25		10	2.3 ug/L			12/15/20 15:30	10
N-Propylbenzene	230		3.0	0.91 ug/L			12/15/20 15:30	10
o-Xylene	1100		50	15 ug/L			12/17/20 13:30	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		12/15/20 15:30	10
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		12/17/20 13:30	100
4-Bromofluorobenzene (Surr)	104		80 - 120		12/15/20 15:30	10
4-Bromofluorobenzene (Surr)	100		80 - 120		12/17/20 13:30	100
Dibromofluoromethane (Surr)	97		80 - 120		12/15/20 15:30	10
Dibromofluoromethane (Surr)	99		80 - 120		12/17/20 13:30	100
Toluene-d8 (Surr)	109		80 - 120		12/15/20 15:30	10
Toluene-d8 (Surr)	107		80 - 120		12/17/20 13:30	100

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	20		0.25	0.10 mg/L			12/15/20 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	208	S1+	50 - 150		12/15/20 16:22	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.029		0.010	0.0020 ug/L		12/21/20 15:26	12/22/20 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	109		60 - 140		12/21/20 15:26	12/22/20 16:53

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	+	20	9.3 ug/L		12/14/20 11:47	01/11/21 07:18	20
2,4-D	ND		82	11 ug/L		12/14/20 11:47	01/11/21 07:18	20
2,4-DB	ND		82	15 ug/L		12/14/20 11:47	01/11/21 07:18	20
Dalapon	ND		41	19 ug/L		12/14/20 11:47	01/11/21 07:18	20
Dicamba	ND		41	8.9 ug/L		12/14/20 11:47	01/11/21 07:18	20
Dichlorprop	ND		82	13 ug/L		12/14/20 11:47	01/11/21 07:18	20
Dinoseb	ND		20	9.2 ug/L		12/14/20 11:47	01/11/21 07:18	20
MCPA	ND		8200	970 ug/L		12/14/20 11:47	01/11/21 07:18	20

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-8-W-12

Lab Sample ID: 580-99709-7

Date Collected: 12/08/20 08:24

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	ND		8200	680 ug/L		12/14/20 11:47	01/11/21 07:18	20
Picloram	ND		10	4.9 ug/L		12/14/20 11:47	01/11/21 07:18	20
Silvex (2,4,5-TP)	ND		20	3.5 ug/L		12/14/20 11:47	01/11/21 07:18	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	2	S1- D	39 - 135			12/14/20 11:47	01/11/21 07:18	20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4.4	B	0.12	0.069 mg/L		12/22/20 11:38	12/23/20 21:57	1
Motor Oil (>C24-C36)	0.82		0.37	0.10 mg/L		12/22/20 11:38	12/23/20 21:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	44	S1-	50 - 150			12/22/20 11:38	12/23/20 21:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.45		0.0050	0.0010 mg/L		12/22/20 19:38	12/23/20 16:50	5
Barium	0.098		0.0060	0.0011 mg/L		12/22/20 19:38	12/23/20 16:50	5
Cadmium	0.00075	J	0.0040	0.00050 mg/L		12/22/20 19:38	12/23/20 16:50	5
Chromium	0.0014	J	0.0040	0.00087 mg/L		12/22/20 19:38	12/23/20 16:50	5
Lead	0.0026	J	0.0040	0.0010 mg/L		12/22/20 19:38	12/23/20 16:50	5
Selenium	0.012	J	0.040	0.010 mg/L		12/22/20 19:38	12/23/20 16:50	5
Silver	ND		0.0020	0.00028 mg/L		12/22/20 19:38	12/23/20 16:50	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		9.0	1.4 mg/L			12/21/20 14:47	10
Sulfate	860	B	12	2.6 mg/L			12/21/20 14:47	10
Ammonia as N	1100		100	22 mg/L			12/16/20 16:19	1000
Nitrate Nitrite as N	460		10	1.9 mg/L			12/20/20 17:50	100

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-8-W-20

Lab Sample ID: 580-99709-8

Date Collected: 12/08/20 09:24

Matrix: Water

Date Received: 12/11/20 11:30

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 05:57	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 05:57	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 05:57	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/14/20 05:57	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/14/20 05:57	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 05:57	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 05:57	1
1,2,3-Trichloropropane	9.2		0.20	0.050 ug/L			12/14/20 05:57	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 05:57	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 05:57	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/14/20 05:57	1
1,2-Dichloroethane	13 B		0.20	0.043 ug/L			12/14/20 05:57	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/14/20 05:57	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 05:57	1
1,3-Dichloropropane	1.0		0.20	0.025 ug/L			12/14/20 05:57	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 05:57	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 05:57	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 05:57	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 05:57	1
4-Isopropyltoluene	5.1		0.50	0.15 ug/L			12/14/20 05:57	1
Benzene	17		0.20	0.030 ug/L			12/14/20 05:57	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 05:57	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 05:57	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 05:57	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 05:57	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/14/20 05:57	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 05:57	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 05:57	1
Chloroethane	ND		0.50	0.096 ug/L			12/14/20 05:57	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 05:57	1
Chloromethane	ND		0.50	0.068 ug/L			12/14/20 05:57	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 05:57	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/14/20 05:57	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 05:57	1
Dichlorobromomethane	5.0		0.20	0.060 ug/L			12/14/20 05:57	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 05:57	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/14/20 05:57	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 05:57	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 05:57	1
sec-Butylbenzene	6.6		1.0	0.17 ug/L			12/14/20 05:57	1
Styrene	9.8		1.0	0.19 ug/L			12/14/20 05:57	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 05:57	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/14/20 05:57	1
Toluene	1.3		0.20	0.050 ug/L			12/14/20 05:57	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 05:57	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/14/20 05:57	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 05:57	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 05:57	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 05:57	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-8-W-20

Lab Sample ID: 580-99709-8

Date Collected: 12/08/20 09:24

Matrix: Water

Date Received: 12/11/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/14/20 05:57	1
4-Bromofluorobenzene (Surr)	107		80 - 120		12/14/20 05:57	1
Dibromofluoromethane (Surr)	98		80 - 120		12/14/20 05:57	1
Toluene-d8 (Surr)	124 X		80 - 120		12/14/20 05:57	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		2.0	0.70 ug/L			12/15/20 15:55	10
1,2,4-Trimethylbenzene	850		30	7.2 ug/L			12/17/20 13:54	100
1,3,5-Trimethylbenzene	190		5.0	1.5 ug/L			12/15/20 15:55	10
Ethylbenzene	63		2.0	0.30 ug/L			12/15/20 15:55	10
Isopropylbenzene	24		10	1.9 ug/L			12/15/20 15:55	10
m-Xylene & p-Xylene	640		50	12 ug/L			12/17/20 13:54	100
Naphthalene	110		10	2.2 ug/L			12/15/20 15:55	10
n-Butylbenzene	7.2 J		10	2.3 ug/L			12/15/20 15:55	10
N-Propylbenzene	73		3.0	0.91 ug/L			12/15/20 15:55	10
o-Xylene	260		5.0	1.5 ug/L			12/15/20 15:55	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		12/15/20 15:55	10
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		12/17/20 13:54	100
4-Bromofluorobenzene (Surr)	102		80 - 120		12/15/20 15:55	10
4-Bromofluorobenzene (Surr)	101		80 - 120		12/17/20 13:54	100
Dibromofluoromethane (Surr)	99		80 - 120		12/15/20 15:55	10
Dibromofluoromethane (Surr)	100		80 - 120		12/17/20 13:54	100
Toluene-d8 (Surr)	106		80 - 120		12/15/20 15:55	10
Toluene-d8 (Surr)	103		80 - 120		12/17/20 13:54	100

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	6.2		0.25	0.10 mg/L			12/15/20 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140		50 - 150		12/15/20 16:46	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/21/20 15:26	12/22/20 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	112		60 - 140		12/21/20 15:26	12/22/20 17:09

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	+	21	9.7 ug/L		12/14/20 11:47	01/17/21 06:47	20
2,4-D	ND		85	11 ug/L		12/14/20 11:47	01/17/21 06:47	20
2,4-DB	ND		85	16 ug/L		12/14/20 11:47	01/17/21 06:47	20
Dalapon	ND		43	19 ug/L		12/14/20 11:47	01/17/21 06:47	20
Dicamba	ND		43	9.3 ug/L		12/14/20 11:47	01/17/21 06:47	20
Dichlorprop	ND		85	14 ug/L		12/14/20 11:47	01/17/21 06:47	20
Dinoseb	ND		21	9.6 ug/L		12/14/20 11:47	01/17/21 06:47	20
MCPA	ND		8500	1000 ug/L		12/14/20 11:47	01/17/21 06:47	20

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-8-W-20

Lab Sample ID: 580-99709-8

Date Collected: 12/08/20 09:24

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	ND		8500	700 ug/L		12/14/20 11:47	01/17/21 06:47	20
Picloram	8.8	J	11	5.1 ug/L		12/14/20 11:47	01/17/21 06:47	20
Silvex (2,4,5-TP)	ND		21	3.6 ug/L		12/14/20 11:47	01/17/21 06:47	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	5	S1- D	39 - 135			12/14/20 11:47	01/17/21 06:47	20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2.1	B	0.12	0.071 mg/L		12/22/20 11:38	12/23/20 22:17	1
Motor Oil (>C24-C36)	0.48		0.38	0.10 mg/L		12/22/20 11:38	12/23/20 22:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150			12/22/20 11:38	12/23/20 22:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.13		0.0050	0.0010 mg/L		12/22/20 19:38	12/23/20 16:53	5
Barium	0.057		0.0060	0.0011 mg/L		12/22/20 19:38	12/23/20 16:53	5
Cadmium	ND		0.0040	0.00050 mg/L		12/22/20 19:38	12/23/20 16:53	5
Chromium	0.0017	J	0.0040	0.00087 mg/L		12/22/20 19:38	12/23/20 16:53	5
Lead	0.0016	J	0.0040	0.0010 mg/L		12/22/20 19:38	12/23/20 16:53	5
Selenium	ND		0.040	0.010 mg/L		12/22/20 19:38	12/23/20 16:53	5
Silver	ND		0.0020	0.00028 mg/L		12/22/20 19:38	12/23/20 16:53	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56		0.90	0.14 mg/L			12/21/20 14:59	1
Sulfate	320	B	12	2.6 mg/L			12/21/20 15:10	10
Ammonia as N	450		10	2.2 mg/L			12/16/20 15:45	100
Nitrate Nitrite as N	51		1.0	0.19 mg/L			12/20/20 17:52	10

QC Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-345471/7
Matrix: Water
Analysis Batch: 345471

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 00:35	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 00:35	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 00:35	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/14/20 00:35	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/14/20 00:35	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/14/20 00:35	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 00:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 00:35	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/14/20 00:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 00:35	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/14/20 00:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 00:35	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/14/20 00:35	1
1,2-Dichloroethane	0.0431	J	0.20	0.043 ug/L			12/14/20 00:35	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/14/20 00:35	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/14/20 00:35	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 00:35	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/14/20 00:35	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 00:35	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 00:35	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 00:35	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 00:35	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/14/20 00:35	1
Benzene	ND		0.20	0.030 ug/L			12/14/20 00:35	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 00:35	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 00:35	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 00:35	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 00:35	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/14/20 00:35	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 00:35	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 00:35	1
Chloroethane	ND		0.50	0.096 ug/L			12/14/20 00:35	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 00:35	1
Chloromethane	ND		0.50	0.068 ug/L			12/14/20 00:35	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 00:35	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/14/20 00:35	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 00:35	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/14/20 00:35	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 00:35	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/14/20 00:35	1
Hexachlorobutadiene	0.0683	J	0.50	0.067 ug/L			12/14/20 00:35	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/14/20 00:35	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 00:35	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 00:35	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/14/20 00:35	1
Naphthalene	ND		1.0	0.22 ug/L			12/14/20 00:35	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/14/20 00:35	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/14/20 00:35	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: MB 580-345471/7
Matrix: Water
Analysis Batch: 345471

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.50	0.15 ug/L			12/14/20 00:35	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/14/20 00:35	1
Styrene	ND		1.0	0.19 ug/L			12/14/20 00:35	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 00:35	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/14/20 00:35	1
Toluene	ND		0.20	0.050 ug/L			12/14/20 00:35	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 00:35	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/14/20 00:35	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 00:35	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 00:35	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 00:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		12/14/20 00:35	1
4-Bromofluorobenzene (Surr)	99		80 - 120		12/14/20 00:35	1
Dibromofluoromethane (Surr)	106		80 - 120		12/14/20 00:35	1
Toluene-d8 (Surr)	102		80 - 120		12/14/20 00:35	1

Lab Sample ID: LCS 580-345471/4
Matrix: Water
Analysis Batch: 345471

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	10.0	11.1		ug/L		111	79 - 127
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	79 - 121
1,1,1,2,2-Tetrachloroethane	10.0	12.2		ug/L		122	76 - 123
1,1,1,2-Trichloroethane	10.0	11.1		ug/L		111	80 - 127
1,1,1-Dichloroethane	10.0	10.8		ug/L		108	74 - 120
1,1-Dichloroethene	10.0	10.7		ug/L		107	79 - 120
1,1-Dichloropropene	10.0	10.9		ug/L		109	72 - 120
1,2,3-Trichlorobenzene	10.0	11.4		ug/L		114	75 - 128
1,2,3-Trichloropropane	10.0	11.8		ug/L		118	75 - 127
1,2,4-Trichlorobenzene	10.0	11.7		ug/L		117	79 - 121
1,2,4-Trimethylbenzene	10.0	11.2		ug/L		112	78 - 127
1,2-Dibromo-3-Chloropropane	10.0	11.2		ug/L		112	73 - 123
1,2-Dichlorobenzene	10.0	11.4		ug/L		114	80 - 129
1,2-Dichloroethane	10.0	10.7		ug/L		107	74 - 120
1,2-Dichloropropane	10.0	10.9		ug/L		109	80 - 130
1,3,5-Trimethylbenzene	10.0	11.3		ug/L		113	80 - 129
1,3-Dichlorobenzene	10.0	11.3		ug/L		113	80 - 130
1,3-Dichloropropane	10.0	11.5		ug/L		115	80 - 123
1,4-Dichlorobenzene	10.0	11.2		ug/L		112	80 - 129
2,2-Dichloropropane	10.0	9.63		ug/L		96	67 - 133
2-Chlorotoluene	10.0	11.1		ug/L		111	80 - 120
4-Chlorotoluene	10.0	10.9		ug/L		109	80 - 124
4-Isopropyltoluene	10.0	11.5		ug/L		115	78 - 132
Benzene	10.0	10.7		ug/L		107	73 - 120
Bromobenzene	10.0	11.3		ug/L		113	80 - 130

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCS 580-345471/4
Matrix: Water
Analysis Batch: 345471

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	10.0	11.8		ug/L		118	69 - 125
Bromomethane	10.0	11.2		ug/L		112	68 - 131
Carbon tetrachloride	10.0	10.8		ug/L		108	78 - 120
Chlorobenzene	10.0	10.6		ug/L		106	80 - 123
Chlorobromomethane	10.0	11.1		ug/L		111	79 - 131
Chlorodibromomethane	10.0	12.1		ug/L		121	76 - 126
Chloroethane	10.0	11.0		ug/L		110	70 - 135
Chloroform	10.0	10.9		ug/L		109	80 - 130
Chloromethane	10.0	10.3		ug/L		103	66 - 134
cis-1,2-Dichloroethene	10.0	10.5		ug/L		105	72 - 130
cis-1,3-Dichloropropene	10.0	11.5		ug/L		115	77 - 120
Dibromomethane	10.0	11.3		ug/L		113	65 - 141
Dichlorobromomethane	10.0	11.1		ug/L		111	74 - 120
Dichlorodifluoromethane	10.0	9.49		ug/L		95	58 - 126
Ethylbenzene	10.0	11.3		ug/L		113	80 - 130
Hexachlorobutadiene	10.0	11.0		ug/L		110	78 - 120
Isopropylbenzene	10.0	11.2		ug/L		112	83 - 131
Methyl tert-butyl ether	10.0	11.0		ug/L		110	73 - 125
Methylene Chloride	10.0	10.8		ug/L		108	68 - 134
m-Xylene & p-Xylene	10.0	11.1		ug/L		111	86 - 130
Naphthalene	10.0	11.1		ug/L		111	69 - 123
n-Butylbenzene	10.0	10.9		ug/L		109	80 - 127
N-Propylbenzene	10.0	11.5		ug/L		115	77 - 142
o-Xylene	10.0	11.2		ug/L		112	80 - 133
sec-Butylbenzene	10.0	11.7		ug/L		117	84 - 132
Styrene	10.0	11.2		ug/L		112	74 - 136
tert-Butylbenzene	10.0	11.5		ug/L		115	77 - 129
Tetrachloroethene	10.0	10.9		ug/L		109	75 - 131
Toluene	10.0	11.1		ug/L		111	80 - 126
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	63 - 133
trans-1,3-Dichloropropene	10.0	11.2		ug/L		112	71 - 128
Trichloroethene	10.0	10.8		ug/L		108	72 - 136
Trichlorofluoromethane	10.0	10.4		ug/L		104	75 - 120
Vinyl chloride	10.0	10.5		ug/L		105	69 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 580-345471/5
Matrix: Water
Analysis Batch: 345471

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
1,1,1,2-Tetrachloroethane	10.0	10.9		ug/L		109	79 - 127	2	11
1,1,1-Trichloroethane	10.0	10.3		ug/L		103	79 - 121	2	14

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCSD 580-345471/5
Matrix: Water
Analysis Batch: 345471

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
1,1,2,2-Tetrachloroethane	10.0	11.4		ug/L		114	76 - 123	7	10
1,1,2-Trichloroethane	10.0	11.0		ug/L		110	80 - 127	1	10
1,1-Dichloroethane	10.0	10.6		ug/L		106	74 - 120	1	10
1,1-Dichloroethene	10.0	10.5		ug/L		105	79 - 120	1	17
1,1-Dichloropropene	10.0	10.7		ug/L		107	72 - 120	2	10
1,2,3-Trichlorobenzene	10.0	11.4		ug/L		114	75 - 128	1	20
1,2,3-Trichloropropane	10.0	11.8		ug/L		118	75 - 127	0	12
1,2,4-Trichlorobenzene	10.0	11.6		ug/L		116	79 - 121	0	20
1,2,4-Trimethylbenzene	10.0	11.0		ug/L		110	78 - 127	2	10
1,2-Dibromo-3-Chloropropane	10.0	11.4		ug/L		114	73 - 123	2	16
1,2-Dichlorobenzene	10.0	11.2		ug/L		112	80 - 129	2	10
1,2-Dichloroethane	10.0	10.6		ug/L		106	74 - 120	1	10
1,2-Dichloropropane	10.0	10.8		ug/L		108	80 - 130	1	14
1,3,5-Trimethylbenzene	10.0	11.2		ug/L		112	80 - 129	1	10
1,3-Dichlorobenzene	10.0	11.2		ug/L		112	80 - 130	1	12
1,3-Dichloropropane	10.0	11.5		ug/L		115	80 - 123	1	19
1,4-Dichlorobenzene	10.0	11.2		ug/L		112	80 - 129	0	11
2,2-Dichloropropane	10.0	9.46		ug/L		95	67 - 133	2	16
2-Chlorotoluene	10.0	11.1		ug/L		111	80 - 120	0	10
4-Chlorotoluene	10.0	10.9		ug/L		109	80 - 124	0	10
4-Isopropyltoluene	10.0	11.4		ug/L		114	78 - 132	1	14
Benzene	10.0	10.6		ug/L		106	73 - 120	1	10
Bromobenzene	10.0	11.2		ug/L		112	80 - 130	1	11
Bromoform	10.0	11.6		ug/L		116	69 - 125	2	10
Bromomethane	10.0	10.7		ug/L		107	68 - 131	5	18
Carbon tetrachloride	10.0	10.7		ug/L		107	78 - 120	1	10
Chlorobenzene	10.0	10.6		ug/L		106	80 - 123	0	12
Chlorobromomethane	10.0	10.8		ug/L		108	79 - 131	3	10
Chlorodibromomethane	10.0	12.0		ug/L		120	76 - 126	1	10
Chloroethane	10.0	10.6		ug/L		106	70 - 135	4	20
Chloroform	10.0	10.7		ug/L		107	80 - 130	2	10
Chloromethane	10.0	10.4		ug/L		104	66 - 134	1	16
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	72 - 130	2	10
cis-1,3-Dichloropropene	10.0	11.2		ug/L		112	77 - 120	2	10
Dibromomethane	10.0	11.3		ug/L		113	65 - 141	0	10
Dichlorobromomethane	10.0	11.0		ug/L		110	74 - 120	1	10
Dichlorodifluoromethane	10.0	9.31		ug/L		93	58 - 126	2	16
Ethylbenzene	10.0	11.2		ug/L		112	80 - 130	1	10
Hexachlorobutadiene	10.0	10.9		ug/L		109	78 - 120	1	15
Isopropylbenzene	10.0	11.0		ug/L		110	83 - 131	2	10
Methyl tert-butyl ether	10.0	11.1		ug/L		111	73 - 125	1	12
Methylene Chloride	10.0	10.6		ug/L		106	68 - 134	2	18
m-Xylene & p-Xylene	10.0	11.1		ug/L		111	86 - 130	1	10
Naphthalene	10.0	11.1		ug/L		111	69 - 123	0	20
n-Butylbenzene	10.0	10.8		ug/L		108	80 - 127	1	10
N-Propylbenzene	10.0	11.4		ug/L		114	77 - 142	1	20
o-Xylene	10.0	11.1		ug/L		111	80 - 133	1	10
sec-Butylbenzene	10.0	11.5		ug/L		115	84 - 132	2	10
Styrene	10.0	11.1		ug/L		111	74 - 136	1	10

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCSD 580-345471/5
Matrix: Water
Analysis Batch: 345471

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
tert-Butylbenzene	10.0	11.4		ug/L		114	77 - 129	1	10
Tetrachloroethene	10.0	11.0		ug/L		110	75 - 131	0	20
Toluene	10.0	10.9		ug/L		109	80 - 126	1	20
trans-1,2-Dichloroethene	10.0	10.2		ug/L		102	63 - 133	4	17
trans-1,3-Dichloropropene	10.0	11.0		ug/L		110	71 - 128	2	16
Trichloroethene	10.0	11.0		ug/L		110	72 - 136	3	14
Trichlorofluoromethane	10.0	10.4		ug/L		104	75 - 120	0	13
Vinyl chloride	10.0	10.4		ug/L		104	69 - 128	2	21

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 580-345516/7
Matrix: Water
Analysis Batch: 345516

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/14/20 13:56	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/14/20 13:56	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/14/20 13:56	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/14/20 13:56	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/14/20 13:56	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/14/20 13:56	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/14/20 13:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/14/20 13:56	1
1,2,3-Trichloropropene	ND		0.20	0.050 ug/L			12/14/20 13:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/14/20 13:56	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/14/20 13:56	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/14/20 13:56	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/14/20 13:56	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/14/20 13:56	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/14/20 13:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/14/20 13:56	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 13:56	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/14/20 13:56	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/14/20 13:56	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/14/20 13:56	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/14/20 13:56	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/14/20 13:56	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/14/20 13:56	1
Benzene	ND		0.20	0.030 ug/L			12/14/20 13:56	1
Bromobenzene	ND		0.20	0.038 ug/L			12/14/20 13:56	1
Bromoform	ND		0.50	0.16 ug/L			12/14/20 13:56	1
Bromomethane	ND		0.50	0.062 ug/L			12/14/20 13:56	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/14/20 13:56	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: MB 580-345516/7
Matrix: Water
Analysis Batch: 345516

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.110	J	0.20	0.025 ug/L			12/14/20 13:56	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/14/20 13:56	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/14/20 13:56	1
Chloroethane	ND		0.50	0.096 ug/L			12/14/20 13:56	1
Chloroform	ND		0.20	0.030 ug/L			12/14/20 13:56	1
Chloromethane	ND		0.50	0.068 ug/L			12/14/20 13:56	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/14/20 13:56	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/14/20 13:56	1
Dibromomethane	ND		0.20	0.062 ug/L			12/14/20 13:56	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/14/20 13:56	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/14/20 13:56	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/14/20 13:56	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/14/20 13:56	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/14/20 13:56	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/14/20 13:56	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/14/20 13:56	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/14/20 13:56	1
Naphthalene	ND		1.0	0.22 ug/L			12/14/20 13:56	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/14/20 13:56	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/14/20 13:56	1
o-Xylene	ND		0.50	0.15 ug/L			12/14/20 13:56	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/14/20 13:56	1
Styrene	ND		1.0	0.19 ug/L			12/14/20 13:56	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/14/20 13:56	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/14/20 13:56	1
Toluene	ND		0.20	0.050 ug/L			12/14/20 13:56	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/14/20 13:56	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/14/20 13:56	1
Trichloroethene	ND		0.20	0.066 ug/L			12/14/20 13:56	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/14/20 13:56	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/14/20 13:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		12/14/20 13:56	1
4-Bromofluorobenzene (Surr)	99		80 - 120		12/14/20 13:56	1
Dibromofluoromethane (Surr)	102		80 - 120		12/14/20 13:56	1
Toluene-d8 (Surr)	103		80 - 120		12/14/20 13:56	1

Lab Sample ID: LCS 580-345516/4
Matrix: Water
Analysis Batch: 345516

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	4.95		ug/L		99	79 - 127
1,1,1-Trichloroethane	5.00	4.78		ug/L		96	79 - 121
1,1,2,2-Tetrachloroethane	5.00	5.43		ug/L		109	76 - 123
1,1,2-Trichloroethane	5.00	5.05		ug/L		101	80 - 127
1,1-Dichloroethane	5.00	4.96		ug/L		99	74 - 120

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCS 580-345516/4
Matrix: Water
Analysis Batch: 345516

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	5.00	4.71		ug/L		94	79 - 120
1,1-Dichloropropene	5.00	4.83		ug/L		97	72 - 120
1,2,3-Trichlorobenzene	5.00	5.38		ug/L		108	75 - 128
1,2,3-Trichloropropane	5.00	5.47		ug/L		109	75 - 127
1,2,4-Trichlorobenzene	5.00	5.47		ug/L		109	79 - 121
1,2,4-Trimethylbenzene	5.00	5.14		ug/L		103	78 - 127
1,2-Dibromo-3-Chloropropane	5.00	5.04		ug/L		101	73 - 123
1,2-Dichlorobenzene	5.00	5.19		ug/L		104	80 - 129
1,2-Dichloroethane	5.00	5.07		ug/L		101	74 - 120
1,2-Dichloropropane	5.00	5.01		ug/L		100	80 - 130
1,3,5-Trimethylbenzene	5.00	5.09		ug/L		102	80 - 129
1,3-Dichlorobenzene	5.00	5.18		ug/L		104	80 - 130
1,3-Dichloropropane	5.00	5.24		ug/L		105	80 - 123
1,4-Dichlorobenzene	5.00	5.24		ug/L		105	80 - 129
2,2-Dichloropropane	5.00	4.85		ug/L		97	67 - 133
2-Chlorotoluene	5.00	5.02		ug/L		100	80 - 120
4-Chlorotoluene	5.00	5.08		ug/L		102	80 - 124
4-Isopropyltoluene	5.00	5.23		ug/L		105	78 - 132
Benzene	5.00	4.90		ug/L		98	73 - 120
Bromobenzene	5.00	5.12		ug/L		102	80 - 130
Bromoform	5.00	5.38		ug/L		108	69 - 125
Bromomethane	5.00	5.28		ug/L		106	68 - 131
Carbon tetrachloride	5.00	4.69		ug/L		94	78 - 120
Chlorobenzene	5.00	5.01		ug/L		100	80 - 123
Chlorobromomethane	5.00	5.03		ug/L		101	79 - 131
Chlorodibromomethane	5.00	5.14		ug/L		103	76 - 126
Chloroethane	5.00	5.13		ug/L		103	70 - 135
Chloroform	5.00	4.96		ug/L		99	80 - 130
Chloromethane	5.00	5.11		ug/L		102	66 - 134
cis-1,2-Dichloroethene	5.00	4.74		ug/L		95	72 - 130
cis-1,3-Dichloropropene	5.00	5.18		ug/L		104	77 - 120
Dibromomethane	5.00	5.18		ug/L		104	65 - 141
Dichlorobromomethane	5.00	4.87		ug/L		97	74 - 120
Dichlorodifluoromethane	5.00	4.20		ug/L		84	58 - 126
Ethylbenzene	5.00	5.15		ug/L		103	80 - 130
Hexachlorobutadiene	5.00	5.02		ug/L		100	78 - 120
Isopropylbenzene	5.00	5.12		ug/L		102	83 - 131
Methyl tert-butyl ether	5.00	5.18		ug/L		104	73 - 125
Methylene Chloride	5.00	4.98	J	ug/L		100	68 - 134
m-Xylene & p-Xylene	5.00	5.14		ug/L		103	86 - 130
Naphthalene	5.00	4.96		ug/L		99	69 - 123
n-Butylbenzene	5.00	4.83		ug/L		97	80 - 127
N-Propylbenzene	5.00	5.20		ug/L		104	77 - 142
o-Xylene	5.00	5.18		ug/L		104	80 - 133
sec-Butylbenzene	5.00	5.18		ug/L		104	84 - 132
Styrene	5.00	5.05		ug/L		101	74 - 136
tert-Butylbenzene	5.00	5.14		ug/L		103	77 - 129
Tetrachloroethene	5.00	5.02		ug/L		100	75 - 131
Toluene	5.00	5.11		ug/L		102	80 - 126

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCS 580-345516/4
Matrix: Water
Analysis Batch: 345516

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	5.00	4.75		ug/L		95	63 - 133
trans-1,3-Dichloropropene	5.00	5.15		ug/L		103	71 - 128
Trichloroethene	5.00	4.65		ug/L		93	72 - 136
Trichlorofluoromethane	5.00	4.62		ug/L		92	75 - 120
Vinyl chloride	5.00	4.86		ug/L		97	69 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 580-345516/5
Matrix: Water
Analysis Batch: 345516

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
1,1,1,2-Tetrachloroethane	5.00	4.89		ug/L		98	79 - 127	1	11
1,1,1-Trichloroethane	5.00	4.63		ug/L		93	79 - 121	3	14
1,1,2,2-Tetrachloroethane	5.00	5.35		ug/L		107	76 - 123	2	10
1,1,2-Trichloroethane	5.00	5.10		ug/L		102	80 - 127	1	10
1,1-Dichloroethane	5.00	4.86		ug/L		97	74 - 120	2	10
1,1-Dichloroethene	5.00	4.59		ug/L		92	79 - 120	3	17
1,1-Dichloropropene	5.00	4.74		ug/L		95	72 - 120	2	10
1,2,3-Trichlorobenzene	5.00	4.93		ug/L		99	75 - 128	9	20
1,2,3-Trichloropropane	5.00	5.37		ug/L		107	75 - 127	2	12
1,2,4-Trichlorobenzene	5.00	5.09		ug/L		102	79 - 121	7	20
1,2,4-Trimethylbenzene	5.00	4.91		ug/L		98	78 - 127	4	10
1,2-Dibromo-3-Chloropropane	5.00	4.75		ug/L		95	73 - 123	6	16
1,2-Dichlorobenzene	5.00	4.97		ug/L		99	80 - 129	4	10
1,2-Dichloroethane	5.00	4.95		ug/L		99	74 - 120	2	10
1,2-Dichloropropane	5.00	4.91		ug/L		98	80 - 130	2	14
1,3,5-Trimethylbenzene	5.00	4.88		ug/L		98	80 - 129	4	10
1,3-Dichlorobenzene	5.00	4.90		ug/L		98	80 - 130	6	12
1,3-Dichloropropane	5.00	5.14		ug/L		103	80 - 123	2	19
1,4-Dichlorobenzene	5.00	5.00		ug/L		100	80 - 129	5	11
2,2-Dichloropropane	5.00	4.61		ug/L		92	67 - 133	5	16
2-Chlorotoluene	5.00	4.78		ug/L		96	80 - 120	5	10
4-Chlorotoluene	5.00	4.83		ug/L		97	80 - 124	5	10
4-Isopropyltoluene	5.00	4.96		ug/L		99	78 - 132	5	14
Benzene	5.00	4.79		ug/L		96	73 - 120	2	10
Bromobenzene	5.00	4.99		ug/L		100	80 - 130	2	11
Bromoform	5.00	5.32		ug/L		106	69 - 125	1	10
Bromomethane	5.00	5.23		ug/L		105	68 - 131	1	18
Carbon tetrachloride	5.00	4.58		ug/L		92	78 - 120	2	10
Chlorobenzene	5.00	4.89		ug/L		98	80 - 123	3	12
Chlorobromomethane	5.00	4.98		ug/L		100	79 - 131	1	10
Chlorodibromomethane	5.00	5.09		ug/L		102	76 - 126	1	10

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCSD 580-345516/5
Matrix: Water
Analysis Batch: 345516

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
Chloroethane	5.00	4.94		ug/L		99	70 - 135	4	20
Chloroform	5.00	4.88		ug/L		98	80 - 130	2	10
Chloromethane	5.00	4.97		ug/L		99	66 - 134	3	16
cis-1,2-Dichloroethene	5.00	4.63		ug/L		93	72 - 130	2	10
cis-1,3-Dichloropropene	5.00	5.08		ug/L		102	77 - 120	2	10
Dibromomethane	5.00	5.20		ug/L		104	65 - 141	0	10
Dichlorobromomethane	5.00	4.82		ug/L		96	74 - 120	1	10
Dichlorodifluoromethane	5.00	3.71		ug/L		74	58 - 126	12	16
Ethylbenzene	5.00	4.98		ug/L		100	80 - 130	3	10
Hexachlorobutadiene	5.00	4.67		ug/L		93	78 - 120	7	15
Isopropylbenzene	5.00	4.91		ug/L		98	83 - 131	4	10
Methyl tert-butyl ether	5.00	5.13		ug/L		103	73 - 125	1	12
Methylene Chloride	5.00	4.91	J	ug/L		98	68 - 134	1	18
m-Xylene & p-Xylene	5.00	5.06		ug/L		101	86 - 130	2	10
Naphthalene	5.00	4.63		ug/L		93	69 - 123	7	20
n-Butylbenzene	5.00	4.61		ug/L		92	80 - 127	5	10
N-Propylbenzene	5.00	4.90		ug/L		98	77 - 142	6	20
o-Xylene	5.00	5.00		ug/L		100	80 - 133	3	10
sec-Butylbenzene	5.00	4.95		ug/L		99	84 - 132	5	10
Styrene	5.00	4.92		ug/L		98	74 - 136	3	10
tert-Butylbenzene	5.00	4.87		ug/L		97	77 - 129	5	10
Tetrachloroethene	5.00	4.92		ug/L		98	75 - 131	2	20
Toluene	5.00	5.00		ug/L		100	80 - 126	2	20
trans-1,2-Dichloroethene	5.00	4.61		ug/L		92	63 - 133	3	17
trans-1,3-Dichloropropene	5.00	5.06		ug/L		101	71 - 128	2	16
Trichloroethene	5.00	4.57		ug/L		91	72 - 136	2	14
Trichlorofluoromethane	5.00	4.46		ug/L		89	75 - 120	3	13
Vinyl chloride	5.00	4.66		ug/L		93	69 - 128	4	21

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	107		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 580-345650/7
Matrix: Water
Analysis Batch: 345650

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L		12/15/20 12:12	1
1,2-Dichloroethane	0.0470	J	0.20	0.043	ug/L		12/15/20 12:12	1
1,3,5-Trimethylbenzene	ND		0.50	0.15	ug/L		12/15/20 12:12	1
Benzene	0.0749	J	0.20	0.030	ug/L		12/15/20 12:12	1
Ethylbenzene	ND		0.20	0.030	ug/L		12/15/20 12:12	1
Isopropylbenzene	ND		1.0	0.19	ug/L		12/15/20 12:12	1
Naphthalene	ND		1.0	0.22	ug/L		12/15/20 12:12	1
n-Butylbenzene	ND		1.0	0.23	ug/L		12/15/20 12:12	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: MB 580-345650/7
Matrix: Water
Analysis Batch: 345650

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		0.30	0.091 ug/L			12/15/20 12:12	1
o-Xylene	ND		0.50	0.15 ug/L			12/15/20 12:12	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120				12/15/20 12:12	1
4-Bromofluorobenzene (Surr)	99		80 - 120				12/15/20 12:12	1
Dibromofluoromethane (Surr)	103		80 - 120				12/15/20 12:12	1
Toluene-d8 (Surr)	104		80 - 120				12/15/20 12:12	1

Lab Sample ID: LCS 580-345650/4
Matrix: Water
Analysis Batch: 345650

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	5.00	5.26		ug/L		105	80 - 127
1,2-Dichloroethane	5.00	5.33		ug/L		107	74 - 120
1,3,5-Trimethylbenzene	5.00	5.49		ug/L		110	80 - 129
Benzene	5.00	5.29		ug/L		106	73 - 120
Ethylbenzene	5.00	5.55		ug/L		111	80 - 130
Isopropylbenzene	5.00	5.56		ug/L		111	83 - 131
Naphthalene	5.00	4.95		ug/L		99	69 - 123
n-Butylbenzene	5.00	5.28		ug/L		106	80 - 127
N-Propylbenzene	5.00	5.50		ug/L		110	77 - 142
o-Xylene	5.00	5.60		ug/L		112	80 - 133
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	106		80 - 120				
4-Bromofluorobenzene (Surr)	101		80 - 120				
Dibromofluoromethane (Surr)	103		80 - 120				
Toluene-d8 (Surr)	103		80 - 120				

Lab Sample ID: LCSD 580-345650/5
Matrix: Water
Analysis Batch: 345650

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
1,1,2-Trichloroethane	5.00	5.17		ug/L		103	80 - 127	2	10
1,2-Dichloroethane	5.00	5.15		ug/L		103	74 - 120	3	10
1,3,5-Trimethylbenzene	5.00	5.17		ug/L		103	80 - 129	6	10
Benzene	5.00	5.11		ug/L		102	73 - 120	4	10
Ethylbenzene	5.00	5.34		ug/L		107	80 - 130	4	10
Isopropylbenzene	5.00	5.29		ug/L		106	83 - 131	5	10
Naphthalene	5.00	4.63		ug/L		93	69 - 123	7	20
n-Butylbenzene	5.00	4.96		ug/L		99	80 - 127	6	10
N-Propylbenzene	5.00	5.21		ug/L		104	77 - 142	5	20
o-Xylene	5.00	5.35		ug/L		107	80 - 133	5	10

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCSD 580-345650/5
Matrix: Water
Analysis Batch: 345650

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

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 580-345810/7
Matrix: Water
Analysis Batch: 345810

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

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/17/20 11:26	1
Benzene	0.0301	J	0.20	0.030 ug/L			12/17/20 11:26	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/17/20 11:26	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/17/20 11:26	1
Naphthalene	ND		1.0	0.22 ug/L			12/17/20 11:26	1
o-Xylene	ND		0.50	0.15 ug/L			12/17/20 11:26	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		12/17/20 11:26	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/17/20 11:26	1
Dibromofluoromethane (Surr)	105		80 - 120		12/17/20 11:26	1
Toluene-d8 (Surr)	107		80 - 120		12/17/20 11:26	1

Lab Sample ID: LCS 580-345810/4
Matrix: Water
Analysis Batch: 345810

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,3,5-Trimethylbenzene	5.00	5.50		ug/L		110	80 - 129
Benzene	5.00	5.27		ug/L		105	73 - 120
Isopropylbenzene	5.00	5.50		ug/L		110	83 - 131
m-Xylene & p-Xylene	5.00	5.46		ug/L		109	86 - 130
Naphthalene	5.00	4.64		ug/L		93	69 - 123
o-Xylene	5.00	5.60		ug/L		112	80 - 133

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

Lab Sample ID: LCSD 580-345810/5
Matrix: Water
Analysis Batch: 345810

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

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
1,3,5-Trimethylbenzene	5.00	5.02		ug/L		100	80 - 129	9	10
Benzene	5.00	4.93		ug/L		99	73 - 120	7	10

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCSD 580-345810/5
Matrix: Water
Analysis Batch: 345810

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
Isopropylbenzene	5.00	5.08		ug/L		102	83 - 131	8	10
m-Xylene & p-Xylene	5.00	5.15		ug/L		103	86 - 130	6	10
Naphthalene	5.00	4.51		ug/L		90	69 - 123	3	20
o-Xylene	5.00	5.21		ug/L		104	80 - 133	7	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 580-346004/7
Matrix: Water
Analysis Batch: 346004

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/19/20 16:25	1
Benzene	ND		0.20	0.030 ug/L			12/19/20 16:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/19/20 16:25	1
4-Bromofluorobenzene (Surr)	94		80 - 120		12/19/20 16:25	1
Dibromofluoromethane (Surr)	102		80 - 120		12/19/20 16:25	1
Toluene-d8 (Surr)	120		80 - 120		12/19/20 16:25	1

Lab Sample ID: LCS 580-346004/4
Matrix: Water
Analysis Batch: 346004

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	5.00	5.85		ug/L		117	78 - 127
Benzene	5.00	5.45		ug/L		109	73 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: LCSD 580-346004/5
Matrix: Water
Analysis Batch: 346004

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
1,2,4-Trimethylbenzene	5.00	5.66		ug/L		113	78 - 127	3	10
Benzene	5.00	5.41		ug/L		108	73 - 120	1	10

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCSD 580-346004/5
Matrix: Water
Analysis Batch: 346004

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

Surrogate	LCS D %Recovery	LCS D Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	116		80 - 120

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

Lab Sample ID: MB 580-345553/4
Matrix: Water
Analysis Batch: 345553

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/14/20 13:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		12/14/20 13:57	1

Lab Sample ID: LCS 580-345553/5
Matrix: Water
Analysis Batch: 345553

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1.00	0.881		mg/L		88	79 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		50 - 150

Lab Sample ID: LCSD 580-345553/6
Matrix: Water
Analysis Batch: 345553

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	1.00	0.872		mg/L		87	79 - 120	1	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		50 - 150

Lab Sample ID: MB 580-345678/4
Matrix: Water
Analysis Batch: 345678

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/15/20 14:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		50 - 150		12/15/20 14:20	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCS 580-345678/5
Matrix: Water
Analysis Batch: 345678

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1.00	0.888		mg/L		89	79 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		50 - 150				

Lab Sample ID: LCSD 580-345678/6
Matrix: Water
Analysis Batch: 345678

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	1.00	0.893		mg/L		89	79 - 120	1	10
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		50 - 150						

Lab Sample ID: MB 580-346009/4
Matrix: Water
Analysis Batch: 346009

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	mg/L			12/19/20 15:12	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	89		50 - 150		12/19/20 15:12	1		

Lab Sample ID: LCS 580-346009/5
Matrix: Water
Analysis Batch: 346009

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1.00	0.935		mg/L		93	79 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	98		50 - 150				

Lab Sample ID: LCSD 580-346009/6
Matrix: Water
Analysis Batch: 346009

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	1.00	0.918		mg/L		92	79 - 120	2	10
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	97		50 - 150						

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-346125/1-A
Matrix: Water
Analysis Batch: 346194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346125

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/21/20 15:26	12/22/20 13:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	101		60 - 140			12/21/20 15:26	12/22/20 13:42	1
1,2-Dibromopropane	100		60 - 140			12/21/20 15:26	12/22/20 13:42	1

Lab Sample ID: LCS 580-346125/2-A
Matrix: Water
Analysis Batch: 346194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	
Ethylene Dibromide	0.0576	0.0638		ug/L		111	60 - 140	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
1,2-Dibromopropane	91		60 - 140					
1,2-Dibromopropane	87		60 - 140					

Lab Sample ID: LCSD 580-346125/3-A
Matrix: Water
Analysis Batch: 346194

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346125

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ethylene Dibromide	0.0576	0.0642		ug/L		112	60 - 140	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dibromopropane	103		60 - 140						
1,2-Dibromopropane	103		60 - 140						

Lab Sample ID: LLCS 580-346125/4-A
Matrix: Water
Analysis Batch: 346194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346125

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits	
Ethylene Dibromide	0.0115	0.0133		ug/L		116	60 - 145	
Surrogate	LLCS %Recovery	LLCS Qualifier	Limits					
1,2-Dibromopropane	105		60 - 140					
1,2-Dibromopropane	105		60 - 140					

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-520347/1-A
Matrix: Water
Analysis Batch: 523041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520347

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		1.0	0.46 ug/L		12/14/20 11:47	01/11/21 03:57	1
2,4-D	ND		4.0	0.53 ug/L		12/14/20 11:47	01/11/21 03:57	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: MB 280-520347/1-A
Matrix: Water
Analysis Batch: 523041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520347

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND		4.0	0.75 ug/L		12/14/20 11:47	01/11/21 03:57	1
Dalapon	ND		2.0	0.91 ug/L		12/14/20 11:47	01/11/21 03:57	1
Dicamba	ND		2.0	0.44 ug/L		12/14/20 11:47	01/11/21 03:57	1
Dichlorprop	ND		4.0	0.65 ug/L		12/14/20 11:47	01/11/21 03:57	1
Dinoseb	ND		1.0	0.45 ug/L		12/14/20 11:47	01/11/21 03:57	1
MCPA	ND		400	48 ug/L		12/14/20 11:47	01/11/21 03:57	1
MCPP	ND		400	33 ug/L		12/14/20 11:47	01/11/21 03:57	1
Picloram	ND		0.50	0.24 ug/L		12/14/20 11:47	01/11/21 03:57	1
Silvex (2,4,5-TP)	ND		1.0	0.17 ug/L		12/14/20 11:47	01/11/21 03:57	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	157	S1+	39 - 135			12/14/20 11:47	01/11/21 03:57	1

Lab Sample ID: MB 280-520347/1-A
Matrix: Water
Analysis Batch: 523295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520347

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		1.0	0.46 ug/L		12/14/20 11:47	01/13/21 04:48	1
2,4-D	ND		4.0	0.53 ug/L		12/14/20 11:47	01/13/21 04:48	1
2,4-DB	ND		4.0	0.75 ug/L		12/14/20 11:47	01/13/21 04:48	1
Dalapon	ND		2.0	0.91 ug/L		12/14/20 11:47	01/13/21 04:48	1
Dicamba	ND		2.0	0.44 ug/L		12/14/20 11:47	01/13/21 04:48	1
Dichlorprop	ND		4.0	0.65 ug/L		12/14/20 11:47	01/13/21 04:48	1
Dinoseb	ND		1.0	0.45 ug/L		12/14/20 11:47	01/13/21 04:48	1
MCPA	ND		400	48 ug/L		12/14/20 11:47	01/13/21 04:48	1
MCPP	ND		400	33 ug/L		12/14/20 11:47	01/13/21 04:48	1
Picloram	ND		0.50	0.24 ug/L		12/14/20 11:47	01/13/21 04:48	1
Silvex (2,4,5-TP)	ND		1.0	0.17 ug/L		12/14/20 11:47	01/13/21 04:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	230	S1+	39 - 135			12/14/20 11:47	01/13/21 04:48	1

Lab Sample ID: MB 280-520347/1-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520347

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		1.0	0.46 ug/L		12/14/20 11:47	01/17/21 05:32	1
2,4-D	ND		4.0	0.53 ug/L		12/14/20 11:47	01/17/21 05:32	1
2,4-DB	ND		4.0	0.75 ug/L		12/14/20 11:47	01/17/21 05:32	1
Dalapon	ND		2.0	0.91 ug/L		12/14/20 11:47	01/17/21 05:32	1
Dicamba	ND		2.0	0.44 ug/L		12/14/20 11:47	01/17/21 05:32	1
Dichlorprop	ND		4.0	0.65 ug/L		12/14/20 11:47	01/17/21 05:32	1
Dinoseb	ND		1.0	0.45 ug/L		12/14/20 11:47	01/17/21 05:32	1
MCPA	ND		400	48 ug/L		12/14/20 11:47	01/17/21 05:32	1
MCPP	ND		400	33 ug/L		12/14/20 11:47	01/17/21 05:32	1
Picloram	ND		0.50	0.24 ug/L		12/14/20 11:47	01/17/21 05:32	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: MB 280-520347/1-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520347

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		1.0	0.17 ug/L		12/14/20 11:47	01/17/21 05:32	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	33	S1-	39 - 135			12/14/20 11:47	01/17/21 05:32	1

Lab Sample ID: LCS 280-520347/2-A
Matrix: Water
Analysis Batch: 523041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-T	5.00	6.18	*+	ug/L		124	42 - 121
2,4-D	5.00	5.51		ug/L		110	41 - 124
2,4-DB	5.00	5.24		ug/L		105	35 - 117
Dalapon	5.00	4.72		ug/L		94	24 - 124
Dicamba	5.00	4.75		ug/L		95	44 - 114
Dichlorprop	5.00	5.26		ug/L		105	46 - 117
Dinoseb	5.00	4.53		ug/L		91	59 - 179
MCPA	500	487		ug/L		97	37 - 106
MCPP	500	650		ug/L		130	33 - 131
Picloram	5.00	2.32		ug/L		46	39 - 109
Silvex (2,4,5-TP)	5.00	5.51		ug/L		110	48 - 123
Surrogate	%Recovery	LCS Qualifier	Limits				
2,4-Dichlorophenylacetic acid	119		39 - 135				

Lab Sample ID: LCS 280-520347/2-A
Matrix: Water
Analysis Batch: 523295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-T	5.00	9.05	*+	ug/L		181	42 - 121
2,4-D	5.00	8.11	*+	ug/L		162	41 - 124
2,4-DB	5.00	6.68	*+	ug/L		134	35 - 117
Dalapon	5.00	6.18		ug/L		124	24 - 124
Dicamba	5.00	7.63	*+	ug/L		153	44 - 114
Dichlorprop	5.00	8.23	*+	ug/L		165	46 - 117
Dinoseb	5.00	6.22		ug/L		124	59 - 179
MCPA	500	833	*+	ug/L		167	37 - 106
MCPP	500	1400	*+	ug/L		280	33 - 131
Picloram	5.00	4.03		ug/L		81	39 - 109
Silvex (2,4,5-TP)	5.00	7.89	*+	ug/L		158	48 - 123
Surrogate	%Recovery	LCS Qualifier	Limits				
2,4-Dichlorophenylacetic acid	180	S1+	39 - 135				

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCS 280-520347/2-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520347
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-T	5.00	6.15	*+	ug/L		123	42 - 121
2,4-D	5.00	5.69		ug/L		114	41 - 124
2,4-DB	5.00	5.37		ug/L		107	35 - 117
Dalapon	5.00	4.61		ug/L		92	24 - 124
Dicamba	5.00	5.30		ug/L		106	44 - 114
Dichlorprop	5.00	5.84		ug/L		117	46 - 117
Dinoseb	5.00	3.59		ug/L		72	59 - 179
MCPA	500	514		ug/L		103	37 - 106
MCPP	500	594		ug/L		119	33 - 131
Picloram	5.00	3.03		ug/L		61	39 - 109
Silvex (2,4,5-TP)	5.00	6.08		ug/L		122	48 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	129		39 - 135

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

Lab Sample ID: MB 580-345994/1-A
Matrix: Water
Analysis Batch: 346132

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345994

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.11	0.065 mg/L		12/19/20 10:50	12/21/20 20:42	1
Motor Oil (>C24-C36)	ND		0.35	0.096 mg/L		12/19/20 10:50	12/21/20 20:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	12/19/20 10:50	12/21/20 20:42	1

Lab Sample ID: LCS 580-345994/2-A
Matrix: Water
Analysis Batch: 346132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 345994
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2.00	1.69		mg/L		85	50 - 120
Motor Oil (>C24-C36)	2.00	1.87		mg/L		94	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	105		50 - 150

Lab Sample ID: LCSD 580-345994/3-A
Matrix: Water
Analysis Batch: 346132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 345994
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2.00	1.74		mg/L		87	50 - 120	3	26
Motor Oil (>C24-C36)	2.00	1.98		mg/L		99	64 - 120	5	24

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCSD 580-345994/3-A
Matrix: Water
Analysis Batch: 346132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 345994

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	105		50 - 150

Lab Sample ID: MB 580-346190/1-A
Matrix: Water
Analysis Batch: 346287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346190

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.0724	J	0.11	0.065 mg/L		12/22/20 11:38	12/23/20 11:53	1
Motor Oil (>C24-C36)	ND		0.35	0.096 mg/L		12/22/20 11:38	12/23/20 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	12/22/20 11:38	12/23/20 11:53	1

Lab Sample ID: LCS 580-346190/2-A
Matrix: Water
Analysis Batch: 346287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346190

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2.00	1.93		mg/L		96	50 - 120
Motor Oil (>C24-C36)	2.00	1.95		mg/L		97	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	77		50 - 150

Lab Sample ID: LCSD 580-346190/3-A
Matrix: Water
Analysis Batch: 346287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346190

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2.00	1.79		mg/L		89	50 - 120	8	26
Motor Oil (>C24-C36)	2.00	1.89		mg/L		94	64 - 120	3	24

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	79		50 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-346260/24-A
Matrix: Water
Analysis Batch: 346419

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 346260

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0010 mg/L		12/22/20 19:38	12/23/20 14:15	5
Barium	ND		0.0060	0.0011 mg/L		12/22/20 19:38	12/23/20 14:15	5
Cadmium	ND		0.0040	0.00050 mg/L		12/22/20 19:38	12/23/20 14:15	5
Chromium	ND		0.0040	0.00087 mg/L		12/22/20 19:38	12/23/20 14:15	5
Lead	ND		0.0040	0.0010 mg/L		12/22/20 19:38	12/23/20 14:15	5
Selenium	ND		0.040	0.010 mg/L		12/22/20 19:38	12/23/20 14:15	5

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: MB 580-346260/24-A
Matrix: Water
Analysis Batch: 346419

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 346260

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0020	0.00028 mg/L		12/22/20 19:38	12/23/20 14:15	5

Lab Sample ID: LCS 580-346260/25-A
Matrix: Water
Analysis Batch: 346419

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 346260

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	1.01		mg/L		101	80 - 120
Cadmium	1.00	0.998		mg/L		100	80 - 120
Chromium	1.00	0.981		mg/L		98	80 - 120
Lead	1.00	1.00		mg/L		100	80 - 120
Selenium	1.00	0.985		mg/L		98	80 - 120
Silver	1.00	0.981		mg/L		98	80 - 120

Lab Sample ID: LCSD 580-346260/26-A
Matrix: Water
Analysis Batch: 346419

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 346260

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	1.00	1.01		mg/L		101	80 - 120	1	20
Barium	1.00	1.01		mg/L		101	80 - 120	0	20
Cadmium	1.00	0.993		mg/L		99	80 - 120	1	20
Chromium	1.00	0.981		mg/L		98	80 - 120	0	20
Lead	1.00	0.994		mg/L		99	80 - 120	1	20
Selenium	1.00	0.996		mg/L		100	80 - 120	1	20
Silver	1.00	0.983		mg/L		98	80 - 120	0	20

Lab Sample ID: 580-99709-1 MS
Matrix: Water
Analysis Batch: 346419

Client Sample ID: BH2-1-W-12
Prep Type: Dissolved
Prep Batch: 346260

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.18		1.00	1.12		mg/L		94	80 - 120
Barium	0.039		1.00	0.982		mg/L		94	80 - 120
Cadmium	ND		1.00	0.937		mg/L		94	80 - 120
Chromium	ND		1.00	0.912		mg/L		91	80 - 120
Lead	0.0014	J	1.00	0.936		mg/L		93	80 - 120
Selenium	ND		1.00	0.909		mg/L		91	80 - 120
Silver	ND		1.00	0.919		mg/L		92	80 - 120

Lab Sample ID: 580-99709-1 MSD
Matrix: Water
Analysis Batch: 346419

Client Sample ID: BH2-1-W-12
Prep Type: Dissolved
Prep Batch: 346260

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	0.18		1.00	1.20		mg/L		102	80 - 120	6	20
Barium	0.039		1.00	1.03		mg/L		99	80 - 120	5	20
Cadmium	ND		1.00	0.997		mg/L		100	80 - 120	6	20
Chromium	ND		1.00	0.969		mg/L		97	80 - 120	6	20

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: 580-99709-1 MSD
Matrix: Water
Analysis Batch: 346419

Client Sample ID: BH2-1-W-12
Prep Type: Dissolved
Prep Batch: 346260

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.0014	J	1.00	1.00		mg/L		100	80 - 120	7	20
Selenium	ND		1.00	0.946		mg/L		95	80 - 120	4	20
Silver	ND		1.00	0.956		mg/L		96	80 - 120	4	20

Lab Sample ID: 580-99709-1 DU
Matrix: Water
Analysis Batch: 346419

Client Sample ID: BH2-1-W-12
Prep Type: Dissolved
Prep Batch: 346260

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.18		0.174		mg/L		3	20
Barium	0.039		0.0397		mg/L		2	20
Cadmium	ND		ND		mg/L		NC	20
Chromium	ND		ND		mg/L		NC	20
Lead	0.0014	J	ND		mg/L		NC	20
Selenium	ND		ND		mg/L		NC	20
Silver	ND		ND		mg/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-345758/20
Matrix: Water
Analysis Batch: 345758

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.90	0.14 mg/L			12/15/20 19:42	1
Sulfate	0.782	J	1.2	0.26 mg/L			12/15/20 19:42	1

Lab Sample ID: LCS 580-345758/23
Matrix: Water
Analysis Batch: 345758

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	52.1		mg/L		104	90 - 110
Sulfate	50.0	51.5		mg/L		103	90 - 110

Lab Sample ID: LCSD 580-345758/24
Matrix: Water
Analysis Batch: 345758

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
Chloride	50.0	52.1		mg/L		104	90 - 110	0	15
Sulfate	50.0	51.8		mg/L		104	90 - 110	1	15

Lab Sample ID: MB 580-346182/41
Matrix: Water
Analysis Batch: 346182

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.90	0.14 mg/L			12/21/20 21:18	1
Sulfate	0.409	J	1.2	0.26 mg/L			12/21/20 21:18	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 580-346182/42
Matrix: Water
Analysis Batch: 346182

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	53.2		mg/L		106	90 - 110
Sulfate	50.0	52.8		mg/L		106	90 - 110

Lab Sample ID: LCSD 580-346182/43
Matrix: Water
Analysis Batch: 346182

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
Chloride	50.0	53.2		mg/L		106	90 - 110	0	15
Sulfate	50.0	52.8		mg/L		106	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-520807/20
Matrix: Water
Analysis Batch: 520807

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	mg/L			12/16/20 13:10	1

Lab Sample ID: MB 280-520807/59
Matrix: Water
Analysis Batch: 520807

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	mg/L			12/16/20 14:28	1

Lab Sample ID: LCS 280-520807/18
Matrix: Water
Analysis Batch: 520807

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	2.62		mg/L		105	90 - 110

Lab Sample ID: LCS 280-520807/57
Matrix: Water
Analysis Batch: 520807

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	2.50		mg/L		100	90 - 110

Lab Sample ID: LCSD 280-520807/19
Matrix: Water
Analysis Batch: 520807

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	2.54		mg/L		102	90 - 110	3	10

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCSD 280-520807/58
Matrix: Water
Analysis Batch: 520807

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	2.53		mg/L		101	90 - 110	1	10

Lab Sample ID: 580-99709-6 MS
Matrix: Water
Analysis Batch: 520807

Client Sample ID: BH2-6-W-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.12		1.00	1.10		mg/L		98	90 - 110

Lab Sample ID: 580-99709-6 MSD
Matrix: Water
Analysis Batch: 520807

Client Sample ID: BH2-6-W-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	0.12		1.00	1.09		mg/L		97	90 - 110	1	10

Lab Sample ID: MB 280-521122/59
Matrix: Water
Analysis Batch: 521122

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022 mg/L			12/18/20 14:38	1

Lab Sample ID: LCS 280-521122/57
Matrix: Water
Analysis Batch: 521122

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	2.36		mg/L		94	90 - 110

Lab Sample ID: LCSD 280-521122/58
Matrix: Water
Analysis Batch: 521122

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	2.43		mg/L		97	90 - 110	3	10

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-520765/22
Matrix: Water
Analysis Batch: 520765

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.019 mg/L			12/16/20 19:17	1

QC Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

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

Lab Sample ID: LCS 280-520765/21
Matrix: Water
Analysis Batch: 520765

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	4.92		mg/L		98	90 - 110

Lab Sample ID: MB 280-521183/22
Matrix: Water
Analysis Batch: 521183

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	mg/L			12/20/20 16:40	1

Lab Sample ID: LCS 280-521183/21
Matrix: Water
Analysis Batch: 521183

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	4.92		mg/L		98	90 - 110

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-1-W-12

Lab Sample ID: 580-99709-1

Date Collected: 12/07/20 11:42

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345516	12/14/20 18:03	TL1	TAL SEA
Total/NA	Analysis	8260C LL	DL	100	345810	12/17/20 12:16	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345553	12/14/20 16:24	CJ	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 15:02	T1W	TAL SEA
Total/NA	Prep	8151A			520347	12/14/20 11:47	DFB1	TAL DEN
Total/NA	Analysis	8151A		10	523041	01/11/21 04:40	MB	TAL DEN
Total/NA	Prep	3510C			345994	12/19/20 10:50	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346132	12/21/20 21:41	ADB	TAL SEA
Dissolved	Prep	3005A			346260	12/22/20 19:38	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346419	12/23/20 14:18	FCW	TAL SEA
Total/NA	Analysis	300.0		10	345758	12/16/20 14:16	AAC	TAL SEA
Total/NA	Analysis	350.1		1000	520807	12/16/20 16:15	BWH	TAL DEN
Total/NA	Analysis	353.2		20	520765	12/16/20 20:05	SVC	TAL DEN

Client Sample ID: BH2-2-W-12

Lab Sample ID: 580-99709-2

Date Collected: 12/07/20 13:25

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345516	12/14/20 18:28	TL1	TAL SEA
Total/NA	Analysis	8260C LL	DL	10	345650	12/15/20 14:16	TL1	TAL SEA
Total/NA	Analysis	8260C LL	DL	100	345810	12/17/20 12:40	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		20	346009	12/19/20 16:25	CJ	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 15:17	T1W	TAL SEA
Total/NA	Prep	8151A			520347	12/14/20 11:47	DFB1	TAL DEN
Total/NA	Analysis	8151A		10	523736	01/17/21 06:22	MB	TAL DEN
Total/NA	Prep	3510C			345994	12/19/20 10:50	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346132	12/21/20 22:20	ADB	TAL SEA
Dissolved	Prep	3005A			346260	12/22/20 19:38	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346419	12/23/20 16:31	FCW	TAL SEA
Total/NA	Analysis	300.0		10	345758	12/16/20 14:40	AAC	TAL SEA
Total/NA	Analysis	300.0		100	345758	12/16/20 14:51	AAC	TAL SEA
Total/NA	Analysis	350.1		1000	520807	12/16/20 16:17	BWH	TAL DEN
Total/NA	Analysis	353.2		100	520765	12/16/20 20:07	SVC	TAL DEN

Client Sample ID: BH2-3-W-12

Lab Sample ID: 580-99709-3

Date Collected: 12/07/20 14:23

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345516	12/14/20 18:52	TL1	TAL SEA

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-3-W-12

Lab Sample ID: 580-99709-3

Date Collected: 12/07/20 14:23

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL	DL	10	345650	12/15/20 14:41	TL1	TAL SEA
Total/NA	Analysis	8260C LL	DL	100	345810	12/17/20 13:05	JSM	TAL SEA
Total/NA	Analysis	8260C LL	DL2	1000	346004	12/19/20 16:50	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345553	12/14/20 17:13	CJ	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		10	346307	12/23/20 09:57	TL1	TAL SEA
Total/NA	Prep	8151A			520347	12/14/20 11:47	DFB1	TAL DEN
Total/NA	Analysis	8151A		50	523295	01/13/21 05:55	MB	TAL DEN
Total/NA	Prep	3510C			345994	12/19/20 10:50	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346132	12/21/20 22:40	ADB	TAL SEA
Dissolved	Prep	3005A			346260	12/22/20 19:38	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346419	12/23/20 16:35	FCW	TAL SEA
Total/NA	Analysis	300.0		10	345758	12/16/20 15:03	AAC	TAL SEA
Total/NA	Analysis	300.0		100	345758	12/16/20 15:15	AAC	TAL SEA
Total/NA	Analysis	350.1		10	520807	12/16/20 13:30	BWH	TAL DEN
Total/NA	Analysis	353.2		100	520765	12/16/20 20:09	SVC	TAL DEN

Client Sample ID: BH2-4-W-12

Lab Sample ID: 580-99709-4

Date Collected: 12/07/20 15:28

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345516	12/14/20 19:17	TL1	TAL SEA
Total/NA	Analysis	8260C LL	DL	5	345650	12/15/20 15:06	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345553	12/14/20 17:37	CJ	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 15:49	T1W	TAL SEA
Total/NA	Prep	8151A			520347	12/14/20 11:47	DFB1	TAL DEN
Total/NA	Analysis	8151A		10	523041	01/11/21 06:09	MB	TAL DEN
Total/NA	Prep	3510C			345994	12/19/20 10:50	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346132	12/21/20 23:00	ADB	TAL SEA
Dissolved	Prep	3005A			346260	12/22/20 19:38	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346419	12/23/20 16:39	FCW	TAL SEA
Total/NA	Analysis	300.0		10	346182	12/21/20 13:37	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 15:42	BWH	TAL DEN
Total/NA	Analysis	353.2		10	521183	12/20/20 17:48	SVC	TAL DEN

Client Sample ID: BH2-5-W-12

Lab Sample ID: 580-99709-5

Date Collected: 12/08/20 12:20

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345471	12/14/20 04:42	K1G	TAL SEA

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-5-W-12

Lab Sample ID: 580-99709-5

Date Collected: 12/08/20 12:20

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	345553	12/14/20 20:28	CJ	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 16:05	T1W	TAL SEA
Total/NA	Prep	8151A			520347	12/14/20 11:47	DFB1	TAL DEN
Total/NA	Analysis	8151A		10	523041	01/11/21 06:32	MB	TAL DEN
Total/NA	Prep	3510C			346190	12/22/20 11:38	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346416	12/23/20 21:17	TL1	TAL SEA
Dissolved	Prep	3005A			346260	12/22/20 19:38	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346419	12/23/20 16:42	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346182	12/21/20 13:48	AAC	TAL SEA
Total/NA	Analysis	300.0		10	346182	12/21/20 14:00	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 15:44	BWH	TAL DEN
Total/NA	Analysis	353.2		2	520765	12/16/20 20:35	SVC	TAL DEN

Client Sample ID: BH2-6-W-12

Lab Sample ID: 580-99709-6

Date Collected: 12/08/20 13:18

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345471	12/14/20 05:07	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345553	12/14/20 20:52	CJ	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 16:37	T1W	TAL SEA
Total/NA	Prep	8151A			520347	12/14/20 11:47	DFB1	TAL DEN
Total/NA	Analysis	8151A		10	523041	01/11/21 06:55	MB	TAL DEN
Total/NA	Prep	3510C			346190	12/22/20 11:38	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346416	12/23/20 21:37	TL1	TAL SEA
Dissolved	Prep	3005A			346260	12/22/20 19:38	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346419	12/23/20 16:46	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346182	12/21/20 14:12	AAC	TAL SEA
Total/NA	Analysis	300.0		10	346182	12/21/20 14:23	AAC	TAL SEA
Total/NA	Analysis	350.1		1	520807	12/16/20 13:48	BWH	TAL DEN
Total/NA	Analysis	353.2		5	520765	12/16/20 20:37	SVC	TAL DEN

Client Sample ID: BH2-8-W-12

Lab Sample ID: 580-99709-7

Date Collected: 12/08/20 08:24

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345471	12/14/20 05:32	K1G	TAL SEA
Total/NA	Analysis	8260C LL	DL	10	345650	12/15/20 15:30	TL1	TAL SEA
Total/NA	Analysis	8260C LL	DL	100	345810	12/17/20 13:30	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345678	12/15/20 16:22	JSM	TAL SEA

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Client Sample ID: BH2-8-W-12

Lab Sample ID: 580-99709-7

Date Collected: 12/08/20 08:24

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 16:53	T1W	TAL SEA
Total/NA	Prep	8151A			520347	12/14/20 11:47	DFB1	TAL DEN
Total/NA	Analysis	8151A		20	523041	01/11/21 07:18	MB	TAL DEN
Total/NA	Prep	3510C			346190	12/22/20 11:38	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346416	12/23/20 21:57	TL1	TAL SEA
Dissolved	Prep	3005A			346260	12/22/20 19:38	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346419	12/23/20 16:50	FCW	TAL SEA
Total/NA	Analysis	300.0		10	346182	12/21/20 14:47	AAC	TAL SEA
Total/NA	Analysis	350.1		1000	520807	12/16/20 16:19	BWH	TAL DEN
Total/NA	Analysis	353.2		100	521183	12/20/20 17:50	SVC	TAL DEN

Client Sample ID: BH2-8-W-20

Lab Sample ID: 580-99709-8

Date Collected: 12/08/20 09:24

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345471	12/14/20 05:57	K1G	TAL SEA
Total/NA	Analysis	8260C LL	DL	10	345650	12/15/20 15:55	TL1	TAL SEA
Total/NA	Analysis	8260C LL	DL	100	345810	12/17/20 13:54	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345678	12/15/20 16:46	JSM	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 17:09	T1W	TAL SEA
Total/NA	Prep	8151A			520347	12/14/20 11:47	DFB1	TAL DEN
Total/NA	Analysis	8151A		20	523736	01/17/21 06:47	MB	TAL DEN
Total/NA	Prep	3510C			346190	12/22/20 11:38	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346416	12/23/20 22:17	TL1	TAL SEA
Dissolved	Prep	3005A			346260	12/22/20 19:38	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346419	12/23/20 16:53	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346182	12/21/20 14:59	AAC	TAL SEA
Total/NA	Analysis	300.0		10	346182	12/21/20 15:10	AAC	TAL SEA
Total/NA	Analysis	350.1		100	520807	12/16/20 15:45	BWH	TAL DEN
Total/NA	Analysis	353.2		10	521183	12/20/20 17:52	SVC	TAL DEN

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Laboratory: Eurofins TestAmerica, Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2901	11-05-21

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
300.0		Water	Chloride
300.0		Water	Sulfate
6020B	3005A	Water	Arsenic
6020B	3005A	Water	Barium
6020B	3005A	Water	Cadmium
6020B	3005A	Water	Chromium
6020B	3005A	Water	Lead
6020B	3005A	Water	Selenium
6020B	3005A	Water	Silver
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	4-Isopropyltoluene
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon tetrachloride
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chlorobromomethane
8260C LL		Water	Chlorodibromomethane
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene

Accreditation/Certification Summary

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Laboratory: Eurofins TestAmerica, Seattle (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2901	11-05-21
8260C LL	Water	Dibromomethane	
8260C LL	Water	Dichlorobromomethane	
8260C LL	Water	Dichlorodifluoromethane	
8260C LL	Water	Ethylbenzene	
8260C LL	Water	Hexachlorobutadiene	
8260C LL	Water	Isopropylbenzene	
8260C LL	Water	Methyl tert-butyl ether	
8260C LL	Water	Methylene Chloride	
8260C LL	Water	m-Xylene & p-Xylene	
8260C LL	Water	Naphthalene	
8260C LL	Water	n-Butylbenzene	
8260C LL	Water	N-Propylbenzene	
8260C LL	Water	o-Xylene	
8260C LL	Water	sec-Butylbenzene	
8260C LL	Water	Styrene	
8260C LL	Water	tert-Butylbenzene	
8260C LL	Water	Tetrachloroethene	
8260C LL	Water	Toluene	
8260C LL	Water	trans-1,2-Dichloroethene	
8260C LL	Water	trans-1,3-Dichloropropene	
8260C LL	Water	Trichloroethene	
8260C LL	Water	Trichlorofluoromethane	
8260C LL	Water	Vinyl chloride	
NWTPH-Dx	3510C	Water	#2 Diesel (C10-C24)
NWTPH-Dx	3510C	Water	Motor Oil (>C24-C36)
NWTPH-Gx		Water	Gasoline

Accreditation/Certification Summary

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-08-21
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-21 *
Connecticut	State	PH-0686	09-30-20 *
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Maine	State	2019011 (231)	03-03-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-21
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-21
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-21 *
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	12-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-21 *
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-18-00099	03-26-21
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	02-28-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99709-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-99709-1	BH2-1-W-12	Water	12/07/20 11:42	12/11/20 11:30	
580-99709-2	BH2-2-W-12	Water	12/07/20 13:25	12/11/20 11:30	
580-99709-3	BH2-3-W-12	Water	12/07/20 14:23	12/11/20 11:30	
580-99709-4	BH2-4-W-12	Water	12/07/20 15:28	12/11/20 11:30	
580-99709-5	BH2-5-W-12	Water	12/08/20 12:20	12/11/20 11:30	
580-99709-6	BH2-6-W-12	Water	12/08/20 13:18	12/11/20 11:30	
580-99709-7	BH2-8-W-12	Water	12/08/20 08:24	12/11/20 11:30	
580-99709-8	BH2-8-W-20	Water	12/08/20 09:24	12/11/20 11:30	

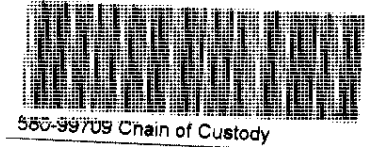
Eurofins TestAmerica, Seattle

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 253-922-5047

Chain of Custody Record

eurofins Environment Testing America

Client Information		Sampler: Alyssa Veatch		Lab PM: Walker, Elaine M		Carrier Tracking No(s):		COC No: 580-41046-13156.4												
Client Contact: Alyssa Veatch		Phone: 208-473-0074		E-Mail: m.elaine.walker@eurofinset.com		State of Origin:		Page: Page 4 of 5												
Company: HDR Inc		PWSID:		Analysis Requested						Job #:										
Address: 412 E. Parkcenter Blvd. Suite 100		Due Date Requested:		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>8151A - Herbicide (Aqueous)</td> <td>350.1, 353.2</td> <td>300.0_280 - (MOD) Local Method</td> <td>6020B - RCRA 8 Metals w/o Mercury</td> <td>NWTPH_Dx - Northwest - DRO/RO</td> <td>8260C_LL, NWTPH_Cx</td> <td>8011 - (MOD) EDB and DBCP Only</td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A - Herbicide (Aqueous)	350.1, 353.2	300.0_280 - (MOD) Local Method	6020B - RCRA 8 Metals w/o Mercury	NWTPH_Dx - Northwest - DRO/RO	8260C_LL, NWTPH_Cx	8011 - (MOD) EDB and DBCP Only	Preservation Codes:	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A - Herbicide (Aqueous)	350.1, 353.2							300.0_280 - (MOD) Local Method	6020B - RCRA 8 Metals w/o Mercury	NWTPH_Dx - Northwest - DRO/RO	8260C_LL, NWTPH_Cx	8011 - (MOD) EDB and DBCP Only						
City: Boise		TAT Requested (days):								A - HCL		M - Hexane								
State, Zip: ID, 83706-6659		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								B - NaOH		N - None								
Phone: 208-387-7033(Tel)		PO #:								C - Zn Acetate		O - AsNaO2								
Email: alyssa.veatch@hdrinc.com		Purchase Order Requested		D - Nitric Acid		P - Na2O4S														
Project Name: Simplot - Sunnyside, WA- 2020		Project #: 58015890		E - NaHSO4		Q - Na2SO3														
Site:		SSOW#:		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/II, BT=Tissue, AA=Air)		Field Filtered Sample (Yes or No)		Total Number of containers		Special Instructions/Note:	
						Preservation Code:				N S N D A A R				* dissolved metals was field filtered	
BH2-1-W-12		12/7/2020		1142		G		Water		X X X X X X X X					
BH2-2-W-12		↓		1325		↓		Water		X X X X X X X X					
BH2-3-W-12		↓		1423		↓		Water		X X X X X X X X					
BH2-4-W-12		↓		1528		↓		Water		X X X X X X X X					
BH2-5-W-12		12/8/2020		1220		↓		Water		X X X X X X X X					
BH2-6-W-12		↓		1318		↓		Water		X X X X X X X X					
BH2-8-W-12		↓		0824		↓		Water		X X X X X X X X					
BH2-8-W-20		↓		0924		↓		Water		X X X X X X X X					
								Water							
								Water							
								Water							


Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 12/10/2020 0900		Company: HDR		Received by: <i>[Signature]</i>	
Relinquished by:		Date/Time:		Company:		Date/Time: 12-11-20 1130	
Relinquished by:		Date/Time:		Company:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Therm. ID: 1R8 Cor: 2.7 ° Unc: 2.9 °
Cooler Dsc: LB FedEx:
Packing: Bub UPS: Ground
Cust. Seal: Yes No Lab Cour: _____
Blue Ice, Wet, Dry, None Other: _____

Therm. ID: 1R8 Cor: 2.6 ° Unc: 2.8 °
Cooler Dsc: Bub FedEx:
Packing: Bub UPS: Ground
Cust. Seal: Yes No Lab Cour: _____
Blue Ice, Wet, Dry, None Other: _____

Therm. ID: 1R8 Cor: 3.7 ° Unc: 3.9 °
Cooler Dsc: LB FedEx:
Packing: Bub UPS: Ground
Cust. Seal: Yes No Lab Cour: _____
Blue Ice, Wet, Dry, None Other: _____

Therm. ID: 1R8 Cor: 3.3 ° Unc: 2.5 °
Cooler Dsc: LB FedEx:
Packing: Bub UPS: Ground
Cust. Seal: Yes No Lab Cour: _____
Blue Ice, Wet, Dry, None Other: _____



Chain of Custody Record



Client Information (Sub Contract Lab) Client Contact: Walker, Elaine M Shipping/Receiving: m.elaine.walker@eurofinset.com Company: State Program - California		Lab PM: Walker, Elaine M E-Mail: m.elaine.walker@eurofinset.com Accreditations Required (See note): State Program - California		Carrier Tracking No(s): 580-84904-1 State of Origin: Washington Page: Page 1 of 1 Job #: 580-99709-1		GOC No: 580-84904-1 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 Other:	
Due Date Requested: 12/24/2020 TAT Requested (days):		Analysis Requested		Total Number of Containers		Special Instructions/Note:	
Address: 4955 Yarrow Street, City: Arvada State, Zip: CO, 80002 Phone: 303-736-0100(Tel) 303-431-7171(Fax) Email:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> 8151/8151A AP Herbicide (Aqueous) <input checked="" type="checkbox"/> 353.2 Pres (MOD) Local Method <input checked="" type="checkbox"/> 350.1 (MOD) Local Method <input checked="" type="checkbox"/>		M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - H2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Project #: 58015890 SSO#:#		Matrix (W=water, S=solid, O=organic, BT=Tissue, A=Air)		Sample Type (C=Comp, G=grab)		Preservation Code:	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Matrix	
BH2-1-W-12 (580-99709-1)	12/7/20	11:42 Pacific	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X
BH2-2-W-12 (580-99709-2)	12/7/20	13:25 Pacific	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X
BH2-3-W-12 (580-99709-3)	12/7/20	14:23 Pacific	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X
BH2-4-W-12 (580-99709-4)	12/7/20	15:28 Pacific	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X
BH2-5-W-12 (580-99709-5)	12/8/20	12:20 Pacific	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X
BH2-6-W-12 (580-99709-6)	12/8/20	13:18 Pacific	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X
BH2-8-W-12 (580-99709-7)	12/8/20	08:24 Pacific	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X
BH2-8-W-20 (580-99709-8)	12/8/20	09:24 Pacific	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X

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/test/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
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: *Ken Kresler* Date/Time: 12/17/20 1835 Company: *ETNA*
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No

Special Instructions/QC Requirements:
 Return To Client Disposal By Lab Archive For _____ Months
 Method of Shipment: _____
 Received by: *ETNA* Date/Time: 12/12/20 0930 Company: *ETNA*
 Received by: _____ Date/Time: _____ Company: _____
 Received by: _____ Date/Time: _____ Company: _____
 Cooler Temperature(s) °C and Other Remarks: 0.2, 0.1, 12.5, 9, 10, 2



Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 580-99709-1

Login Number: 99709

List Source: Eurofins TestAmerica, Seattle

List Number: 1

Creator: Vallelunga, Diana L

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.	True	
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: 580-99709-1

Login Number: 99709
List Number: 2
Creator: Pottruff, Reed W

List Source: Eurofins TestAmerica, Denver
List Creation: 12/12/20 01:08 PM

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?	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	



ANALYTICAL REPORT

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-99941-1
Client Project/Site: Simplot - Sunnyside, WA- 2020

For:
HDR Inc
412 E. Parkcenter Blvd.
Suite 100
Boise, Idaho 83706-6659

Attn: Dr. Michael Murray

M. Elaine Walker

Authorized for release by:
1/22/2021 4:49:58 PM

Elaine Walker, Project Manager II
(253)248-4972
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Job ID: 580-99941-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-99941-1

Receipt

Six samples were received on 12/21/2020 9:05 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.8° C, 2.3° C, 3.4° C, 3.7° C and 4.5° C.

Receipt Exceptions

The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of 7: BH2-15-W-15 (580-99941-1), BH2-15-W-15 (580-99941-1[MSJ]) and BH2-15-W-15 (580-99941-1[MSD]). All of the hydrochloric acid(HCl) preserved 250mL ambers were preserved to the appropriate pH in the laboratory using HCl from reagent # 2723688.

The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of 7: BH2-13-W-16 (580-99941-4). The nitric poly was preserved to the appropriate pH in the laboratory with nitric acid from reagent #2597375 at 11:30 on 12/21/20.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The sampling times have been omitted. The samples are logged in per container labels.

GC/MS VOA

Method 8260C LL: The method blank for analytical batch 580-346723 contained multiple analytes above the method detection limit. The target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260C LL: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346717 recovered outside control limits for the following analytes: Chloroethane, Chloromethane, Dichlorodifluoromethane and Trichlorofluoromethane. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-346717 recovered outside control limits for the following analytes: 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloropropene, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,2-Dichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Benzene, Bromobenzene, Chlorobenzene, Chlorodibromomethane, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromomethane, Ethylbenzene, Isopropylbenzene, m-Xylene & p-Xylene, n-Butylbenzene, o-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, trans-1,3-Dichloropropene and Trichlorofluoromethane.

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346723 recovered outside control limits for the following analyte(s): Trichlorofluoromethane. Trichlorofluoromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 580-346723 were outside control limits for multiple analytes. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits, with the exception of Trichlorofluoromethane, which is identified as a poor performer..

Methods 8260C LL, 8260D: Reanalysis of the following sample was performed outside of the analytical holding time due to new calibration needing to be performed on instrument, for Vinyl chloride only: TB-2 (580-99941-6).

Method 8260C LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: BH2-13-W-16 (580-99941-4). Elevated reporting limits (RLs) are provided.

Method 8260C LL: Reanalysis of the following sample was performed outside of the analytical holding time due to new initial calibration

Case Narrative

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Job ID: 580-99941-1 (Continued)

Laboratory: Eurofins TestAmerica, Seattle (Continued)

needing to be performed on instrument, for 1,2-Dichloroethane only: BH2-13-W-16 (580-99941-4).

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

GC VOA

Method NWTPH-Gx: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: BH2-15-W-15 (580-99941-1) and BH2-15-W-15 (580-99941-1[MSD]).

Method NWTPH-Gx: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-346304 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 NWTPH-Gx: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 580-346304 was outside control limits. Sample non-homogeneity is suspected.

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

GC Semi VOA

Method NWTPH-Dx: The method blank for preparation batch 580-346845 and analytical batch 580-346895 contained Motor Oil (>C24-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8151A: The following samples were diluted to bring the concentration of target analytes within the calibration range: BH2-15-W-15 (580-99941-1) and BH2-14-W-12 (580-99941-3). Elevated reporting limits (RLs) are provided. The samples were diluted due to the color of the extract. 8151 preparation batch 280-521645 and analytical batch 280-523928.

Method 8151A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-521645 and analytical batch 280-523928 recovered outside control limits for the following analytes: MCPA on front column but in control on back column. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. 8151, affected samples: BH2-15-W-15 (580-99941-1), BH2-19-W-5 (580-99941-2) and BH2-14-W-12 (580-99941-3)

Method 8151A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-521645 and analytical batch 280-523928 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8151A: The following samples were diluted to bring the concentration of target analytes within the calibration range: BH2-13-W-16 (580-99941-4) and BH2-12-W-16 (580-99941-5). Elevated reporting limits (RLs) are provided. The samples were diluted due to the color of the extract.

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 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-346314 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 350.1: The matrix spike (MS) recoveries for analytical batch 280-522691 were outside control limits. Non-homogeneity is 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.

Definitions/Glossary

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

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

Eurofins TestAmerica, Seattle

Definitions/Glossary

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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 Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-15-W-15

Lab Sample ID: 580-99941-1

Date Collected: 12/16/20 10:34

Matrix: Water

Date Received: 12/21/20 09:05

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	F1 F2	0.30	0.038 ug/L			12/29/20 16:00	1
1,1,1-Trichloroethane	ND	F1 F2	0.20	0.025 ug/L			12/29/20 16:00	1
1,1,2,2-Tetrachloroethane	ND	F1 F2	0.20	0.056 ug/L			12/29/20 16:00	1
1,1,2-Trichloroethane	ND	F1 F2	0.20	0.070 ug/L			12/29/20 16:00	1
1,1-Dichloroethane	ND	F1 F2	0.20	0.025 ug/L			12/29/20 16:00	1
1,1-Dichloroethene	ND	F1 F2	0.20	0.035 ug/L			12/29/20 16:00	1
1,1-Dichloropropene	ND	F1 F2	0.20	0.036 ug/L			12/29/20 16:00	1
1,2,3-Trichlorobenzene	ND	F1 F2	0.50	0.15 ug/L			12/29/20 16:00	1
1,2,3-Trichloropropane	ND	F1 F2	0.20	0.050 ug/L			12/29/20 16:00	1
1,2,4-Trichlorobenzene	ND	F1 F2	0.50	0.17 ug/L			12/29/20 16:00	1
1,2,4-Trimethylbenzene	0.11	J F1 B F2	0.30	0.072 ug/L			12/29/20 16:00	1
1,2-Dibromo-3-Chloropropane	ND	F1 F2	2.0	0.44 ug/L			12/29/20 16:00	1
1,2-Dichlorobenzene	ND	F1 F2	0.30	0.038 ug/L			12/29/20 16:00	1
1,2-Dichloroethane	0.63	F1 F2	0.20	0.043 ug/L			12/29/20 16:00	1
1,2-Dichloropropane	0.082	J F1 F2	0.20	0.060 ug/L			12/29/20 16:00	1
1,3,5-Trimethylbenzene	ND	F1 F2	0.50	0.15 ug/L			12/29/20 16:00	1
1,3-Dichlorobenzene	0.066	J F1 B F2	0.30	0.050 ug/L			12/29/20 16:00	1
1,3-Dichloropropane	ND	F1 F2	0.20	0.025 ug/L			12/29/20 16:00	1
1,4-Dichlorobenzene	ND	F1 F2	0.30	0.050 ug/L			12/29/20 16:00	1
2,2-Dichloropropane	ND	F1 F2	0.50	0.060 ug/L			12/29/20 16:00	1
2-Chlorotoluene	ND	F1 F2	0.50	0.12 ug/L			12/29/20 16:00	1
4-Chlorotoluene	ND	F1 F2	0.30	0.050 ug/L			12/29/20 16:00	1
4-Isopropyltoluene	ND	F1 F2	0.50	0.15 ug/L			12/29/20 16:00	1
Benzene	ND	F1 F2	0.20	0.030 ug/L			12/29/20 16:00	1
Bromobenzene	ND	F1 F2	0.20	0.038 ug/L			12/29/20 16:00	1
Bromoform	ND	F1 F2	0.50	0.16 ug/L			12/29/20 16:00	1
Bromomethane	ND	F1 F2	0.50	0.062 ug/L			12/29/20 16:00	1
Carbon tetrachloride	ND	F1 F2	0.20	0.025 ug/L			12/29/20 16:00	1
Chlorobenzene	ND	F1 F2	0.20	0.025 ug/L			12/29/20 16:00	1
Chlorobromomethane	ND	F1 F2	0.20	0.025 ug/L			12/29/20 16:00	1
Chlorodibromomethane	ND	F1 F2	0.20	0.055 ug/L			12/29/20 16:00	1
Chloroethane	ND	F1 F2	0.50	0.096 ug/L			12/29/20 16:00	1
Chloroform	ND	F1 F2	0.20	0.030 ug/L			12/29/20 16:00	1
Chloromethane	ND	F1 F2	0.50	0.068 ug/L			12/29/20 16:00	1
cis-1,2-Dichloroethene	ND	F1 F2	0.20	0.055 ug/L			12/29/20 16:00	1
cis-1,3-Dichloropropene	ND	F1 F2	0.20	0.090 ug/L			12/29/20 16:00	1
Dibromomethane	ND	F1 F2	0.20	0.062 ug/L			12/29/20 16:00	1
Dichlorobromomethane	ND	F1 F2	0.20	0.060 ug/L			12/29/20 16:00	1
Dichlorodifluoromethane	ND	F1 F2	0.40	0.13 ug/L			12/29/20 16:00	1
Ethylbenzene	ND	F1 F2	0.20	0.030 ug/L			12/29/20 16:00	1
Hexachlorobutadiene	ND	F1 F2	0.50	0.067 ug/L			12/29/20 16:00	1
Isopropylbenzene	ND	F1 F2	1.0	0.19 ug/L			12/29/20 16:00	1
Methyl tert-butyl ether	ND	F1 F2	0.30	0.070 ug/L			12/29/20 16:00	1
Methylene Chloride	ND	F1 F2	5.0	1.2 ug/L			12/29/20 16:00	1
m-Xylene & p-Xylene	0.20	J F1 B F2	0.50	0.12 ug/L			12/29/20 16:00	1
Naphthalene	0.61	J F1 B F2	1.0	0.22 ug/L			12/29/20 16:00	1
n-Butylbenzene	0.29	J F1 B F2	1.0	0.23 ug/L			12/29/20 16:00	1
N-Propylbenzene	ND	F1 F2	0.30	0.091 ug/L			12/29/20 16:00	1
o-Xylene	0.20	J F1 B F2	0.50	0.15 ug/L			12/29/20 16:00	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-15-W-15

Lab Sample ID: 580-99941-1

Date Collected: 12/16/20 10:34

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	F1 F2	1.0	0.17 ug/L			12/29/20 16:00	1
Styrene	ND	F1 F2	1.0	0.19 ug/L			12/29/20 16:00	1
tert-Butylbenzene	ND	F1 F2	0.50	0.26 ug/L			12/29/20 16:00	1
Tetrachloroethene	ND	F1 F2	0.50	0.084 ug/L			12/29/20 16:00	1
Toluene	ND	F1 F2	0.20	0.050 ug/L			12/29/20 16:00	1
trans-1,2-Dichloroethene	ND	F1 F2	0.20	0.033 ug/L			12/29/20 16:00	1
trans-1,3-Dichloropropene	ND	F1 F2	0.20	0.092 ug/L			12/29/20 16:00	1
Trichloroethene	ND	F1 F2	0.20	0.066 ug/L			12/29/20 16:00	1
Trichlorofluoromethane	ND	F1 *- *1 F2	0.50	0.043 ug/L			12/29/20 16:00	1
Vinyl chloride	ND	F1 F2	0.020	0.013 ug/L			12/29/20 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		80 - 120		12/29/20 16:00	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/29/20 16:00	1
Dibromofluoromethane (Surr)	99		80 - 120		12/29/20 16:00	1
Toluene-d8 (Surr)	98		80 - 120		12/29/20 16:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	F1 F2	0.25	0.10 mg/L			12/23/20 04:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		50 - 150		12/23/20 04:03	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0021 ug/L		12/22/20 15:38	12/24/20 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	107		60 - 140	12/22/20 15:38	12/24/20 12:19	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		2.3	1.0 ug/L		12/23/20 18:00	01/20/21 13:50	2
2,4-D	ND		9.0	1.2 ug/L		12/23/20 18:00	01/20/21 13:50	2
2,4-DB	ND		9.0	1.7 ug/L		12/23/20 18:00	01/20/21 13:50	2
Dalapon	ND		4.5	2.0 ug/L		12/23/20 18:00	01/20/21 13:50	2
Dicamba	ND		4.5	0.98 ug/L		12/23/20 18:00	01/20/21 13:50	2
Dichlorprop	ND	F1	9.0	1.5 ug/L		12/23/20 18:00	01/20/21 13:50	2
Dinoseb	ND	F1	2.3	1.0 ug/L		12/23/20 18:00	01/20/21 13:50	2
MCPA	ND	*+	900	110 ug/L		12/23/20 18:00	01/20/21 13:50	2
MCPP	ND	F1	900	74 ug/L		12/23/20 18:00	01/20/21 13:50	2
Picloram	ND		1.1	0.54 ug/L		12/23/20 18:00	01/20/21 13:50	2
Silvex (2,4,5-TP)	ND		2.3	0.38 ug/L		12/23/20 18:00	01/20/21 13:50	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	96	D	39 - 135	12/23/20 18:00	01/20/21 13:50	2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.089	J	0.12	0.070 mg/L		12/30/20 13:07	12/31/20 04:59	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-15-W-15

Lab Sample ID: 580-99941-1

Date Collected: 12/16/20 10:34

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	0.14	J B	0.37	0.10 mg/L		12/30/20 13:07	12/31/20 04:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	60		50 - 150	12/30/20 13:07	12/31/20 04:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.084		0.0050	0.0010 mg/L		12/28/20 17:52	12/29/20 16:26	5
Barium	0.063		0.0060	0.0011 mg/L		12/28/20 17:52	12/29/20 16:26	5
Cadmium	ND		0.0040	0.00050 mg/L		12/28/20 17:52	12/29/20 16:26	5
Chromium	0.0039	J	0.0040	0.00087 mg/L		12/28/20 17:52	12/29/20 16:26	5
Lead	0.0023	J	0.0040	0.0010 mg/L		12/28/20 17:52	12/29/20 16:26	5
Selenium	0.013	J	0.040	0.010 mg/L		12/28/20 17:52	12/29/20 16:26	5
Silver	ND		0.0020	0.00028 mg/L		12/28/20 17:52	12/29/20 16:26	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200	F1	9.0	1.4 mg/L			12/22/20 18:34	10
Sulfate	370		12	2.6 mg/L			12/22/20 18:34	10
Ammonia as N	1.2	F1	1.0	0.22 mg/L			01/05/21 14:10	10
Nitrate Nitrite as N	12		0.50	0.095 mg/L			01/06/21 19:26	5

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-19-W-5

Lab Sample ID: 580-99941-2

Date Collected: 12/16/20 10:53

Matrix: Water

Date Received: 12/21/20 09:05

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/29/20 17:14	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/29/20 17:14	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/29/20 17:14	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/29/20 17:14	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/29/20 17:14	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/29/20 17:14	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/29/20 17:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/29/20 17:14	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/29/20 17:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/29/20 17:14	1
1,2,4-Trimethylbenzene	0.11	J B	0.30	0.072 ug/L			12/29/20 17:14	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/29/20 17:14	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/29/20 17:14	1
1,2-Dichloroethane	0.044	J	0.20	0.043 ug/L			12/29/20 17:14	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/29/20 17:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/29/20 17:14	1
1,3-Dichlorobenzene	0.059	J B	0.30	0.050 ug/L			12/29/20 17:14	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/29/20 17:14	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/29/20 17:14	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/29/20 17:14	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/29/20 17:14	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/29/20 17:14	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/29/20 17:14	1
Benzene	ND		0.20	0.030 ug/L			12/29/20 17:14	1
Bromobenzene	ND		0.20	0.038 ug/L			12/29/20 17:14	1
Bromoform	ND		0.50	0.16 ug/L			12/29/20 17:14	1
Bromomethane	ND		0.50	0.062 ug/L			12/29/20 17:14	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/29/20 17:14	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/29/20 17:14	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/29/20 17:14	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/29/20 17:14	1
Chloroethane	ND		0.50	0.096 ug/L			12/29/20 17:14	1
Chloroform	0.18	J	0.20	0.030 ug/L			12/29/20 17:14	1
Chloromethane	ND		0.50	0.068 ug/L			12/29/20 17:14	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/29/20 17:14	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/29/20 17:14	1
Dibromomethane	ND		0.20	0.062 ug/L			12/29/20 17:14	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/29/20 17:14	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/29/20 17:14	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/29/20 17:14	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/29/20 17:14	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/29/20 17:14	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/29/20 17:14	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/29/20 17:14	1
m-Xylene & p-Xylene	0.20	J B	0.50	0.12 ug/L			12/29/20 17:14	1
Naphthalene	0.64	J B	1.0	0.22 ug/L			12/29/20 17:14	1
n-Butylbenzene	0.31	J B	1.0	0.23 ug/L			12/29/20 17:14	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/29/20 17:14	1
o-Xylene	0.20	J B	0.50	0.15 ug/L			12/29/20 17:14	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-19-W-5

Lab Sample ID: 580-99941-2

Date Collected: 12/16/20 10:53

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/29/20 17:14	1
Styrene	ND		1.0	0.19 ug/L			12/29/20 17:14	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/29/20 17:14	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/29/20 17:14	1
Toluene	0.063	J	0.20	0.050 ug/L			12/29/20 17:14	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/29/20 17:14	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/29/20 17:14	1
Trichloroethene	ND		0.20	0.066 ug/L			12/29/20 17:14	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/29/20 17:14	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/29/20 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		12/29/20 17:14	1
4-Bromofluorobenzene (Surr)	107		80 - 120		12/29/20 17:14	1
Dibromofluoromethane (Surr)	99		80 - 120		12/29/20 17:14	1
Toluene-d8 (Surr)	98		80 - 120		12/29/20 17:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/23/20 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		50 - 150		12/23/20 05:16	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/24/20 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	109		60 - 140	12/22/20 15:38	12/24/20 13:06	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.99	0.45 ug/L		12/23/20 18:00	01/20/21 15:06	1
2,4-D	ND		4.0	0.52 ug/L		12/23/20 18:00	01/20/21 15:06	1
2,4-DB	ND		4.0	0.74 ug/L		12/23/20 18:00	01/20/21 15:06	1
Dalapon	ND		2.0	0.90 ug/L		12/23/20 18:00	01/20/21 15:06	1
Dicamba	ND		2.0	0.43 ug/L		12/23/20 18:00	01/20/21 15:06	1
Dichlorprop	ND		4.0	0.64 ug/L		12/23/20 18:00	01/20/21 15:06	1
Dinoseb	ND		0.99	0.45 ug/L		12/23/20 18:00	01/20/21 15:06	1
MCPA	ND	*+	400	47 ug/L		12/23/20 18:00	01/20/21 15:06	1
MCPA	ND		400	33 ug/L		12/23/20 18:00	01/20/21 15:06	1
Picloram	ND		0.50	0.24 ug/L		12/23/20 18:00	01/20/21 15:06	1
Silvex (2,4,5-TP)	ND		0.99	0.17 ug/L		12/23/20 18:00	01/20/21 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	88		39 - 135	12/23/20 18:00	01/20/21 15:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.11	0.068 mg/L		12/30/20 13:07	12/31/20 05:59	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-19-W-5

Lab Sample ID: 580-99941-2

Date Collected: 12/16/20 10:53

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	ND		0.36	0.10 mg/L		12/30/20 13:07	12/31/20 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	67		50 - 150	12/30/20 13:07	12/31/20 05:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0010 mg/L		12/28/20 17:52	12/29/20 17:06	5
Barium	ND		0.0060	0.0011 mg/L		12/28/20 17:52	12/29/20 17:06	5
Cadmium	ND		0.0040	0.00050 mg/L		12/28/20 17:52	12/29/20 17:06	5
Chromium	ND		0.0040	0.00087 mg/L		12/28/20 17:52	12/29/20 17:06	5
Lead	ND		0.0040	0.0010 mg/L		12/28/20 17:52	12/29/20 17:06	5
Selenium	ND		0.040	0.010 mg/L		12/28/20 17:52	12/29/20 17:06	5
Silver	ND		0.0020	0.00028 mg/L		12/28/20 17:52	12/29/20 17:06	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.54	J	0.90	0.14 mg/L			12/22/20 19:09	1
Sulfate	0.27	J	1.2	0.26 mg/L			12/22/20 19:09	1
Ammonia as N	ND		0.10	0.022 mg/L			01/05/21 14:04	1
Nitrate Nitrite as N	0.18		0.10	0.019 mg/L			01/05/21 19:13	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-14-W-12

Lab Sample ID: 580-99941-3

Date Collected: 12/16/20 11:31

Matrix: Water

Date Received: 12/21/20 09:05

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/29/20 17:39	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/29/20 17:39	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/29/20 17:39	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/29/20 17:39	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/29/20 17:39	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/29/20 17:39	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/29/20 17:39	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/29/20 17:39	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/29/20 17:39	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/29/20 17:39	1
1,2,4-Trimethylbenzene	0.12	J B	0.30	0.072 ug/L			12/29/20 17:39	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/29/20 17:39	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/29/20 17:39	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/29/20 17:39	1
1,2-Dichloropropane	0.30		0.20	0.060 ug/L			12/29/20 17:39	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/29/20 17:39	1
1,3-Dichlorobenzene	0.082	J B	0.30	0.050 ug/L			12/29/20 17:39	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/29/20 17:39	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/29/20 17:39	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/29/20 17:39	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/29/20 17:39	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/29/20 17:39	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/29/20 17:39	1
Benzene	ND		0.20	0.030 ug/L			12/29/20 17:39	1
Bromobenzene	ND		0.20	0.038 ug/L			12/29/20 17:39	1
Bromoform	ND		0.50	0.16 ug/L			12/29/20 17:39	1
Bromomethane	ND		0.50	0.062 ug/L			12/29/20 17:39	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/29/20 17:39	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/29/20 17:39	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/29/20 17:39	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/29/20 17:39	1
Chloroethane	ND		0.50	0.096 ug/L			12/29/20 17:39	1
Chloroform	0.23		0.20	0.030 ug/L			12/29/20 17:39	1
Chloromethane	ND		0.50	0.068 ug/L			12/29/20 17:39	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/29/20 17:39	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/29/20 17:39	1
Dibromomethane	ND		0.20	0.062 ug/L			12/29/20 17:39	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/29/20 17:39	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/29/20 17:39	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/29/20 17:39	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/29/20 17:39	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/29/20 17:39	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/29/20 17:39	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/29/20 17:39	1
m-Xylene & p-Xylene	0.24	J B	0.50	0.12 ug/L			12/29/20 17:39	1
Naphthalene	0.62	J B	1.0	0.22 ug/L			12/29/20 17:39	1
n-Butylbenzene	0.30	J B	1.0	0.23 ug/L			12/29/20 17:39	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/29/20 17:39	1
o-Xylene	0.22	J B	0.50	0.15 ug/L			12/29/20 17:39	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-14-W-12

Lab Sample ID: 580-99941-3

Date Collected: 12/16/20 11:31

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/29/20 17:39	1
Styrene	ND		1.0	0.19 ug/L			12/29/20 17:39	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/29/20 17:39	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/29/20 17:39	1
Toluene	0.057	J	0.20	0.050 ug/L			12/29/20 17:39	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/29/20 17:39	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/29/20 17:39	1
Trichloroethene	ND		0.20	0.066 ug/L			12/29/20 17:39	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/29/20 17:39	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/29/20 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		12/29/20 17:39	1
4-Bromofluorobenzene (Surr)	107		80 - 120		12/29/20 17:39	1
Dibromofluoromethane (Surr)	99		80 - 120		12/29/20 17:39	1
Toluene-d8 (Surr)	97		80 - 120		12/29/20 17:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/23/20 05:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		50 - 150		12/23/20 05:40	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/24/20 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	108		60 - 140	12/22/20 15:38	12/24/20 13:23	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		2.2	0.99 ug/L		12/23/20 18:00	01/20/21 15:31	2
2,4-D	ND		8.7	1.1 ug/L		12/23/20 18:00	01/20/21 15:31	2
2,4-DB	ND		8.7	1.6 ug/L		12/23/20 18:00	01/20/21 15:31	2
Dalapon	ND		4.3	2.0 ug/L		12/23/20 18:00	01/20/21 15:31	2
Dicamba	ND		4.3	0.94 ug/L		12/23/20 18:00	01/20/21 15:31	2
Dichlorprop	ND		8.7	1.4 ug/L		12/23/20 18:00	01/20/21 15:31	2
Dinoseb	ND		2.2	0.98 ug/L		12/23/20 18:00	01/20/21 15:31	2
MCPA	ND	*+	870	100 ug/L		12/23/20 18:00	01/20/21 15:31	2
MCPP	ND		870	72 ug/L		12/23/20 18:00	01/20/21 15:31	2
Picloram	ND		1.1	0.52 ug/L		12/23/20 18:00	01/20/21 15:31	2
Silvex (2,4,5-TP)	ND		2.2	0.37 ug/L		12/23/20 18:00	01/20/21 15:31	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	122	D	39 - 135	12/23/20 18:00	01/20/21 15:31	2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.090	J	0.12	0.071 mg/L		12/30/20 13:07	12/31/20 06:19	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-14-W-12

Lab Sample ID: 580-99941-3

Date Collected: 12/16/20 11:31

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	ND		0.38	0.11 mg/L		12/30/20 13:07	12/31/20 06:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	73		50 - 150			12/30/20 13:07	12/31/20 06:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046		0.0050	0.0010 mg/L		12/28/20 17:52	12/29/20 17:10	5
Barium	0.040		0.0060	0.0011 mg/L		12/28/20 17:52	12/29/20 17:10	5
Cadmium	ND		0.0040	0.00050 mg/L		12/28/20 17:52	12/29/20 17:10	5
Chromium	ND		0.0040	0.00087 mg/L		12/28/20 17:52	12/29/20 17:10	5
Lead	ND		0.0040	0.0010 mg/L		12/28/20 17:52	12/29/20 17:10	5
Selenium	ND		0.040	0.010 mg/L		12/28/20 17:52	12/29/20 17:10	5
Silver	ND		0.0020	0.00028 mg/L		12/28/20 17:52	12/29/20 17:10	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71		0.90	0.14 mg/L			12/22/20 19:21	1
Sulfate	300		12	2.6 mg/L			12/22/20 19:32	10
Ammonia as N	63		10	2.2 mg/L			01/05/21 15:19	100
Nitrate Nitrite as N	70		2.5	0.48 mg/L			01/05/21 19:15	25

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-13-W-16

Lab Sample ID: 580-99941-4

Date Collected: 12/16/20 12:58

Matrix: Water

Date Received: 12/21/20 09:05

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/29/20 18:03	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/29/20 18:03	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/29/20 18:03	1
1,1,2-Trichloroethane	0.081	J	0.20	0.070 ug/L			12/29/20 18:03	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/29/20 18:03	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/29/20 18:03	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/29/20 18:03	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/29/20 18:03	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/29/20 18:03	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/29/20 18:03	1
1,2,4-Trimethylbenzene	9.3	B	0.30	0.072 ug/L			12/29/20 18:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/29/20 18:03	1
1,2-Dichlorobenzene	0.099	J	0.30	0.038 ug/L			12/29/20 18:03	1
1,2-Dichloropropane	6.3		0.20	0.060 ug/L			12/29/20 18:03	1
1,3,5-Trimethylbenzene	3.4		0.50	0.15 ug/L			12/29/20 18:03	1
1,3-Dichlorobenzene	0.080	J B	0.30	0.050 ug/L			12/29/20 18:03	1
1,3-Dichloropropane	0.044	J	0.20	0.025 ug/L			12/29/20 18:03	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/29/20 18:03	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/29/20 18:03	1
2-Chlorotoluene	0.64		0.50	0.12 ug/L			12/29/20 18:03	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/29/20 18:03	1
4-Isopropyltoluene	0.16	J	0.50	0.15 ug/L			12/29/20 18:03	1
Benzene	ND		0.20	0.030 ug/L			12/29/20 18:03	1
Bromobenzene	ND		0.20	0.038 ug/L			12/29/20 18:03	1
Bromoform	ND		0.50	0.16 ug/L			12/29/20 18:03	1
Bromomethane	ND		0.50	0.062 ug/L			12/29/20 18:03	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/29/20 18:03	1
Chlorobenzene	1.9		0.20	0.025 ug/L			12/29/20 18:03	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/29/20 18:03	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/29/20 18:03	1
Chloroethane	ND		0.50	0.096 ug/L			12/29/20 18:03	1
Chloroform	ND		0.20	0.030 ug/L			12/29/20 18:03	1
Chloromethane	0.083	J	0.50	0.068 ug/L			12/29/20 18:03	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/29/20 18:03	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/29/20 18:03	1
Dibromomethane	ND		0.20	0.062 ug/L			12/29/20 18:03	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/29/20 18:03	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/29/20 18:03	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/29/20 18:03	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/29/20 18:03	1
Isopropylbenzene	2.8		1.0	0.19 ug/L			12/29/20 18:03	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/29/20 18:03	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/29/20 18:03	1
m-Xylene & p-Xylene	6.1	B	0.50	0.12 ug/L			12/29/20 18:03	1
Naphthalene	11	B	1.0	0.22 ug/L			12/29/20 18:03	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/29/20 18:03	1
N-Propylbenzene	2.2		0.30	0.091 ug/L			12/29/20 18:03	1
o-Xylene	0.78	B	0.50	0.15 ug/L			12/29/20 18:03	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/29/20 18:03	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-13-W-16

Lab Sample ID: 580-99941-4

Date Collected: 12/16/20 12:58

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.19 ug/L			12/29/20 18:03	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/29/20 18:03	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/29/20 18:03	1
Toluene	0.25		0.20	0.050 ug/L			12/29/20 18:03	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/29/20 18:03	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/29/20 18:03	1
Trichloroethene	ND		0.20	0.066 ug/L			12/29/20 18:03	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/29/20 18:03	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/29/20 18:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		80 - 120				12/29/20 18:03	1
4-Bromofluorobenzene (Surr)	106		80 - 120				12/29/20 18:03	1
Dibromofluoromethane (Surr)	98		80 - 120				12/29/20 18:03	1
Toluene-d8 (Surr)	98		80 - 120				12/29/20 18:03	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	110	H	2.0	0.43 ug/L			01/04/21 17:42	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120				01/04/21 17:42	10
4-Bromofluorobenzene (Surr)	96		80 - 120				01/04/21 17:42	10
Dibromofluoromethane (Surr)	98		80 - 120				01/04/21 17:42	10
Toluene-d8 (Surr)	98		80 - 120				01/04/21 17:42	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	0.11	J	0.25	0.10 mg/L			12/23/20 06:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		50 - 150				12/23/20 06:29	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/24/20 14:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	109		60 - 140			12/22/20 15:38	12/24/20 14:43	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		5.4	2.5 ug/L		12/23/20 18:00	01/21/21 12:04	5
2,4-D	57		22	2.8 ug/L		12/23/20 18:00	01/21/21 12:04	5
2,4-DB	ND		22	4.0 ug/L		12/23/20 18:00	01/21/21 12:04	5
Dalapon	ND		11	4.9 ug/L		12/23/20 18:00	01/21/21 12:04	5
Dicamba	13		11	2.4 ug/L		12/23/20 18:00	01/21/21 12:04	5
Dichlorprop	ND		22	3.5 ug/L		12/23/20 18:00	01/21/21 12:04	5
Dinoseb	ND		5.4	2.4 ug/L		12/23/20 18:00	01/21/21 12:04	5
MCPA	ND		2200	260 ug/L		12/23/20 18:00	01/21/21 12:04	5
MCPP	ND		2200	180 ug/L		12/23/20 18:00	01/21/21 12:04	5

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-13-W-16

Lab Sample ID: 580-99941-4

Date Collected: 12/16/20 12:58

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND		2.7	1.3 ug/L		12/23/20 18:00	01/21/21 12:04	5
Silvex (2,4,5-TP)	ND		5.4	0.92 ug/L		12/23/20 18:00	01/21/21 12:04	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	159	D S1+	39 - 135			12/23/20 18:00	01/21/21 12:04	5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1.3		0.12	0.073 mg/L		12/30/20 13:07	12/31/20 15:07	1
Motor Oil (>C24-C36)	1.4	B	0.39	0.11 mg/L		12/30/20 13:07	12/31/20 15:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150			12/30/20 13:07	12/31/20 15:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.25		0.0050	0.0010 mg/L		12/28/20 17:52	12/29/20 17:13	5
Barium	0.041		0.0060	0.0011 mg/L		12/28/20 17:52	12/29/20 17:13	5
Cadmium	ND		0.0040	0.00050 mg/L		12/28/20 17:52	12/29/20 17:13	5
Chromium	0.00088	J	0.0040	0.00087 mg/L		12/28/20 17:52	12/29/20 17:13	5
Lead	ND		0.0040	0.0010 mg/L		12/28/20 17:52	12/29/20 17:13	5
Selenium	ND		0.040	0.010 mg/L		12/28/20 17:52	12/29/20 17:13	5
Silver	ND		0.0020	0.00028 mg/L		12/28/20 17:52	12/29/20 17:13	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		9.0	1.4 mg/L			12/22/20 19:56	10
Sulfate	880		12	2.6 mg/L			12/22/20 19:56	10
Ammonia as N	570		50	11 mg/L			01/05/21 15:47	500
Nitrate Nitrite as N	110	B	2.5	0.48 mg/L			01/05/21 19:27	25

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-12-W-16

Lab Sample ID: 580-99941-5

Date Collected: 12/16/20 14:16

Matrix: Water

Date Received: 12/21/20 09:05

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/29/20 18:28	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/29/20 18:28	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/29/20 18:28	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/29/20 18:28	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/29/20 18:28	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/29/20 18:28	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/29/20 18:28	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/29/20 18:28	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/29/20 18:28	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/29/20 18:28	1
1,2,4-Trimethylbenzene	0.15	J B	0.30	0.072 ug/L			12/29/20 18:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/29/20 18:28	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/29/20 18:28	1
1,2-Dichloroethane	3.0		0.20	0.043 ug/L			12/29/20 18:28	1
1,2-Dichloropropane	1.1		0.20	0.060 ug/L			12/29/20 18:28	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/29/20 18:28	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/29/20 18:28	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/29/20 18:28	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/29/20 18:28	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/29/20 18:28	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/29/20 18:28	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/29/20 18:28	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/29/20 18:28	1
Benzene	4.4		0.20	0.030 ug/L			12/29/20 18:28	1
Bromobenzene	ND		0.20	0.038 ug/L			12/29/20 18:28	1
Bromoform	ND		0.50	0.16 ug/L			12/29/20 18:28	1
Bromomethane	ND		0.50	0.062 ug/L			12/29/20 18:28	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/29/20 18:28	1
Chlorobenzene	0.24		0.20	0.025 ug/L			12/29/20 18:28	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/29/20 18:28	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/29/20 18:28	1
Chloroethane	ND		0.50	0.096 ug/L			12/29/20 18:28	1
Chloroform	ND		0.20	0.030 ug/L			12/29/20 18:28	1
Chloromethane	ND		0.50	0.068 ug/L			12/29/20 18:28	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/29/20 18:28	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/29/20 18:28	1
Dibromomethane	ND		0.20	0.062 ug/L			12/29/20 18:28	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/29/20 18:28	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/29/20 18:28	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/29/20 18:28	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/29/20 18:28	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/29/20 18:28	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/29/20 18:28	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/29/20 18:28	1
m-Xylene & p-Xylene	0.23	J B	0.50	0.12 ug/L			12/29/20 18:28	1
Naphthalene	0.78	J B	1.0	0.22 ug/L			12/29/20 18:28	1
n-Butylbenzene	0.33	J B	1.0	0.23 ug/L			12/29/20 18:28	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/29/20 18:28	1
o-Xylene	0.23	J B	0.50	0.15 ug/L			12/29/20 18:28	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-12-W-16

Lab Sample ID: 580-99941-5

Date Collected: 12/16/20 14:16

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.41	J	1.0	0.17 ug/L			12/29/20 18:28	1
Styrene	ND		1.0	0.19 ug/L			12/29/20 18:28	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/29/20 18:28	1
Tetrachloroethene	0.23	J	0.50	0.084 ug/L			12/29/20 18:28	1
Toluene	ND		0.20	0.050 ug/L			12/29/20 18:28	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/29/20 18:28	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/29/20 18:28	1
Trichloroethene	ND		0.20	0.066 ug/L			12/29/20 18:28	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/29/20 18:28	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/29/20 18:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120				12/29/20 18:28	1
4-Bromofluorobenzene (Surr)	105		80 - 120				12/29/20 18:28	1
Dibromofluoromethane (Surr)	98		80 - 120				12/29/20 18:28	1
Toluene-d8 (Surr)	97		80 - 120				12/29/20 18:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	0.18	J	0.25	0.10 mg/L			12/23/20 06:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		50 - 150				12/23/20 06:53	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/24/20 15:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	101		60 - 140			12/22/20 15:38	12/24/20 15:48	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		5.1	2.3 ug/L		12/23/20 18:00	01/21/21 12:31	5
2,4-D	ND		20	2.7 ug/L		12/23/20 18:00	01/21/21 12:31	5
2,4-DB	ND		20	3.8 ug/L		12/23/20 18:00	01/21/21 12:31	5
Dalapon	ND		10	4.6 ug/L		12/23/20 18:00	01/21/21 12:31	5
Dicamba	ND		10	2.2 ug/L		12/23/20 18:00	01/21/21 12:31	5
Dichlorprop	ND		20	3.3 ug/L		12/23/20 18:00	01/21/21 12:31	5
Dinoseb	ND		5.1	2.3 ug/L		12/23/20 18:00	01/21/21 12:31	5
MCPA	ND	*+	2000	240 ug/L		12/23/20 18:00	01/21/21 12:31	5
MCPP	ND		2000	170 ug/L		12/23/20 18:00	01/21/21 12:31	5
Picloram	ND		2.5	1.2 ug/L		12/23/20 18:00	01/21/21 12:31	5
Silvex (2,4,5-TP)	ND		5.1	0.86 ug/L		12/23/20 18:00	01/21/21 12:31	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	180	D S1+	39 - 135			12/23/20 18:00	01/21/21 12:31	5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.41		0.12	0.072 mg/L		12/30/20 13:07	12/31/20 06:59	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-12-W-16

Lab Sample ID: 580-99941-5

Date Collected: 12/16/20 14:16

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	0.29	J B	0.39	0.11 mg/L		12/30/20 13:07	12/31/20 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	79		50 - 150	12/30/20 13:07	12/31/20 06:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.0050	0.0010 mg/L		12/28/20 17:52	12/29/20 17:17	5
Barium	0.12		0.0060	0.0011 mg/L		12/28/20 17:52	12/29/20 17:17	5
Cadmium	ND		0.0040	0.00050 mg/L		12/28/20 17:52	12/29/20 17:17	5
Chromium	ND		0.0040	0.00087 mg/L		12/28/20 17:52	12/29/20 17:17	5
Lead	ND		0.0040	0.0010 mg/L		12/28/20 17:52	12/29/20 17:17	5
Selenium	ND		0.040	0.010 mg/L		12/28/20 17:52	12/29/20 17:17	5
Silver	ND		0.0020	0.00028 mg/L		12/28/20 17:52	12/29/20 17:17	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		9.0	1.4 mg/L			12/22/20 20:43	10
Sulfate	640		12	2.6 mg/L			12/22/20 20:43	10
Ammonia as N	16		0.10	0.022 mg/L			01/05/21 14:02	1
Nitrate Nitrite as N	330	B	5.0	0.95 mg/L			01/05/21 19:41	50

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: TB-2

Lab Sample ID: 580-99941-6

Date Collected: 12/16/20 15:10

Matrix: Water

Date Received: 12/21/20 09:05

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/29/20 14:25	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/29/20 14:25	1
1,1,2,2-Tetrachloroethane	ND	*1	0.20	0.056 ug/L			12/29/20 14:25	1
1,1,2-Trichloroethane	ND	*1	0.20	0.070 ug/L			12/29/20 14:25	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/29/20 14:25	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/29/20 14:25	1
1,1-Dichloropropene	ND	*1	0.20	0.036 ug/L			12/29/20 14:25	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/29/20 14:25	1
1,2,3-Trichloropropane	ND	*1	0.20	0.050 ug/L			12/29/20 14:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/29/20 14:25	1
1,2,4-Trimethylbenzene	ND	*1	0.30	0.072 ug/L			12/29/20 14:25	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/29/20 14:25	1
1,2-Dichlorobenzene	ND	*1	0.30	0.038 ug/L			12/29/20 14:25	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/29/20 14:25	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/29/20 14:25	1
1,3,5-Trimethylbenzene	ND	*1	0.50	0.15 ug/L			12/29/20 14:25	1
1,3-Dichlorobenzene	ND	*1	0.30	0.050 ug/L			12/29/20 14:25	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/29/20 14:25	1
1,4-Dichlorobenzene	ND	*1	0.30	0.050 ug/L			12/29/20 14:25	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/29/20 14:25	1
2-Chlorotoluene	ND	*1	0.50	0.12 ug/L			12/29/20 14:25	1
4-Chlorotoluene	ND	*1	0.30	0.050 ug/L			12/29/20 14:25	1
4-Isopropyltoluene	ND	*1	0.50	0.15 ug/L			12/29/20 14:25	1
Benzene	ND	*1	0.20	0.030 ug/L			12/29/20 14:25	1
Bromobenzene	ND	*1	0.20	0.038 ug/L			12/29/20 14:25	1
Bromoform	ND		0.50	0.16 ug/L			12/29/20 14:25	1
Bromomethane	ND		0.50	0.062 ug/L			12/29/20 14:25	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/29/20 14:25	1
Chlorobenzene	ND	*1	0.20	0.025 ug/L			12/29/20 14:25	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/29/20 14:25	1
Chlorodibromomethane	ND	*1	0.20	0.055 ug/L			12/29/20 14:25	1
Chloroethane	ND	*	0.50	0.096 ug/L			12/29/20 14:25	1
Chloroform	ND		0.20	0.030 ug/L			12/29/20 14:25	1
Chloromethane	ND	*	0.50	0.068 ug/L			12/29/20 14:25	1
cis-1,2-Dichloroethene	ND	*1	0.20	0.055 ug/L			12/29/20 14:25	1
cis-1,3-Dichloropropene	ND	*1	0.20	0.090 ug/L			12/29/20 14:25	1
Dibromomethane	ND	*1	0.20	0.062 ug/L			12/29/20 14:25	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/29/20 14:25	1
Dichlorodifluoromethane	ND	*	0.40	0.13 ug/L			12/29/20 14:25	1
Ethylbenzene	ND	*1	0.20	0.030 ug/L			12/29/20 14:25	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/29/20 14:25	1
Isopropylbenzene	ND	*1	1.0	0.19 ug/L			12/29/20 14:25	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/29/20 14:25	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/29/20 14:25	1
m-Xylene & p-Xylene	ND	*1	0.50	0.12 ug/L			12/29/20 14:25	1
Naphthalene	ND		1.0	0.22 ug/L			12/29/20 14:25	1
n-Butylbenzene	ND	*1	1.0	0.23 ug/L			12/29/20 14:25	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/29/20 14:25	1
o-Xylene	ND	*1	0.50	0.15 ug/L			12/29/20 14:25	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: TB-2

Lab Sample ID: 580-99941-6

Date Collected: 12/16/20 15:10

Matrix: Water

Date Received: 12/21/20 09:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*1	1.0	0.17 ug/L			12/29/20 14:25	1
Styrene	ND	*1	1.0	0.19 ug/L			12/29/20 14:25	1
tert-Butylbenzene	ND	*1	0.50	0.26 ug/L			12/29/20 14:25	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/29/20 14:25	1
Toluene	ND		0.20	0.050 ug/L			12/29/20 14:25	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/29/20 14:25	1
trans-1,3-Dichloropropene	ND	*1	0.20	0.092 ug/L			12/29/20 14:25	1
Trichloroethene	ND		0.20	0.066 ug/L			12/29/20 14:25	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/29/20 14:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120				12/29/20 14:25	1
4-Bromofluorobenzene (Surr)	94		80 - 120				12/29/20 14:25	1
Dibromofluoromethane (Surr)	106		80 - 120				12/29/20 14:25	1
Toluene-d8 (Surr)	96		80 - 120				12/29/20 14:25	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	H	0.020	0.013 ug/L			01/03/21 20:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120				01/03/21 20:13	1
4-Bromofluorobenzene (Surr)	106		80 - 120				01/03/21 20:13	1
Dibromofluoromethane (Surr)	99		80 - 120				01/03/21 20:13	1
Toluene-d8 (Surr)	109		80 - 120				01/03/21 20:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/22/20 23:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		50 - 150				12/22/20 23:12	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/24/20 16:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	109		60 - 140			12/22/20 15:38	12/24/20 16:05	1

QC Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-346717/7
Matrix: Water
Analysis Batch: 346717

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/29/20 12:31	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/29/20 12:31	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/29/20 12:31	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/29/20 12:31	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/29/20 12:31	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/29/20 12:31	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/29/20 12:31	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/29/20 12:31	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/29/20 12:31	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/29/20 12:31	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/29/20 12:31	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/29/20 12:31	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/29/20 12:31	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/29/20 12:31	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/29/20 12:31	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/29/20 12:31	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/29/20 12:31	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/29/20 12:31	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/29/20 12:31	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/29/20 12:31	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/29/20 12:31	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/29/20 12:31	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/29/20 12:31	1
Benzene	ND		0.20	0.030 ug/L			12/29/20 12:31	1
Bromobenzene	ND		0.20	0.038 ug/L			12/29/20 12:31	1
Bromoform	ND		0.50	0.16 ug/L			12/29/20 12:31	1
Bromomethane	ND		0.50	0.062 ug/L			12/29/20 12:31	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/29/20 12:31	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/29/20 12:31	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/29/20 12:31	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/29/20 12:31	1
Chloroethane	ND		0.50	0.096 ug/L			12/29/20 12:31	1
Chloroform	ND		0.20	0.030 ug/L			12/29/20 12:31	1
Chloromethane	ND		0.50	0.068 ug/L			12/29/20 12:31	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/29/20 12:31	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/29/20 12:31	1
Dibromomethane	ND		0.20	0.062 ug/L			12/29/20 12:31	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/29/20 12:31	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/29/20 12:31	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/29/20 12:31	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/29/20 12:31	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/29/20 12:31	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/29/20 12:31	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/29/20 12:31	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/29/20 12:31	1
Naphthalene	ND		1.0	0.22 ug/L			12/29/20 12:31	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/29/20 12:31	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/29/20 12:31	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: MB 580-346717/7
Matrix: Water
Analysis Batch: 346717

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.50	0.15 ug/L			12/29/20 12:31	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/29/20 12:31	1
Styrene	ND		1.0	0.19 ug/L			12/29/20 12:31	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/29/20 12:31	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/29/20 12:31	1
Toluene	ND		0.20	0.050 ug/L			12/29/20 12:31	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/29/20 12:31	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/29/20 12:31	1
Trichloroethene	ND		0.20	0.066 ug/L			12/29/20 12:31	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/29/20 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		80 - 120		12/29/20 12:31	1
4-Bromofluorobenzene (Surr)	90		80 - 120		12/29/20 12:31	1
Dibromofluoromethane (Surr)	107		80 - 120		12/29/20 12:31	1
Toluene-d8 (Surr)	100		80 - 120		12/29/20 12:31	1

Lab Sample ID: LCS 580-346717/4
Matrix: Water
Analysis Batch: 346717

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	4.66		ug/L		93	79 - 127
1,1,1-Trichloroethane	5.00	4.66		ug/L		93	79 - 121
1,1,2,2-Tetrachloroethane	5.00	4.62		ug/L		92	76 - 123
1,1,2-Trichloroethane	5.00	4.86		ug/L		97	80 - 127
1,1-Dichloroethane	5.00	4.61		ug/L		92	74 - 120
1,1-Dichloroethene	5.00	5.36		ug/L		107	79 - 120
1,1-Dichloropropene	5.00	4.85		ug/L		97	72 - 120
1,2,3-Trichlorobenzene	5.00	4.52		ug/L		90	75 - 128
1,2,3-Trichloropropane	5.00	4.77		ug/L		95	75 - 127
1,2,4-Trichlorobenzene	5.00	4.21		ug/L		84	79 - 121
1,2,4-Trimethylbenzene	5.00	5.01		ug/L		100	78 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.23		ug/L		85	73 - 123
1,2-Dichlorobenzene	5.00	4.93		ug/L		99	80 - 129
1,2-Dichloroethane	5.00	4.61		ug/L		92	74 - 120
1,2-Dichloropropane	5.00	5.28		ug/L		106	80 - 130
1,3,5-Trimethylbenzene	5.00	5.04		ug/L		101	80 - 129
1,3-Dichlorobenzene	5.00	5.16		ug/L		103	80 - 130
1,3-Dichloropropane	5.00	4.96		ug/L		99	80 - 123
1,4-Dichlorobenzene	5.00	5.05		ug/L		101	80 - 129
2,2-Dichloropropane	5.00	4.89		ug/L		98	67 - 133
2-Chlorotoluene	5.00	5.03		ug/L		101	80 - 120
4-Chlorotoluene	5.00	5.26		ug/L		105	80 - 124
4-Isopropyltoluene	5.00	5.12		ug/L		102	78 - 132
Benzene	5.00	5.04		ug/L		101	73 - 120
Bromobenzene	5.00	4.87		ug/L		97	80 - 130
Bromoform	5.00	4.63		ug/L		93	69 - 125

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCS 580-346717/4
Matrix: Water
Analysis Batch: 346717

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	5.00	4.03		ug/L		81	68 - 131
Carbon tetrachloride	5.00	4.80		ug/L		96	78 - 120
Chlorobenzene	5.00	5.14		ug/L		103	80 - 123
Chlorobromomethane	5.00	5.02		ug/L		100	79 - 131
Chlorodibromomethane	5.00	4.67		ug/L		93	76 - 126
Chloroethane	5.00	3.42	*	ug/L		68	70 - 135
Chloroform	5.00	4.71		ug/L		94	80 - 130
Chloromethane	5.00	2.63	*	ug/L		53	66 - 134
cis-1,2-Dichloroethene	5.00	4.88		ug/L		98	72 - 130
cis-1,3-Dichloropropene	5.00	4.85		ug/L		97	77 - 120
Dibromomethane	5.00	5.08		ug/L		102	65 - 141
Dichlorobromomethane	5.00	4.83		ug/L		97	74 - 120
Dichlorodifluoromethane	5.00	2.60	*	ug/L		52	58 - 126
Ethylbenzene	5.00	5.25		ug/L		105	80 - 130
Hexachlorobutadiene	5.00	5.18		ug/L		104	78 - 120
Isopropylbenzene	5.00	4.98		ug/L		100	83 - 131
Methyl tert-butyl ether	5.00	4.26		ug/L		85	73 - 125
Methylene Chloride	5.00	5.17		ug/L		103	68 - 134
m-Xylene & p-Xylene	5.00	5.23		ug/L		105	86 - 130
Naphthalene	5.00	3.98		ug/L		80	69 - 123
n-Butylbenzene	5.00	4.96		ug/L		99	80 - 127
N-Propylbenzene	5.00	5.03		ug/L		101	77 - 142
o-Xylene	5.00	4.94		ug/L		99	80 - 133
sec-Butylbenzene	5.00	4.89		ug/L		98	84 - 132
Styrene	5.00	5.46		ug/L		109	74 - 136
tert-Butylbenzene	5.00	5.19		ug/L		104	77 - 129
Tetrachloroethene	5.00	5.26		ug/L		105	75 - 131
Toluene	5.00	5.17		ug/L		103	80 - 126
trans-1,2-Dichloroethene	5.00	4.82		ug/L		96	63 - 133
trans-1,3-Dichloropropene	5.00	4.76		ug/L		95	71 - 128
Trichloroethene	5.00	5.24		ug/L		105	72 - 136
Trichlorofluoromethane	5.00	3.41	*	ug/L		68	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	80		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	92		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 580-346717/5
Matrix: Water
Analysis Batch: 346717

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
1,1,1,2-Tetrachloroethane	5.00	5.17		ug/L		103	79 - 127	10	11
1,1,1-Trichloroethane	5.00	5.20		ug/L		104	79 - 121	11	14
1,1,1,2,2-Tetrachloroethane	5.00	5.38	*1	ug/L		108	76 - 123	15	10
1,1,2-Trichloroethane	5.00	5.44	*1	ug/L		109	80 - 127	11	10

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCSD 580-346717/5
Matrix: Water
Analysis Batch: 346717

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
1,1-Dichloroethane	5.00	5.01		ug/L		100	74 - 120	8	10
1,1-Dichloroethene	5.00	5.84		ug/L		117	79 - 120	9	17
1,1-Dichloropropene	5.00	5.52	*1	ug/L		110	72 - 120	13	10
1,2,3-Trichlorobenzene	5.00	4.50		ug/L		90	75 - 128	0	20
1,2,3-Trichloropropane	5.00	5.66	*1	ug/L		113	75 - 127	17	12
1,2,4-Trichlorobenzene	5.00	4.58		ug/L		92	79 - 121	8	20
1,2,4-Trimethylbenzene	5.00	6.04	*1	ug/L		121	78 - 127	19	10
1,2-Dibromo-3-Chloropropane	5.00	4.39		ug/L		88	73 - 123	4	16
1,2-Dichlorobenzene	5.00	5.82	*1	ug/L		116	80 - 129	16	10
1,2-Dichloroethane	5.00	4.94		ug/L		99	74 - 120	7	10
1,2-Dichloropropane	5.00	5.86		ug/L		117	80 - 130	10	14
1,3,5-Trimethylbenzene	5.00	5.97	*1	ug/L		119	80 - 129	17	10
1,3-Dichlorobenzene	5.00	6.16	*1	ug/L		123	80 - 130	18	12
1,3-Dichloropropane	5.00	5.66		ug/L		113	80 - 123	13	19
1,4-Dichlorobenzene	5.00	6.24	*1	ug/L		125	80 - 129	21	11
2,2-Dichloropropane	5.00	5.64		ug/L		113	67 - 133	14	16
2-Chlorotoluene	5.00	5.78	*1	ug/L		116	80 - 120	14	10
4-Chlorotoluene	5.00	6.14	*1	ug/L		123	80 - 124	16	10
4-Isopropyltoluene	5.00	6.04	*1	ug/L		121	78 - 132	16	14
Benzene	5.00	5.63	*1	ug/L		113	73 - 120	11	10
Bromobenzene	5.00	5.79	*1	ug/L		116	80 - 130	17	11
Bromoform	5.00	4.98		ug/L		100	69 - 125	7	10
Bromomethane	5.00	4.34		ug/L		87	68 - 131	7	18
Carbon tetrachloride	5.00	5.25		ug/L		105	78 - 120	9	10
Chlorobenzene	5.00	5.88	*1	ug/L		118	80 - 123	13	12
Chlorobromomethane	5.00	5.58		ug/L		112	79 - 131	10	10
Chlorodibromomethane	5.00	5.36	*1	ug/L		107	76 - 126	14	10
Chloroethane	5.00	3.53		ug/L		71	70 - 135	3	20
Chloroform	5.00	5.19		ug/L		104	80 - 130	10	10
Chloromethane	5.00	2.83	*-	ug/L		57	66 - 134	7	16
cis-1,2-Dichloroethene	5.00	5.42	*1	ug/L		108	72 - 130	11	10
cis-1,3-Dichloropropene	5.00	5.57	*1	ug/L		111	77 - 120	14	10
Dibromomethane	5.00	5.68	*1	ug/L		114	65 - 141	11	10
Dichlorobromomethane	5.00	5.34		ug/L		107	74 - 120	10	10
Dichlorodifluoromethane	5.00	2.95		ug/L		59	58 - 126	13	16
Ethylbenzene	5.00	6.03	*1	ug/L		121	80 - 130	14	10
Hexachlorobutadiene	5.00	5.86		ug/L		117	78 - 120	12	15
Isopropylbenzene	5.00	5.71	*1	ug/L		114	83 - 131	14	10
Methyl tert-butyl ether	5.00	4.66		ug/L		93	73 - 125	9	12
Methylene Chloride	5.00	5.53		ug/L		111	68 - 134	7	18
m-Xylene & p-Xylene	5.00	5.97	*1	ug/L		119	86 - 130	13	10
Naphthalene	5.00	3.95		ug/L		79	69 - 123	1	20
n-Butylbenzene	5.00	5.99	*1	ug/L		120	80 - 127	19	10
N-Propylbenzene	5.00	6.07		ug/L		121	77 - 142	19	20
o-Xylene	5.00	5.61	*1	ug/L		112	80 - 133	13	10
sec-Butylbenzene	5.00	5.89	*1	ug/L		118	84 - 132	19	10
Styrene	5.00	6.18	*1	ug/L		124	74 - 136	12	10
tert-Butylbenzene	5.00	6.28	*1	ug/L		126	77 - 129	19	10
Tetrachloroethene	5.00	6.10		ug/L		122	75 - 131	15	20

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCSD 580-346717/5
Matrix: Water
Analysis Batch: 346717

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	5.00	5.73		ug/L		115	80 - 126	10	20
trans-1,2-Dichloroethene	5.00	5.37		ug/L		107	63 - 133	11	17
trans-1,3-Dichloropropene	5.00	5.66	*1	ug/L		113	71 - 128	17	16
Trichloroethene	5.00	5.71		ug/L		114	72 - 136	9	14
Trichlorofluoromethane	5.00	4.57	*1	ug/L		91	75 - 120	29	13

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	85		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	90		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 580-346723/7
Matrix: Water
Analysis Batch: 346723

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/29/20 11:04	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/29/20 11:04	1
1,1,1,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/29/20 11:04	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/29/20 11:04	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/29/20 11:04	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/29/20 11:04	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/29/20 11:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/29/20 11:04	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/29/20 11:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/29/20 11:04	1
1,2,4-Trimethylbenzene	0.111	J	0.30	0.072 ug/L			12/29/20 11:04	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/29/20 11:04	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/29/20 11:04	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/29/20 11:04	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/29/20 11:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/29/20 11:04	1
1,3-Dichlorobenzene	0.0580	J	0.30	0.050 ug/L			12/29/20 11:04	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/29/20 11:04	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/29/20 11:04	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/29/20 11:04	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/29/20 11:04	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/29/20 11:04	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/29/20 11:04	1
Benzene	ND		0.20	0.030 ug/L			12/29/20 11:04	1
Bromobenzene	ND		0.20	0.038 ug/L			12/29/20 11:04	1
Bromoform	ND		0.50	0.16 ug/L			12/29/20 11:04	1
Bromomethane	ND		0.50	0.062 ug/L			12/29/20 11:04	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/29/20 11:04	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/29/20 11:04	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/29/20 11:04	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/29/20 11:04	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: MB 580-346723/7
Matrix: Water
Analysis Batch: 346723

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.50	0.096 ug/L			12/29/20 11:04	1
Chloroform	ND		0.20	0.030 ug/L			12/29/20 11:04	1
Chloromethane	ND		0.50	0.068 ug/L			12/29/20 11:04	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/29/20 11:04	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/29/20 11:04	1
Dibromomethane	ND		0.20	0.062 ug/L			12/29/20 11:04	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/29/20 11:04	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/29/20 11:04	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/29/20 11:04	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/29/20 11:04	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/29/20 11:04	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/29/20 11:04	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/29/20 11:04	1
m-Xylene & p-Xylene	0.190	J	0.50	0.12 ug/L			12/29/20 11:04	1
Naphthalene	0.636	J	1.0	0.22 ug/L			12/29/20 11:04	1
n-Butylbenzene	0.308	J	1.0	0.23 ug/L			12/29/20 11:04	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/29/20 11:04	1
o-Xylene	0.200	J	0.50	0.15 ug/L			12/29/20 11:04	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/29/20 11:04	1
Styrene	ND		1.0	0.19 ug/L			12/29/20 11:04	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/29/20 11:04	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/29/20 11:04	1
Toluene	ND		0.20	0.050 ug/L			12/29/20 11:04	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/29/20 11:04	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/29/20 11:04	1
Trichloroethene	ND		0.20	0.066 ug/L			12/29/20 11:04	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/29/20 11:04	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/29/20 11:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		80 - 120		12/29/20 11:04	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/29/20 11:04	1
Dibromofluoromethane (Surr)	97		80 - 120		12/29/20 11:04	1
Toluene-d8 (Surr)	98		80 - 120		12/29/20 11:04	1

Lab Sample ID: LCS 580-346723/4
Matrix: Water
Analysis Batch: 346723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	5.14		ug/L		103	79 - 127
1,1,1-Trichloroethane	5.00	5.31		ug/L		106	79 - 121
1,1,2,2-Tetrachloroethane	5.00	4.52		ug/L		90	76 - 123
1,1,2-Trichloroethane	5.00	4.83		ug/L		97	80 - 127
1,1-Dichloroethane	5.00	4.98		ug/L		100	74 - 120
1,1-Dichloroethene	5.00	5.49		ug/L		110	79 - 120
1,1-Dichloropropene	5.00	5.27		ug/L		105	72 - 120
1,2,3-Trichlorobenzene	5.00	4.96		ug/L		99	75 - 128

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCS 580-346723/4

Matrix: Water

Analysis Batch: 346723

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	5.00	4.53		ug/L		91	75 - 127
1,2,4-Trichlorobenzene	5.00	5.23		ug/L		105	79 - 121
1,2,4-Trimethylbenzene	5.00	5.06		ug/L		101	78 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.33		ug/L		87	73 - 123
1,2-Dichlorobenzene	5.00	5.25		ug/L		105	80 - 129
1,2-Dichloroethane	5.00	4.47		ug/L		89	74 - 120
1,2-Dichloropropane	5.00	4.65		ug/L		93	80 - 130
1,3,5-Trimethylbenzene	5.00	6.02		ug/L		120	80 - 129
1,3-Dichlorobenzene	5.00	4.91		ug/L		98	80 - 130
1,3-Dichloropropane	5.00	4.75		ug/L		95	80 - 123
1,4-Dichlorobenzene	5.00	4.82		ug/L		96	80 - 129
2,2-Dichloropropane	5.00	5.44		ug/L		109	67 - 133
2-Chlorotoluene	5.00	5.41		ug/L		108	80 - 120
4-Chlorotoluene	5.00	5.13		ug/L		103	80 - 124
4-Isopropyltoluene	5.00	6.32		ug/L		126	78 - 132
Benzene	5.00	5.04		ug/L		101	73 - 120
Bromobenzene	5.00	5.20		ug/L		104	80 - 130
Bromoform	5.00	4.53		ug/L		91	69 - 125
Bromomethane	5.00	4.90		ug/L		98	68 - 131
Carbon tetrachloride	5.00	5.19		ug/L		104	78 - 120
Chlorobenzene	5.00	5.38		ug/L		108	80 - 123
Chlorobromomethane	5.00	5.27		ug/L		105	79 - 131
Chlorodibromomethane	5.00	4.72		ug/L		94	76 - 126
Chloroethane	5.00	4.68		ug/L		94	70 - 135
Chloroform	5.00	5.09		ug/L		102	80 - 130
Chloromethane	5.00	4.30		ug/L		86	66 - 134
cis-1,2-Dichloroethene	5.00	5.34		ug/L		107	72 - 130
cis-1,3-Dichloropropene	5.00	4.97		ug/L		99	77 - 120
Dibromomethane	5.00	5.30		ug/L		106	65 - 141
Dichlorobromomethane	5.00	4.76		ug/L		95	74 - 120
Dichlorodifluoromethane	5.00	3.67		ug/L		73	58 - 126
Ethylbenzene	5.00	5.12		ug/L		102	80 - 130
Hexachlorobutadiene	5.00	5.54		ug/L		111	78 - 120
Isopropylbenzene	5.00	6.04		ug/L		121	83 - 131
Methyl tert-butyl ether	5.00	5.09		ug/L		102	73 - 125
Methylene Chloride	5.00	5.44		ug/L		109	68 - 134
m-Xylene & p-Xylene	5.00	4.83		ug/L		97	86 - 130
Naphthalene	5.00	4.60		ug/L		92	69 - 123
n-Butylbenzene	5.00	5.55		ug/L		111	80 - 127
N-Propylbenzene	5.00	5.60		ug/L		112	77 - 142
o-Xylene	5.00	4.89		ug/L		98	80 - 133
sec-Butylbenzene	5.00	5.98		ug/L		120	84 - 132
Styrene	5.00	5.65		ug/L		113	74 - 136
tert-Butylbenzene	5.00	6.04		ug/L		121	77 - 129
Tetrachloroethene	5.00	5.59		ug/L		112	75 - 131
Toluene	5.00	5.18		ug/L		104	80 - 126
trans-1,2-Dichloroethene	5.00	5.45		ug/L		109	63 - 133
trans-1,3-Dichloropropene	5.00	4.74		ug/L		95	71 - 128
Trichloroethene	5.00	5.27		ug/L		105	72 - 136

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCS 580-346723/4
Matrix: Water
Analysis Batch: 346723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	5.00	5.03		ug/L		101	75 - 120
Vinyl chloride	5.00	4.52		ug/L		90	69 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 580-346723/5
Matrix: Water
Analysis Batch: 346723

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
1,1,1,2-Tetrachloroethane	5.00	5.03		ug/L		101	79 - 127	2	11
1,1,1-Trichloroethane	5.00	5.16		ug/L		103	79 - 121	3	14
1,1,1,2-Tetrachloroethane	5.00	4.46		ug/L		89	76 - 123	1	10
1,1,2-Trichloroethane	5.00	4.83		ug/L		97	80 - 127	0	10
1,1-Dichloroethane	5.00	4.88		ug/L		98	74 - 120	2	10
1,1-Dichloroethene	5.00	5.31		ug/L		106	79 - 120	3	17
1,1-Dichloropropene	5.00	5.16		ug/L		103	72 - 120	2	10
1,2,3-Trichlorobenzene	5.00	4.52		ug/L		90	75 - 128	9	20
1,2,3-Trichloropropane	5.00	4.52		ug/L		90	75 - 127	0	12
1,2,4-Trichlorobenzene	5.00	4.82		ug/L		96	79 - 121	8	20
1,2,4-Trimethylbenzene	5.00	4.88		ug/L		98	78 - 127	4	10
1,2-Dibromo-3-Chloropropane	5.00	4.03		ug/L		81	73 - 123	7	16
1,2-Dichlorobenzene	5.00	5.05		ug/L		101	80 - 129	4	10
1,2-Dichloroethane	5.00	4.45		ug/L		89	74 - 120	0	10
1,2-Dichloropropane	5.00	4.64		ug/L		93	80 - 130	0	14
1,3,5-Trimethylbenzene	5.00	5.83		ug/L		117	80 - 129	3	10
1,3-Dichlorobenzene	5.00	4.80		ug/L		96	80 - 130	2	12
1,3-Dichloropropane	5.00	4.77		ug/L		95	80 - 123	0	19
1,4-Dichlorobenzene	5.00	4.72		ug/L		94	80 - 129	2	11
2,2-Dichloropropane	5.00	5.21		ug/L		104	67 - 133	4	16
2-Chlorotoluene	5.00	5.32		ug/L		106	80 - 120	2	10
4-Chlorotoluene	5.00	5.03		ug/L		101	80 - 124	2	10
4-Isopropyltoluene	5.00	6.03		ug/L		121	78 - 132	5	14
Benzene	5.00	4.97		ug/L		99	73 - 120	2	10
Bromobenzene	5.00	5.17		ug/L		103	80 - 130	1	11
Bromoform	5.00	4.54		ug/L		91	69 - 125	0	10
Bromomethane	5.00	4.97		ug/L		99	68 - 131	1	18
Carbon tetrachloride	5.00	5.02		ug/L		100	78 - 120	3	10
Chlorobenzene	5.00	5.34		ug/L		107	80 - 123	1	12
Chlorobromomethane	5.00	5.21		ug/L		104	79 - 131	1	10
Chlorodibromomethane	5.00	4.73		ug/L		95	76 - 126	0	10
Chloroethane	5.00	4.27		ug/L		85	70 - 135	9	20
Chloroform	5.00	5.01		ug/L		100	80 - 130	2	10
Chloromethane	5.00	4.17		ug/L		83	66 - 134	3	16

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCSD 580-346723/5
Matrix: Water
Analysis Batch: 346723

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
cis-1,2-Dichloroethene	5.00	5.24		ug/L		105	72 - 130	2	10
cis-1,3-Dichloropropene	5.00	4.86		ug/L		97	77 - 120	2	10
Dibromomethane	5.00	5.28		ug/L		106	65 - 141	0	10
Dichlorobromomethane	5.00	4.74		ug/L		95	74 - 120	0	10
Dichlorodifluoromethane	5.00	3.49		ug/L		70	58 - 126	5	16
Ethylbenzene	5.00	5.01		ug/L		100	80 - 130	2	10
Hexachlorobutadiene	5.00	5.06		ug/L		101	78 - 120	9	15
Isopropylbenzene	5.00	5.85		ug/L		117	83 - 131	3	10
Methyl tert-butyl ether	5.00	4.99		ug/L		100	73 - 125	2	12
Methylene Chloride	5.00	5.34		ug/L		107	68 - 134	2	18
m-Xylene & p-Xylene	5.00	4.76		ug/L		95	86 - 130	2	10
Naphthalene	5.00	4.18		ug/L		84	69 - 123	9	20
n-Butylbenzene	5.00	5.28		ug/L		106	80 - 127	5	10
N-Propylbenzene	5.00	5.46		ug/L		109	77 - 142	3	20
o-Xylene	5.00	4.79		ug/L		96	80 - 133	2	10
sec-Butylbenzene	5.00	5.72		ug/L		114	84 - 132	5	10
Styrene	5.00	5.59		ug/L		112	74 - 136	1	10
tert-Butylbenzene	5.00	5.81		ug/L		116	77 - 129	4	10
Tetrachloroethene	5.00	5.49		ug/L		110	75 - 131	2	20
Toluene	5.00	5.07		ug/L		101	80 - 126	2	20
trans-1,2-Dichloroethene	5.00	5.34		ug/L		107	63 - 133	2	17
trans-1,3-Dichloropropene	5.00	4.66		ug/L		93	71 - 128	2	16
Trichloroethene	5.00	5.16		ug/L		103	72 - 136	2	14
Trichlorofluoromethane	5.00	2.57	*- *1	ug/L		51	75 - 120	65	13
Vinyl chloride	5.00	4.23		ug/L		85	69 - 128	7	21

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 346723

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	F1 F2	5.00	3.41	F1	ug/L		68	79 - 127
1,1,1-Trichloroethane	ND	F1 F2	5.00	3.81	F1	ug/L		76	79 - 121
1,1,2,2-Tetrachloroethane	ND	F1 F2	5.00	3.04	F1	ug/L		61	76 - 123
1,1,2-Trichloroethane	ND	F1 F2	5.00	3.44	F1	ug/L		69	80 - 127
1,1-Dichloroethane	ND	F1 F2	5.00	3.54	F1	ug/L		71	74 - 120
1,1-Dichloroethene	ND	F1 F2	5.00	3.94		ug/L		79	79 - 120
1,1-Dichloropropene	ND	F1 F2	5.00	3.76		ug/L		75	72 - 120
1,2,3-Trichlorobenzene	ND	F1 F2	5.00	3.16	F1	ug/L		63	75 - 128
1,2,3-Trichloropropane	ND	F1 F2	5.00	3.12	F1	ug/L		62	75 - 127
1,2,4-Trichlorobenzene	ND	F1 F2	5.00	3.15	F1	ug/L		63	79 - 121
1,2,4-Trimethylbenzene	0.11	J F1 B F2	5.00	3.10	F1	ug/L		60	78 - 127

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 346723

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Added	Result				
1,2-Dibromo-3-Chloropropane	ND	F1 F2	5.00	2.75	F1	ug/L		55	73 - 123
1,2-Dichlorobenzene	ND	F1 F2	5.00	3.42	F1	ug/L		68	80 - 129
1,2-Dichloroethane	0.63	F1 F2	5.00	3.92	F1	ug/L		66	74 - 120
1,2-Dichloropropane	0.082	J F1 F2	5.00	3.41	F1	ug/L		67	80 - 130
1,3,5-Trimethylbenzene	ND	F1 F2	5.00	3.75	F1	ug/L		75	80 - 129
1,3-Dichlorobenzene	0.066	J F1 B F2	5.00	3.13	F1	ug/L		61	80 - 130
1,3-Dichloropropane	ND	F1 F2	5.00	3.41	F1	ug/L		68	80 - 123
1,4-Dichlorobenzene	ND	F1 F2	5.00	3.08	F1	ug/L		62	80 - 129
2,2-Dichloropropane	ND	F1 F2	5.00	3.70		ug/L		74	67 - 133
2-Chlorotoluene	ND	F1 F2	5.00	3.50	F1	ug/L		70	80 - 120
4-Chlorotoluene	ND	F1 F2	5.00	3.30	F1	ug/L		66	80 - 124
4-Isopropyltoluene	ND	F1 F2	5.00	3.81	F1	ug/L		76	78 - 132
Benzene	ND	F1 F2	5.00	3.61	F1	ug/L		72	73 - 120
Bromobenzene	ND	F1 F2	5.00	3.49	F1	ug/L		70	80 - 130
Bromoform	ND	F1 F2	5.00	2.93	F1	ug/L		59	69 - 125
Bromomethane	ND	F1 F2	5.00	3.53		ug/L		71	68 - 131
Carbon tetrachloride	ND	F1 F2	5.00	3.65	F1	ug/L		73	78 - 120
Chlorobenzene	ND	F1 F2	5.00	3.75	F1	ug/L		75	80 - 123
Chlorobromomethane	ND	F1 F2	5.00	3.82	F1	ug/L		76	79 - 131
Chlorodibromomethane	ND	F1 F2	5.00	3.10	F1	ug/L		62	76 - 126
Chloroethane	ND	F1 F2	5.00	3.61		ug/L		72	70 - 135
Chloroform	ND	F1 F2	5.00	3.63	F1	ug/L		73	80 - 130
Chloromethane	ND	F1 F2	5.00	3.13	F1	ug/L		63	66 - 134
cis-1,2-Dichloroethene	ND	F1 F2	5.00	3.79		ug/L		76	72 - 130
cis-1,3-Dichloropropene	ND	F1 F2	5.00	3.34	F1	ug/L		67	77 - 120
Dibromomethane	ND	F1 F2	5.00	3.83		ug/L		77	65 - 141
Dichlorobromomethane	ND	F1 F2	5.00	3.29	F1	ug/L		66	74 - 120
Dichlorodifluoromethane	ND	F1 F2	5.00	2.66	F1	ug/L		53	58 - 126
Ethylbenzene	ND	F1 F2	5.00	3.38	F1	ug/L		68	80 - 130
Hexachlorobutadiene	ND	F1 F2	5.00	3.02	F1	ug/L		60	78 - 120
Isopropylbenzene	ND	F1 F2	5.00	4.00	F1	ug/L		80	83 - 131
Methyl tert-butyl ether	ND	F1 F2	5.00	3.63		ug/L		73	73 - 125
Methylene Chloride	ND	F1 F2	5.00	3.75	J	ug/L		75	68 - 134
m-Xylene & p-Xylene	0.20	J F1 B F2	5.00	3.21	F1	ug/L		60	86 - 130
Naphthalene	0.61	J F1 B F2	5.00	3.18	F1	ug/L		51	69 - 123
n-Butylbenzene	0.29	J F1 B F2	5.00	3.29	F1	ug/L		60	80 - 127
N-Propylbenzene	ND	F1 F2	5.00	3.57	F1	ug/L		71	77 - 142
o-Xylene	0.20	J F1 B F2	5.00	3.28	F1	ug/L		62	80 - 133
sec-Butylbenzene	ND	F1 F2	5.00	3.74	F1	ug/L		75	84 - 132
Styrene	ND	F1 F2	5.00	3.61	F1	ug/L		72	74 - 136
tert-Butylbenzene	ND	F1 F2	5.00	3.87		ug/L		77	77 - 129
Tetrachloroethene	ND	F1 F2	5.00	3.75		ug/L		75	75 - 131
Toluene	ND	F1 F2	5.00	3.64	F1	ug/L		73	80 - 126
trans-1,2-Dichloroethene	ND	F1 F2	5.00	3.87		ug/L		77	63 - 133
trans-1,3-Dichloropropene	ND	F1 F2	5.00	3.25	F1	ug/L		65	71 - 128
Trichloroethene	ND	F1 F2	5.00	3.72		ug/L		74	72 - 136
Trichlorofluoromethane	ND	F1 *- *1 F2	5.00	3.69	F1	ug/L		74	75 - 120
Vinyl chloride	ND	F1 F2	5.00	3.30	F1	ug/L		66	69 - 128

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 346723

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
1,1,1,2-Tetrachloroethane	ND	F1 F2	5.00	2.67	F1 F2	ug/L		53	79 - 127	24	11
1,1,1-Trichloroethane	ND	F1 F2	5.00	2.99	F1 F2	ug/L		60	79 - 121	24	14
1,1,2,2-Tetrachloroethane	ND	F1 F2	5.00	2.40	F1 F2	ug/L		48	76 - 123	23	10
1,1,2-Trichloroethane	ND	F1 F2	5.00	2.72	F1 F2	ug/L		54	80 - 127	23	10
1,1-Dichloroethane	ND	F1 F2	5.00	2.79	F1 F2	ug/L		56	74 - 120	24	10
1,1-Dichloroethene	ND	F1 F2	5.00	3.14	F1 F2	ug/L		63	79 - 120	23	17
1,1-Dichloropropene	ND	F1 F2	5.00	2.99	F1 F2	ug/L		60	72 - 120	23	10
1,2,3-Trichlorobenzene	ND	F1 F2	5.00	2.51	F1 F2	ug/L		50	75 - 128	23	20
1,2,3-Trichloropropane	ND	F1 F2	5.00	2.48	F1 F2	ug/L		50	75 - 127	23	12
1,2,4-Trichlorobenzene	ND	F1 F2	5.00	2.52	F1 F2	ug/L		50	79 - 121	22	20
1,2,4-Trimethylbenzene	0.11	J F1 B F2	5.00	2.50	F1 F2	ug/L		48	78 - 127	22	10
1,2-Dibromo-3-Chloropropane	ND	F1 F2	5.00	2.13	F1 F2	ug/L		43	73 - 123	26	16
1,2-Dichlorobenzene	ND	F1 F2	5.00	2.73	F1 F2	ug/L		55	80 - 129	22	10
1,2-Dichloroethane	0.63	F1 F2	5.00	3.21	F1 F2	ug/L		52	74 - 120	20	10
1,2-Dichloropropane	0.082	J F1 F2	5.00	2.73	F1 F2	ug/L		53	80 - 130	22	14
1,3,5-Trimethylbenzene	ND	F1 F2	5.00	3.02	F1 F2	ug/L		60	80 - 129	22	10
1,3-Dichlorobenzene	0.066	J F1 B F2	5.00	2.53	F1 F2	ug/L		49	80 - 130	21	12
1,3-Dichloropropane	ND	F1 F2	5.00	2.69	F1 F2	ug/L		54	80 - 123	23	19
1,4-Dichlorobenzene	ND	F1 F2	5.00	2.48	F1 F2	ug/L		50	80 - 129	22	11
2,2-Dichloropropane	ND	F1 F2	5.00	2.83	F1 F2	ug/L		57	67 - 133	27	16
2-Chlorotoluene	ND	F1 F2	5.00	2.80	F1 F2	ug/L		56	80 - 120	22	10
4-Chlorotoluene	ND	F1 F2	5.00	2.66	F1 F2	ug/L		53	80 - 124	21	10
4-Isopropyltoluene	ND	F1 F2	5.00	3.10	F1 F2	ug/L		62	78 - 132	21	14
Benzene	ND	F1 F2	5.00	2.85	F1 F2	ug/L		57	73 - 120	24	10
Bromobenzene	ND	F1 F2	5.00	2.79	F1 F2	ug/L		56	80 - 130	22	11
Bromoform	ND	F1 F2	5.00	2.33	F1 F2	ug/L		47	69 - 125	23	10
Bromomethane	ND	F1 F2	5.00	2.77	F1 F2	ug/L		55	68 - 131	24	18
Carbon tetrachloride	ND	F1 F2	5.00	2.91	F1 F2	ug/L		58	78 - 120	23	10
Chlorobenzene	ND	F1 F2	5.00	2.98	F1 F2	ug/L		60	80 - 123	23	12
Chlorobromomethane	ND	F1 F2	5.00	3.05	F1 F2	ug/L		61	79 - 131	22	10
Chlorodibromomethane	ND	F1 F2	5.00	2.46	F1 F2	ug/L		49	76 - 126	23	10
Chloroethane	ND	F1 F2	5.00	2.71	F1 F2	ug/L		54	70 - 135	28	20
Chloroform	ND	F1 F2	5.00	2.86	F1 F2	ug/L		57	80 - 130	24	10
Chloromethane	ND	F1 F2	5.00	2.61	F1 F2	ug/L		52	66 - 134	18	16
cis-1,2-Dichloroethene	ND	F1 F2	5.00	3.00	F1 F2	ug/L		60	72 - 130	23	10
cis-1,3-Dichloropropene	ND	F1 F2	5.00	2.62	F1 F2	ug/L		52	77 - 120	24	10
Dibromomethane	ND	F1 F2	5.00	3.04	F1 F2	ug/L		61	65 - 141	23	10
Dichlorobromomethane	ND	F1 F2	5.00	2.61	F1 F2	ug/L		52	74 - 120	23	10
Dichlorodifluoromethane	ND	F1 F2	5.00	2.12	F1 F2	ug/L		42	58 - 126	23	16
Ethylbenzene	ND	F1 F2	5.00	2.68	F1 F2	ug/L		54	80 - 130	23	10
Hexachlorobutadiene	ND	F1 F2	5.00	2.57	F1 F2	ug/L		51	78 - 120	16	15

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 346723

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene	ND	F1 F2	5.00	3.17	F1 F2	ug/L		63	83 - 131	23	10
Methyl tert-butyl ether	ND	F1 F2	5.00	2.87	F1 F2	ug/L		57	73 - 125	23	12
Methylene Chloride	ND	F1 F2	5.00	2.97	J F1 F2	ug/L		59	68 - 134	23	18
m-Xylene & p-Xylene	0.20	J F1 B F2	5.00	2.59	F1 F2	ug/L		48	86 - 130	21	10
Naphthalene	0.61	J F1 B F2	5.00	2.56	F1 F2	ug/L		39	69 - 123	21	20
n-Butylbenzene	0.29	J F1 B F2	5.00	2.77	F1 F2	ug/L		50	80 - 127	17	10
N-Propylbenzene	ND	F1 F2	5.00	2.88	F1 F2	ug/L		58	77 - 142	21	20
o-Xylene	0.20	J F1 B F2	5.00	2.61	F1 F2	ug/L		48	80 - 133	23	10
sec-Butylbenzene	ND	F1 F2	5.00	3.03	F1 F2	ug/L		61	84 - 132	21	10
Styrene	ND	F1 F2	5.00	2.97	F1 F2	ug/L		59	74 - 136	20	10
tert-Butylbenzene	ND	F1 F2	5.00	3.07	F1 F2	ug/L		61	77 - 129	23	10
Tetrachloroethene	ND	F1 F2	5.00	3.03	F1 F2	ug/L		61	75 - 131	21	20
Toluene	ND	F1 F2	5.00	2.86	F1 F2	ug/L		57	80 - 126	24	20
trans-1,2-Dichloroethene	ND	F1 F2	5.00	3.11	F1 F2	ug/L		62	63 - 133	22	17
trans-1,3-Dichloropropene	ND	F1 F2	5.00	2.49	F1 F2	ug/L		50	71 - 128	27	16
Trichloroethene	ND	F1 F2	5.00	2.97	F1 F2	ug/L		59	72 - 136	23	14
Trichlorofluoromethane	ND	F1 *- *1 F2	5.00	2.91	F1 F2	ug/L		58	75 - 120	24	13
Vinyl chloride	ND	F1 F2	5.00	2.61	F1 F2	ug/L		52	69 - 128	23	21

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 580-347135/7
Matrix: Water
Analysis Batch: 347135

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.013 ug/L			01/03/21 19:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		01/03/21 19:48	1
4-Bromofluorobenzene (Surr)	104		80 - 120		01/03/21 19:48	1
Dibromofluoromethane (Surr)	99		80 - 120		01/03/21 19:48	1
Toluene-d8 (Surr)	109		80 - 120		01/03/21 19:48	1

Lab Sample ID: LCS 580-347135/4
Matrix: Water
Analysis Batch: 347135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	5.00	5.86		ug/L		117	69 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCS 580-347135/4
Matrix: Water
Analysis Batch: 347135

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 580-347135/5
Matrix: Water
Analysis Batch: 347135

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

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: MB 580-347181/7
Matrix: Water
Analysis Batch: 347181

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

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dichloroethane	ND		0.20	0.043 ug/L			01/04/21 16:14	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	111		80 - 120		01/04/21 16:14	1
4-Bromofluorobenzene (Surr)	98		80 - 120		01/04/21 16:14	1
Dibromofluoromethane (Surr)	114		80 - 120		01/04/21 16:14	1
Toluene-d8 (Surr)	100		80 - 120		01/04/21 16:14	1

Lab Sample ID: LCS 580-347181/4
Matrix: Water
Analysis Batch: 347181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	101		80 - 120

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCSD 580-347181/5
Matrix: Water
Analysis Batch: 347181

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
1,2-Dichloroethane	5.00	4.24		ug/L		85	74 - 120	6	10
Surrogate									
	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	100		80 - 120						
4-Bromofluorobenzene (Surr)	102		80 - 120						
Dibromofluoromethane (Surr)	100		80 - 120						
Toluene-d8 (Surr)	103		80 - 120						

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

Lab Sample ID: MB 580-346304/31
Matrix: Water
Analysis Batch: 346304

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	mg/L			12/22/20 21:34	1
Surrogate								
	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	79		50 - 150		12/22/20 21:34	1		

Lab Sample ID: LCS 580-346304/32
Matrix: Water
Analysis Batch: 346304

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1.00	0.848		mg/L		85	79 - 120
Surrogate							
	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	86		50 - 150				

Lab Sample ID: LCSD 580-346304/33
Matrix: Water
Analysis Batch: 346304

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	1.00	0.835		mg/L		83	79 - 120	2	10
Surrogate									
	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	91		50 - 150						

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 346304

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	ND	F1 F2	1.00	0.488	F1	mg/L		49	79 - 120

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 346304

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

	<i>MS</i>	<i>MS</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	88		50 - 150

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 346304

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
Gasoline	ND	F1 F2	1.00	0.649	F1 F2	mg/L		65	79 - 120	28	10

	<i>MSD</i>	<i>MSD</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	87		50 - 150

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-346357/27-A
Matrix: Water
Analysis Batch: 346455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346357

<i>Analyte</i>	<i>MB Result</i>	<i>MB Qualifier</i>	<i>RL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ethylene Dibromide	ND		0.010	0.0020	ug/L	12/22/20 15:38	12/24/20 11:16	1

	<i>MB</i>	<i>MB</i>		<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
1,2-Dibromopropane	98		60 - 140	12/22/20 15:38	12/24/20 11:16	1

Lab Sample ID: LCS 580-346357/28-A
Matrix: Water
Analysis Batch: 346455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346357

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
Ethylene Dibromide	0.0576	0.0634		ug/L		110	60 - 140

	<i>LCS</i>	<i>LCS</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
1,2-Dibromopropane	99		60 - 140

Lab Sample ID: LCSD 580-346357/29-A
Matrix: Water
Analysis Batch: 346455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346357

<i>Analyte</i>	<i>Spike Added</i>	<i>LCSD Result</i>	<i>LCSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
Ethylene Dibromide	0.0576	0.0684		ug/L		119	60 - 140	8	20

	<i>LCSD</i>	<i>LCSD</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
1,2-Dibromopropane	106		60 - 140

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LLCS 580-346357/30-A
Matrix: Water
Analysis Batch: 346455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346357

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Ethylene Dibromide	0.0115	0.0112		ug/L		98	60 - 145
Surrogate	%Recovery	Qualifier	Limits				
1,2-Dibromopropane	105		60 - 140				

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 346455

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA
Prep Batch: 346357

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Ethylene Dibromide	ND		0.0577	0.0653		ug/L		113	60 - 140
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dibromopropane	106		60 - 140						

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 346455

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA
Prep Batch: 346357

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ethylene Dibromide	ND		0.0581	0.0597		ug/L		103	60 - 140	9	20
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dibromopropane	107		60 - 140								

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-521645/1-A
Matrix: Water
Analysis Batch: 523928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521645

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		1.0	0.46 ug/L		12/23/20 18:00	01/20/21 08:26	1
2,4-D	ND		4.0	0.53 ug/L		12/23/20 18:00	01/20/21 08:26	1
2,4-DB	ND		4.0	0.75 ug/L		12/23/20 18:00	01/20/21 08:26	1
Dalapon	ND		2.0	0.91 ug/L		12/23/20 18:00	01/20/21 08:26	1
Dicamba	ND		2.0	0.44 ug/L		12/23/20 18:00	01/20/21 08:26	1
Dichlorprop	ND		4.0	0.65 ug/L		12/23/20 18:00	01/20/21 08:26	1
Dinoseb	ND		1.0	0.45 ug/L		12/23/20 18:00	01/20/21 08:26	1
MCPA	ND		400	48 ug/L		12/23/20 18:00	01/20/21 08:26	1
MCPP	ND		400	33 ug/L		12/23/20 18:00	01/20/21 08:26	1
Picloram	ND		0.50	0.24 ug/L		12/23/20 18:00	01/20/21 08:26	1
Silvex (2,4,5-TP)	ND		1.0	0.17 ug/L		12/23/20 18:00	01/20/21 08:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	96		39 - 135			12/23/20 18:00	01/20/21 08:26	1

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCS 280-521645/2-A
Matrix: Water
Analysis Batch: 523928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521645

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-T	5.00	5.69		ug/L		114	42 - 121
2,4-D	5.00	5.27		ug/L		105	41 - 124
2,4-DB	5.00	5.78		ug/L		116	35 - 117
Dalapon	5.00	4.33		ug/L		87	24 - 124
Dicamba	5.00	4.91		ug/L		98	44 - 114
Dichlorprop	5.00	5.41		ug/L		108	46 - 117
Dinoseb	5.00	4.19		ug/L		84	59 - 179
MCPA	500	541	*+	ug/L		108	37 - 106
MCPP	500	596		ug/L		119	33 - 131
Picloram	5.00	3.98		ug/L		80	39 - 109
Silvex (2,4,5-TP)	5.00	6.03		ug/L		121	48 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	103		39 - 135

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 523928

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA
Prep Batch: 521645

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
2,4,5-T	ND		5.52	6.31		ug/L		114	42 - 121
2,4-D	ND		5.52	6.51	J	ug/L		118	41 - 124
2,4-DB	ND		5.52	6.19	J	ug/L		112	35 - 117
Dalapon	ND		5.52	5.69		ug/L		103	24 - 124
Dicamba	ND		5.52	5.40		ug/L		98	44 - 114
Dichlorprop	ND	F1	5.52	7.38	J F1	ug/L		134	46 - 117
Dinoseb	ND	F1	5.52	4.29		ug/L		78	59 - 179
MCPA	ND	*+	552	585	J	ug/L		106	37 - 106
MCPP	ND	F1	552	1030	F1	ug/L		187	33 - 131
Picloram	ND		5.52	5.86		ug/L		106	39 - 109
Silvex (2,4,5-TP)	ND		5.52	6.43		ug/L		117	48 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	118	D	39 - 135

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 523928

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA
Prep Batch: 521645

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,4,5-T	ND		5.43	6.08		ug/L		112	42 - 121	4	30
2,4-D	ND		5.43	6.05	J	ug/L		111	41 - 124	7	30
2,4-DB	ND		5.43	5.39	J	ug/L		99	35 - 117	14	30
Dalapon	ND		5.43	5.41		ug/L		100	24 - 124	5	30
Dicamba	ND		5.43	5.36		ug/L		99	44 - 114	1	30
Dichlorprop	ND	F1	5.43	6.61	J F1	ug/L		122	46 - 117	11	30
Dinoseb	ND	F1	5.43	4.22		ug/L		78	59 - 179	2	30
MCPA	ND	*+	543	552	J	ug/L		102	37 - 106	6	30

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 523928

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA
Prep Batch: 521645

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
MCPP	ND	F1	543	950	F1	ug/L		175	33 - 131	8	30
Picloram	ND		5.43	5.69		ug/L		105	39 - 109	3	30
Silvex (2,4,5-TP)	ND		5.43	6.26		ug/L		115	48 - 123	3	30
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
2,4-Dichlorophenylacetic acid	113	D	39 - 135								

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

Lab Sample ID: MB 580-346845/1-A
Matrix: Water
Analysis Batch: 346895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346845

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.11	0.065 mg/L		12/30/20 13:07	12/31/20 00:20	1
Motor Oil (>C24-C36)	0.213	J	0.35	0.096 mg/L		12/30/20 13:07	12/31/20 00:20	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
o-Terphenyl	84		50 - 150	12/30/20 13:07	12/31/20 00:20	1		

Lab Sample ID: LCS 580-346845/2-A
Matrix: Water
Analysis Batch: 346895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346845

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2.00	2.05		mg/L		103	50 - 120
Motor Oil (>C24-C36)	2.00	2.29		mg/L		115	64 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
o-Terphenyl	106		50 - 150				

Lab Sample ID: LCSD 580-346845/3-A
Matrix: Water
Analysis Batch: 346895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346845

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2.00	2.04		mg/L		102	50 - 120	1	26
Motor Oil (>C24-C36)	2.00	2.29		mg/L		115	64 - 120	0	24
Surrogate	%Recovery	LCSD Qualifier	Limits						
o-Terphenyl	101		50 - 150						

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 346895

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA
Prep Batch: 346845

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	0.089	J	2.13	2.14		mg/L		96	50 - 120

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 346895

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA
Prep Batch: 346845

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Motor Oil (>C24-C36)	0.14	J B	2.13	2.48		mg/L		110	64 - 120	
Surrogate	%Recovery	MS Qualifier	MS Limits							
<i>o</i> -Terphenyl	98		50 - 150							

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 346895

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA
Prep Batch: 346845

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	0.089	J	2.22	2.06		mg/L		89	50 - 120	4	26
Motor Oil (>C24-C36)	0.14	J B	2.22	2.49		mg/L		106	64 - 120	0	24
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
<i>o</i> -Terphenyl	97		50 - 150								

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-346669/19-A
Matrix: Water
Analysis Batch: 346775

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 346669

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0010 mg/L		12/28/20 17:52	12/29/20 16:22	5
Barium	ND		0.0060	0.0011 mg/L		12/28/20 17:52	12/29/20 16:22	5
Cadmium	ND		0.0040	0.00050 mg/L		12/28/20 17:52	12/29/20 16:22	5
Chromium	ND		0.0040	0.00087 mg/L		12/28/20 17:52	12/29/20 16:22	5
Lead	ND		0.0040	0.0010 mg/L		12/28/20 17:52	12/29/20 16:22	5
Selenium	ND		0.040	0.010 mg/L		12/28/20 17:52	12/29/20 16:22	5
Silver	ND		0.0020	0.00028 mg/L		12/28/20 17:52	12/29/20 16:22	5

Lab Sample ID: LCS 580-346669/20-A
Matrix: Water
Analysis Batch: 346775

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 346669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.975		mg/L		98	80 - 120
Barium	1.00	0.959		mg/L		96	80 - 120
Cadmium	1.00	0.979		mg/L		98	80 - 120
Chromium	1.00	0.958		mg/L		96	80 - 120
Lead	1.00	0.964		mg/L		96	80 - 120
Selenium	1.00	0.971		mg/L		97	80 - 120
Silver	1.00	0.983		mg/L		98	80 - 120

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: LCSD 580-346669/21-A
Matrix: Water
Analysis Batch: 346775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 346669

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Arsenic	1.00	0.989		mg/L		99	80 - 120	1	20	
Barium	1.00	0.967		mg/L		97	80 - 120	1	20	
Cadmium	1.00	0.984		mg/L		98	80 - 120	0	20	
Chromium	1.00	0.976		mg/L		98	80 - 120	2	20	
Lead	1.00	0.962		mg/L		96	80 - 120	0	20	
Selenium	1.00	0.946		mg/L		95	80 - 120	3	20	
Silver	1.00	0.984		mg/L		98	80 - 120	0	20	

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 346775

Client Sample ID: BH2-15-W-15
Prep Type: Dissolved
Prep Batch: 346669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
									Limits	RPD		
Arsenic	0.084		1.00	1.05		mg/L		96	80 - 120			
Barium	0.063		1.00	1.06		mg/L		100	80 - 120			
Cadmium	ND		1.00	0.970		mg/L		97	80 - 120			
Chromium	0.0039	J	1.00	0.950		mg/L		95	80 - 120			
Lead	0.0023	J	1.00	0.953		mg/L		95	80 - 120			
Selenium	0.013	J	1.00	0.934		mg/L		92	80 - 120			
Silver	ND		1.00	0.935		mg/L		93	80 - 120			

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 346775

Client Sample ID: BH2-15-W-15
Prep Type: Dissolved
Prep Batch: 346669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
									Limits	RPD		
Arsenic	0.084		1.00	1.06		mg/L		97	80 - 120	1	20	
Barium	0.063		1.00	1.06		mg/L		99	80 - 120	1	20	
Cadmium	ND		1.00	0.989		mg/L		99	80 - 120	2	20	
Chromium	0.0039	J	1.00	0.955		mg/L		95	80 - 120	1	20	
Lead	0.0023	J	1.00	0.970		mg/L		97	80 - 120	2	20	
Selenium	0.013	J	1.00	0.918		mg/L		90	80 - 120	2	20	
Silver	ND		1.00	0.958		mg/L		96	80 - 120	2	20	

Lab Sample ID: 580-99941-1 DU
Matrix: Water
Analysis Batch: 346775

Client Sample ID: BH2-15-W-15
Prep Type: Dissolved
Prep Batch: 346669

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD		Limit
								RPD	Limit	
Arsenic	0.084		0.0840		mg/L		0.4			20
Barium	0.063		0.0642		mg/L		1			20
Cadmium	ND		ND		mg/L		NC			20
Chromium	0.0039	J	0.00397	J	mg/L		1			20
Lead	0.0023	J	0.00231	J	mg/L		0.3			20
Selenium	0.013	J	0.0146	J	mg/L		12			20
Silver	ND		ND		mg/L		NC			20

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-346314/3
Matrix: Water
Analysis Batch: 346314

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.90	0.14 mg/L			12/22/20 14:05	1
Sulfate	ND		1.2	0.26 mg/L			12/22/20 14:05	1

Lab Sample ID: LCS 580-346314/4
Matrix: Water
Analysis Batch: 346314

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	52.9		mg/L		106	90 - 110
Sulfate	50.0	51.8		mg/L		104	90 - 110

Lab Sample ID: LCSD 580-346314/5
Matrix: Water
Analysis Batch: 346314

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
Chloride	50.0	52.9		mg/L		106	90 - 110	0	15
Sulfate	50.0	52.3		mg/L		105	90 - 110	1	15

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 346314

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	200	F1	500	758	F1	mg/L		112	90 - 110
Sulfate	370		500	906		mg/L		108	90 - 110

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 346314

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	200	F1	500	758	F1	mg/L		112	90 - 110	0	15
Sulfate	370		500	906		mg/L		108	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-522691/59
Matrix: Water
Analysis Batch: 522691

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022 mg/L			01/05/21 13:32	1

Lab Sample ID: LCS 280-522691/57
Matrix: Water
Analysis Batch: 522691

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	2.46		mg/L		98	90 - 110

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCSD 280-522691/58
Matrix: Water
Analysis Batch: 522691

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	2.48		mg/L		99	90 - 110	1	10

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 522691

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	1.2	F1	10.0	9.72	F1	mg/L		85	90 - 110

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 522691

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	1.2	F1	10.0	10.5		mg/L		93	90 - 110	8	10

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-522665/22
Matrix: Water
Analysis Batch: 522665

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.019 mg/L			01/05/21 18:03	1

Lab Sample ID: MB 280-522665/60
Matrix: Water
Analysis Batch: 522665

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0485	J	0.10	0.019 mg/L			01/05/21 19:19	1

Lab Sample ID: LCS 280-522665/21
Matrix: Water
Analysis Batch: 522665

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	5.46		mg/L		109	90 - 110

Lab Sample ID: LCS 280-522665/59
Matrix: Water
Analysis Batch: 522665

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	5.40		mg/L		108	90 - 110

QC Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

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

Lab Sample ID: MB 280-522776/22
Matrix: Water
Analysis Batch: 522776

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.019 mg/L			01/06/21 19:24	1

Lab Sample ID: LCS 280-522776/21
Matrix: Water
Analysis Batch: 522776

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	5.33		mg/L		107	90 - 110

Lab Sample ID: 580-99941-1 MS
Matrix: Water
Analysis Batch: 522776

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	12		20.0	31.4		mg/L		96	90 - 110

Lab Sample ID: 580-99941-1 MSD
Matrix: Water
Analysis Batch: 522776

Client Sample ID: BH2-15-W-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	12		20.0	32.8		mg/L		103	90 - 110	4	10

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-15-W-15

Lab Sample ID: 580-99941-1

Date Collected: 12/16/20 10:34

Matrix: Water

Date Received: 12/21/20 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346723	12/29/20 16:00	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	346304	12/23/20 04:03	JSM	TAL SEA
Total/NA	Prep	8011			346357	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346455	12/24/20 12:19	TL1	TAL SEA
Total/NA	Prep	8151A			521645	12/23/20 18:00	DFB1	TAL DEN
Total/NA	Analysis	8151A		2	523928	01/20/21 13:50	MB	TAL DEN
Total/NA	Prep	3510C			346845	12/30/20 13:07	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346895	12/31/20 04:59	ADB	TAL SEA
Dissolved	Prep	3005A			346669	12/28/20 17:52	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346775	12/29/20 16:26	FCW	TAL SEA
Total/NA	Analysis	300.0		10	346314	12/22/20 18:34	AAC	TAL SEA
Total/NA	Analysis	350.1		10	522691	01/05/21 14:10	BWH	TAL DEN
Total/NA	Analysis	353.2		5	522776	01/06/21 19:26	SVC	TAL DEN

Client Sample ID: BH2-19-W-5

Lab Sample ID: 580-99941-2

Date Collected: 12/16/20 10:53

Matrix: Water

Date Received: 12/21/20 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346723	12/29/20 17:14	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	346304	12/23/20 05:16	JSM	TAL SEA
Total/NA	Prep	8011			346357	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346455	12/24/20 13:06	TL1	TAL SEA
Total/NA	Prep	8151A			521645	12/23/20 18:00	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523928	01/20/21 15:06	MB	TAL DEN
Total/NA	Prep	3510C			346845	12/30/20 13:07	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346895	12/31/20 05:59	ADB	TAL SEA
Dissolved	Prep	3005A			346669	12/28/20 17:52	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346775	12/29/20 17:06	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346314	12/22/20 19:09	AAC	TAL SEA
Total/NA	Analysis	350.1		1	522691	01/05/21 14:04	BWH	TAL DEN
Total/NA	Analysis	353.2		1	522665	01/05/21 19:13	SVC	TAL DEN

Client Sample ID: BH2-14-W-12

Lab Sample ID: 580-99941-3

Date Collected: 12/16/20 11:31

Matrix: Water

Date Received: 12/21/20 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346723	12/29/20 17:39	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	346304	12/23/20 05:40	JSM	TAL SEA
Total/NA	Prep	8011			346357	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346455	12/24/20 13:23	TL1	TAL SEA
Total/NA	Prep	8151A			521645	12/23/20 18:00	DFB1	TAL DEN
Total/NA	Analysis	8151A		2	523928	01/20/21 15:31	MB	TAL DEN

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-14-W-12

Lab Sample ID: 580-99941-3

Date Collected: 12/16/20 11:31

Matrix: Water

Date Received: 12/21/20 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			346845	12/30/20 13:07	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346895	12/31/20 06:19	ADB	TAL SEA
Dissolved	Prep	3005A			346669	12/28/20 17:52	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346775	12/29/20 17:10	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346314	12/22/20 19:21	AAC	TAL SEA
Total/NA	Analysis	300.0		10	346314	12/22/20 19:32	AAC	TAL SEA
Total/NA	Analysis	350.1		100	522691	01/05/21 15:19	BWH	TAL DEN
Total/NA	Analysis	353.2		25	522665	01/05/21 19:15	SVC	TAL DEN

Client Sample ID: BH2-13-W-16

Lab Sample ID: 580-99941-4

Date Collected: 12/16/20 12:58

Matrix: Water

Date Received: 12/21/20 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL	DL	10	347181	01/04/21 17:42	CJ	TAL SEA
Total/NA	Analysis	8260C LL		1	346723	12/29/20 18:03	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	346304	12/23/20 06:29	JSM	TAL SEA
Total/NA	Prep	8011			346357	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346455	12/24/20 14:43	TL1	TAL SEA
Total/NA	Prep	8151A			521645	12/23/20 18:00	DFB1	TAL DEN
Total/NA	Analysis	8151A		5	524166	01/21/21 12:04	MB	TAL DEN
Total/NA	Prep	3510C			346845	12/30/20 13:07	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346935	12/31/20 15:07	ADB	TAL SEA
Dissolved	Prep	3005A			346669	12/28/20 17:52	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346775	12/29/20 17:13	FCW	TAL SEA
Total/NA	Analysis	300.0		10	346314	12/22/20 19:56	AAC	TAL SEA
Total/NA	Analysis	350.1		500	522691	01/05/21 15:47	BWH	TAL DEN
Total/NA	Analysis	353.2		25	522665	01/05/21 19:27	SVC	TAL DEN

Client Sample ID: BH2-12-W-16

Lab Sample ID: 580-99941-5

Date Collected: 12/16/20 14:16

Matrix: Water

Date Received: 12/21/20 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346723	12/29/20 18:28	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	346304	12/23/20 06:53	JSM	TAL SEA
Total/NA	Prep	8011			346357	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346455	12/24/20 15:48	TL1	TAL SEA
Total/NA	Prep	8151A			521645	12/23/20 18:00	DFB1	TAL DEN
Total/NA	Analysis	8151A		5	524166	01/21/21 12:31	MB	TAL DEN
Total/NA	Prep	3510C			346845	12/30/20 13:07	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346895	12/31/20 06:59	ADB	TAL SEA
Dissolved	Prep	3005A			346669	12/28/20 17:52	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346775	12/29/20 17:17	FCW	TAL SEA

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Client Sample ID: BH2-12-W-16

Lab Sample ID: 580-99941-5

Date Collected: 12/16/20 14:16

Matrix: Water

Date Received: 12/21/20 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	346314	12/22/20 20:43	AAC	TAL SEA
Total/NA	Analysis	350.1		1	522691	01/05/21 14:02	BWH	TAL DEN
Total/NA	Analysis	353.2		50	522665	01/05/21 19:41	SVC	TAL DEN

Client Sample ID: TB-2

Lab Sample ID: 580-99941-6

Date Collected: 12/16/20 15:10

Matrix: Water

Date Received: 12/21/20 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346717	12/29/20 14:25	T1W	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	347135	01/03/21 20:13	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	346304	12/22/20 23:12	JSM	TAL SEA
Total/NA	Prep	8011			346357	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346455	12/24/20 16:05	TL1	TAL SEA

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Laboratory: Eurofins TestAmerica, Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2901	11-05-21

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
300.0		Water	Chloride
300.0		Water	Sulfate
6020B	3005A	Water	Arsenic
6020B	3005A	Water	Barium
6020B	3005A	Water	Cadmium
6020B	3005A	Water	Chromium
6020B	3005A	Water	Lead
6020B	3005A	Water	Selenium
6020B	3005A	Water	Silver
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	4-Isopropyltoluene
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon tetrachloride
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chlorobromomethane
8260C LL		Water	Chlorodibromomethane
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene

Accreditation/Certification Summary

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Laboratory: Eurofins TestAmerica, Seattle (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2901	11-05-21
8260C LL	Water	Dibromomethane	
8260C LL	Water	Dichlorobromomethane	
8260C LL	Water	Dichlorodifluoromethane	
8260C LL	Water	Ethylbenzene	
8260C LL	Water	Hexachlorobutadiene	
8260C LL	Water	Isopropylbenzene	
8260C LL	Water	Methyl tert-butyl ether	
8260C LL	Water	Methylene Chloride	
8260C LL	Water	m-Xylene & p-Xylene	
8260C LL	Water	Naphthalene	
8260C LL	Water	n-Butylbenzene	
8260C LL	Water	N-Propylbenzene	
8260C LL	Water	o-Xylene	
8260C LL	Water	sec-Butylbenzene	
8260C LL	Water	Styrene	
8260C LL	Water	tert-Butylbenzene	
8260C LL	Water	Tetrachloroethene	
8260C LL	Water	Toluene	
8260C LL	Water	trans-1,2-Dichloroethene	
8260C LL	Water	trans-1,3-Dichloropropene	
8260C LL	Water	Trichloroethene	
8260C LL	Water	Trichlorofluoromethane	
8260C LL	Water	Vinyl chloride	
NWTPH-Dx	3510C	Water	#2 Diesel (C10-C24)
NWTPH-Dx	3510C	Water	Motor Oil (>C24-C36)
NWTPH-Gx		Water	Gasoline

Accreditation/Certification Summary

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-08-21
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-21 *
Connecticut	State	PH-0686	09-30-20 *
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Maine	State	2019011 (231)	03-03-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-21
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-21
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-21 *
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	12-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-21 *
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-18-00099	03-26-21
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	02-28-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Seattle

Sample Summary

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99941-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-99941-1	BH2-15-W-15	Water	12/16/20 10:34	12/21/20 09:05	
580-99941-2	BH2-19-W-5	Water	12/16/20 10:53	12/21/20 09:05	
580-99941-3	BH2-14-W-12	Water	12/16/20 11:31	12/21/20 09:05	
580-99941-4	BH2-13-W-16	Water	12/16/20 12:58	12/21/20 09:05	
580-99941-5	BH2-12-W-16	Water	12/16/20 14:16	12/21/20 09:05	
580-99941-6	TB-2	Water	12/16/20 15:10	12/21/20 09:05	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Eurofins TestAmerica, Seattle

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 253-922-5047

Chain of Custody Record

eurofins Environment Testing America

Client Information		Sampler: <i>Alyssa Veatch</i>		Lab PM: Walker, Elaine M		Carrier Tracking No(s):		COC No: 580-41046-13156.2												
Client Contact: Alyssa Veatch		Phone: <i>808-387-7113</i>		E-Mail: m.elaine.walker@eurofinset.com		State of Origin:		Page: Page 2 of 5												
Company: HDR Inc		PWSID:		Analysis Requested						Job #:										
Address: 412 E. Parkcenter Blvd. Suite 100		Due Date Requested:		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MS (Yes or No)</td> <td>8151A - Herbicide (Aqueous)</td> <td>350.1, 353.2</td> <td>300.0_280 - (MOD) Local Method</td> <td>6020B - RCRA 8 Metals w/o Mercury</td> <td>NWTPH_Dx - Northwest - DRORRO</td> <td>8280C_LL, NWTPH_Ox</td> <td>8011 - (MOD) EDB and DBCP Only</td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	8151A - Herbicide (Aqueous)	350.1, 353.2	300.0_280 - (MOD) Local Method	6020B - RCRA 8 Metals w/o Mercury	NWTPH_Dx - Northwest - DRORRO	8280C_LL, NWTPH_Ox	8011 - (MOD) EDB and DBCP Only	Preservation Codes:	
Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	8151A - Herbicide (Aqueous)	350.1, 353.2							300.0_280 - (MOD) Local Method	6020B - RCRA 8 Metals w/o Mercury	NWTPH_Dx - Northwest - DRORRO	8280C_LL, NWTPH_Ox	8011 - (MOD) EDB and DBCP Only						
City: Boise		TAT Requested (days):								A - HCL		M - Hexane								
State, Zip: ID, 83706-6659		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								B - NaOH		N - None								
Phone: 208-387-7033(Tel)		PO #:								C - Zn Acetate		O - AsNaO2								
Email: alyssa.veatch@hdrinc.com		Purchase Order Requested		D - Nitric Acid		P - Na2O4S														
Project Name: Simplot - Sunnyside, WA- 2020		Project #: 58015890		E - NaHSO4		Q - Na2SO3														
Site:		SSOW#:		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=Issue, A=Air)		Total Number of containers		Special Instructions/Note:	
						Preservation Code:							
-1		12/16/2020				G		Water				*dissolved metals were field p. 7 Hored	
L								Water					
								Water					
								Water					
-3								Water					
								Water					
-5								Water					
								Water					
								Water					
								Water					


Possible Hazard Identification				Sample Disposal (A fee may be assessed if sa			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Le			
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: <i>[Signature]</i>		Date/Time: 12/18/2020 1410		Company: HDR		Received by: <i>[Signature]</i>	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

HDR
Simplest

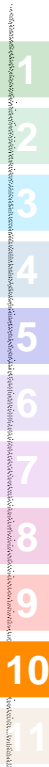
Therm. ID: A1 Cor: 3.7 ° Unc: 4.6 °
Cooler Dsc: by B FedEx:
Packing: Bubs UPS: 15F02
Cust. Seal: Yes Y No _____ Lab Cour: _____
Blue Ice Wet Dry, None Other: _____

Therm. ID: A1 Cor: 2.3 ° Unc: 3.2 °
Cooler Dsc: by B FedEx:
Packing: Bubs UPS: 15F02
Cust. Seal: Yes Y No _____ Lab Cour: _____
Blue Ice Wet Dry, None Other: _____

Therm. ID: A1 Cor: 0.8 ° Unc: 1.7 °
Cooler Dsc: by B FedEx:
Packing: Bubs UPS: 15F02
Cust. Seal: Yes Y No _____ Lab Cour: _____
Blue Ice Wet Dry, None Other: _____

Therm. ID: 10.8 Cor: 4.5 ° Unc: 4.4 °
Cooler Dsc: by B FedEx:
Packing: Bubs UPS: 15F02
Cust. Seal: Yes Y No _____ Lab Cour: _____
Blue Ice Wet Dry, None Other: _____

Therm. ID: A1 Cor: 3.4 ° Unc: 4.3 °
Cooler Dsc: by B FedEx:
Packing: Bubs UPS: 15F02
Cust. Seal: Yes Y No _____ Lab Cour: _____
Blue Ice Wet Dry, None Other: _____



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Shipping/Receiving		Walker, Elaine M	Walker, Elaine M		580-85270.1
Company: TestAmerica Laboratories, Inc.		E-Mail:	m.elaine.walker@eurofinset.com	State of Origin:	Page:
Address: 4955 Yarrow Street.		State Program - California		Washington	Page 1 of 1
City: Arvada		Due Date Requested:	Job #:		
State, Zip: CO, 80002		1/5/2021	580-99941-1		
Phone: 303-736-0100(Tel) 303-431-7171(Fax)		TAT Requested (days):	Preservation Codes:		
Email:			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)		
Project Name: Simplot - Sunnyside, WA- 2020		PO #:	Other:		
Site: SSOW#:		WO #:			
		Project #: 58015890			
		SSOW#:			
		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Onwast/oh, ST-15/15us A-AK)
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Onwast/oh, ST-15/15us A-AK)
BH2-15-W-15 (580-99941-1)		12/16/20	10:34 Pacific	Water	Water
BH2-15-W-15 (580-99941-TMS)		12/16/20	10:34 Pacific	MS	Water
BH2-15-W-15 (580-99941-TMSD)		12/16/20	10:34 Pacific	MSD	Water
BH2-19-W-5 (580-99941-2)		12/16/20	10:53 Pacific	Water	Water
BH2-14-W-12 (580-99941-3)		12/16/20	11:31 Pacific	Water	Water
BH2-13-W-16 (580-99941-4)		12/16/20	12:58 Pacific	Water	Water
BH2-12-W-16 (580-99941-5)		12/16/20	14:16 Pacific	Water	Water
<p>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/test/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.</p>					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify)					
Primary Deliverable Rank: 2					
Date:					
Relinquished by: Tom Blanks					
Date/Time: 12/21/20					
Relinquished by:					
Date/Time:					
Relinquished by:					
Date/Time:					
Custody Seals Intact: Custody Seal No.:					
Δ Yes Δ No					
Copper Temperature(s) °C and Other Remarks: 1.6, 0.5 IGA 9 + 0.2					
Received by: [Signature]					
Date/Time: 12/23/20 11:10					
Company: EPA-DW					
Received by:					
Date/Time:					
Company:					
Received by:					
Date/Time:					
Company:					
Special Instructions/Note:					
Total Number of Containers					
3					
3					
3					
3					
3					
3					
3					

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 580-99941-1

Login Number: 99941

List Number: 1

Creator: Blankinship, Tom X

List Source: Eurofins TestAmerica, Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	No sample date and/or time on COC, logged in per container labels.
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.	False	Refer to Job Narrative for details.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (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: 580-99941-1

Login Number: 99941

List Number: 2

Creator: Pottruff, Reed W

List Source: Eurofins TestAmerica, Denver

List Creation: 12/23/20 08:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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?	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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-99774-1

Client Project/Site: Simplot - Sunnyside, WA- 2020

For:

HDR Inc
412 E. Parkcenter Blvd.
Suite 100
Boise, Idaho 83706-6659

Attn: Dr. Michael Murray

M. Elaine Walker

Authorized for release by:
1/27/2021 5:05:38 PM

Elaine Walker, Project Manager II
(253)248-4972
m.elaine.walker@eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Job ID: 580-99774-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-99774-1

Receipt

Fourteen samples were received on 12/15/2020 7:55 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.1° C, 1.0° C, 1.9° C, 2.2° C, 2.9° C, 3.1° C and 5.6° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Client indicated on COC that they wanted all tests for the Trip Blank, however, PM says to only do 8260C and 8011.

GC/MS VOA

Method 8260C LL: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-345806 recovered outside control limits for the following analytes: Chloroethane, Chloromethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-345806 recovered outside control limits for the following analytes: 1,1,2,2-Tetrachloroethane, 1,2,4-Trimethylbenzene, 1,2-Dichlorobenzene, 1,3,5-Trimethylbenzene, Carbon tetrachloride, Isopropylbenzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene and Trichlorofluoromethane.

Method 8260C LL: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-345965 recovered outside control limits for the following analytes: 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene and Bromoform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-345965 recovered outside control limits for the following analytes: Chlorobromomethane, Chlorodibromomethane, Methyl tert-butyl ether, 1,2-Dibromo-3-Chloropropane, 1,2-Dichlorobenzene, Naphthalene and 1,2,3-Trichlorobenzene.

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346368 recovered outside control limits for the following analyte(s): Bromomethane, Chloroethane, Chloromethane and Trichlorofluoromethane. Bromomethane, Chloroethane, Trichlorofluoromethane and Chloromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C LL: The method blank for analytical batch 580-346502 contained 1,2,4-Trimethylbenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260C LL: Surrogate recovery for the following samples were outside the upper control limit: MW-1 (580-99774-6), MW-2 (580-99774-7) and (MB 580-346502/7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346723 recovered outside control limits for the following analyte(s): Trichlorofluoromethane. Trichlorofluoromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C LL: Reanalysis of the following samples were performed outside of the analytical holding time due to new initial calibration needing to be performed on instrument : MW-7 (580-99774-12) and MW-8 (580-99774-13).

Method 8260C LL: Reanalysis of the following samples were performed outside of the analytical holding time due to new initial calibration being performed on instrument : MW-3 (580-99774-8), MW-4 (580-99774-9), MW-5R (580-99774-10), MW-6 (580-99774-11) and TRIP BLANK (580-99774-14).

Case Narrative

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Job ID: 580-99774-1 (Continued)

Laboratory: Eurofins TestAmerica, Seattle (Continued)

Method 8260C LL: The laboratory control sample (LCS) for analytical batch 580-346184 recovered outside acceptance limits for Vinyl chloride. Reanalysis was performed on the samples outside of the holding time and is being reported as secondary data in batch 580-346748. MW-3 (580-99774-8), MW-4 (580-99774-9), MW-5R (580-99774-10), MW-6 (580-99774-11), MW-7 (580-99774-12), MW-8 (580-99774-13), TRIP BLANK (580-99774-14), (LCS 580-346184/4), (LCS 580-346368/4), (LCSD 580-346184/5) and (LCSD 580-346368/5)

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346184 recovered outside control limits for the following analyte(s): Chloromethane and Chloroethane. Chloromethane and Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Reanalysis of the samples was performed outside of holding time and is being reported as secondary data in batch 580-346748.

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

GC VOA

Method NWTPH-Gx: The matrix spike (MS) recoveries for analytical batch 580-345819 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method NWTPH-Gx: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 580-345819 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method NWTPH-Dx: The Diesel Range Organics (DRO) concentration reported for the following samples is due to the presence of discrete peaks: MW-1 (580-99774-6) and MW-2 (580-99774-7).

Method NWTPH-Dx: The method blank for preparation batch 580-346190 and analytical batch 580-346287 contained #2 Diesel (C10-C24) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern were later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-4 (580-99774-9), MW-5R (580-99774-10), MW-6 (580-99774-11), MW-7 (580-99774-12) and MW-8 (580-99774-13).

Methods 8151A, 8151A DOD: Surrogate recovery for the following samples were outside the upper control limit: BH2-9-W-12 (580-99774-1), BH2-10-W-12 (580-99774-2), BH2-7-W-16 (580-99774-3), MW-3 (580-99774-8) and MW-8 (580-99774-13). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. 8151 preparation batch 280-521005 and analytical batch 280-523295

Method 8151A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-521005 and analytical batch 280-523295 recovered outside control limits for the following analytes: 2,4,5-T, Dicamba, Dichlorprop, MCP, 2,4-D, MCPA, Silvex (2,4,5-TP) and Picloram on front column but in control all on back column. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. 8151 BH2-9-W-12 (580-99774-1), BH2-10-W-12 (580-99774-2), BH2-7-W-16 (580-99774-3), MW-3 (580-99774-8), MW-4 (580-99774-9), MW-5R (580-99774-10), MW-6 (580-99774-11), MW-7 (580-99774-12) and MW-8 (580-99774-13)

Method 8151A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 280-521005 and analytical batch 280-523295 recovered outside control limits for the following analytes: MCPA and MCP. Samples were non-detects for the analytes so re-extraction was not performed. 8151 BH2-9-W-12 (580-99774-1), BH2-10-W-12 (580-99774-2), BH2-7-W-16 (580-99774-3), MW-3 (580-99774-8), MW-4 (580-99774-9), MW-5R (580-99774-10), MW-6 (580-99774-11), MW-7 (580-99774-12) and MW-8 (580-99774-13)

Methods 8151A: The following samples were diluted due to the nature of the sample matrix: BH2-11-W-12 (580-99774-4) and MW-2

Case Narrative

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Job ID: 580-99774-1 (Continued)

Laboratory: Eurofins TestAmerica, Seattle (Continued)

(580-99774-7). Elevated reporting limits (RLs) are provided. Samples were diluted due to the color of the extract. 8151 preparation batch 280-520867 and 280-521005 and analytical batch 280-523736

Method 8151A: The LCS/LCSD for preparation batch 280-521005 and analytical batch 280-523736 recovered low for Dinoseb on the front column. This finding was consistent with the recovery on the ICV and will therefore be reported from the back column. 8151 BH2-11-W-12 (580-99774-4)

Method 8151A: The following sample required a dilution due to the nature of the sample matrix: MW-2 (580-99774-7). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information. 8151 preparation batch 280-520867 and analytical batch 280-523736

Method 8151A: The laboratory control sample duplicate (LCSD) for preparation batch 280-521005 and analytical batch 280-523736 recovered outside control limits for the following analytes: Dalapon and MCPP. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. 8151 BH2-11-W-12 (580-99774-4)

Method 8151A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 280-520867 and analytical batch 280-523736 recovered outside control limits for the following analytes: Dalapon, Dicamba, Dichlorprop, Dinoseb, MCPA, Picloram, Silvex (2,4,5-TP), MCPP, 2,4,5-T, 2,4-D and 2,4-DB. 8151 MW-2 (580-99774-7)

Method 8151A: The laboratory control sample duplicate (LCSD) for preparation batch 280-520867 and analytical batch 280-523736 recovered outside control limits for the following analytes: 2,4-Dichlorophenylacetic acid, Dalapon, Dicamba, Dichlorprop, Dinoseb, MCPA, Picloram, Silvex (2,4,5-TP), MCPP, 2,4,5-T, 2,4-D and 2,4-DB. 8151 MW-2 (580-99774-7)

Methods 8151A, 8151A DOD: The %RPD between the primary and confirmation column exceeded 40% for Dalapon, 2,4-D, 2,4,5-TP (Silvex), and 2,4,5-T for the following sample: BH2-18-W-12 (580-99774-5). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP. The lower value has been reported because matrix interference was evident. 8151 preparation batch 280-521005 and analytical batch 280-523928

Method 8151A: The laboratory control sample (LCS) for preparation batch 280-521005 and analytical batch 280-523928 recovered outside control limits for the following analytes: Dinoseb on the primary (front) column. The confirmation (back) column was in control and data have been reported from there. 8151 BH2-18-W-12 (580-99774-5)

Methods 8151A: The following sample was diluted due to the nature of the sample matrix: BH2-18-W-12 (580-99774-5). Elevated reporting limits (RLs) are provided. The samples were diluted due to the color of the extract. 8151 preparation batch 280-521005 and analytical batch 280-523928

Methods 8151A, 8151A DOD: The following sample was diluted due to the nature of the sample matrix: MW-1 (580-99774-6). Elevated reporting limits (RLs) are provided. Sample was diluted due to the color of the extract. 8151 preparation batch 280-523267 and analytical batch 280-524166

Method 8151A: Dinoseb recovered low on primary (front) column in both LCS/LCSD. The sample result was non-detect for both columns, but the result was reported from the confirmation (back) column. 8151 preparation batch 280-523267 and analytical batch 280-524166, samples affected: MW-1 (580-99774-6)

Method 8151A: The following samples were prepared outside of preparation holding time due to received one day past of hold time: BH2-9-W-12 (580-99774-1), BH2-10-W-12 (580-99774-2), BH2-7-W-16 (580-99774-3), BH2-11-W-12 (580-99774-4) and BH2-18-W-12 (580-99774-5). For 8151 in batch preparation batch 280-521005.

Method 8151A: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: Methanol was inadvertently omitted during the esterification process. The TMSD was neutralized per SOP and the esterification process was re-attempted. Final analysis will determine how the results are affected. The samples were also sent back for re-extraction out of hold to confirm in hold results. Both sets of data will be reported.

Method 8151A: The following sample was re-prepared outside of preparation holding time due to volume lost: MW-1 (580-99774-6).

Case Narrative

Client: HDR Inc
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Job ID: 580-99774-1

Job ID: 580-99774-1 (Continued)

Laboratory: Eurofins TestAmerica, Seattle (Continued)

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 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-346309 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 350.1: The matrix spike duplicate (MSD) recovery and precision for analytical batch 280-521122 was outside control limits. Sample non-homogeneity is suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for method 353.2_Pres analytical batch 280-521509 were outside control limits. Sample matrix interference is 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.



Definitions/Glossary

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
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.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

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.
F2	MS/MSD RPD 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

Definitions/Glossary

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-9-W-12

Lab Sample ID: 580-99774-1

Date Collected: 12/09/20 09:26

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/17/20 13:04	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/17/20 13:04	1
1,1,2,2-Tetrachloroethane	ND	*1	0.20	0.056 ug/L			12/17/20 13:04	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/17/20 13:04	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/17/20 13:04	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/17/20 13:04	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/17/20 13:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/17/20 13:04	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/17/20 13:04	1
1,2,4-Trimethylbenzene	ND	*1	0.30	0.072 ug/L			12/17/20 13:04	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/17/20 13:04	1
1,2-Dichlorobenzene	ND	*1	0.30	0.038 ug/L			12/17/20 13:04	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/17/20 13:04	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/17/20 13:04	1
1,3,5-Trimethylbenzene	ND	*1	0.50	0.15 ug/L			12/17/20 13:04	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 13:04	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/17/20 13:04	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 13:04	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/17/20 13:04	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/17/20 13:04	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/17/20 13:04	1
Benzene	ND		0.20	0.030 ug/L			12/17/20 13:04	1
Bromobenzene	ND		0.20	0.038 ug/L			12/17/20 13:04	1
Bromoform	ND		0.50	0.16 ug/L			12/17/20 13:04	1
Bromomethane	ND		0.50	0.062 ug/L			12/17/20 13:04	1
Carbon tetrachloride	ND	*1	0.20	0.025 ug/L			12/17/20 13:04	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/17/20 13:04	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/17/20 13:04	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/17/20 13:04	1
Chloroethane	ND	*-	0.50	0.096 ug/L			12/17/20 13:04	1
Chloroform	ND		0.20	0.030 ug/L			12/17/20 13:04	1
Chloromethane	ND	*-	0.50	0.068 ug/L			12/17/20 13:04	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/17/20 13:04	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/17/20 13:04	1
Dibromomethane	ND		0.20	0.062 ug/L			12/17/20 13:04	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/17/20 13:04	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/17/20 13:04	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/17/20 13:04	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/17/20 13:04	1
Isopropylbenzene	ND	*1	1.0	0.19 ug/L			12/17/20 13:04	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/17/20 13:04	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/17/20 13:04	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/17/20 13:04	1
Naphthalene	ND		1.0	0.22 ug/L			12/17/20 13:04	1
n-Butylbenzene	ND	*1	1.0	0.23 ug/L			12/17/20 13:04	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/17/20 13:04	1
o-Xylene	ND		0.50	0.15 ug/L			12/17/20 13:04	1
sec-Butylbenzene	ND	*1	1.0	0.17 ug/L			12/17/20 13:04	1
Styrene	ND		1.0	0.19 ug/L			12/17/20 13:04	1

Euofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-9-W-12

Lab Sample ID: 580-99774-1

Date Collected: 12/09/20 09:26

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	*1	0.50	0.26 ug/L			12/17/20 13:04	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/17/20 13:04	1
Toluene	ND		0.20	0.050 ug/L			12/17/20 13:04	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/17/20 13:04	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/17/20 13:04	1
Trichloroethene	ND		0.20	0.066 ug/L			12/17/20 13:04	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/17/20 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		12/17/20 13:04	1
4-Bromofluorobenzene (Surr)	89		80 - 120		12/17/20 13:04	1
Dibromofluoromethane (Surr)	106		80 - 120		12/17/20 13:04	1
Toluene-d8 (Surr)	102		80 - 120		12/17/20 13:04	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/20/20 15:21	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/20/20 15:21	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/20/20 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		12/20/20 15:21	1
4-Bromofluorobenzene (Surr)	94		80 - 120		12/20/20 15:21	1
Dibromofluoromethane (Surr)	106		80 - 120		12/20/20 15:21	1
Toluene-d8 (Surr)	98		80 - 120		12/20/20 15:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/16/20 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150		12/16/20 03:20	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/21/20 16:54	12/22/20 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	98		60 - 140	12/21/20 16:54	12/22/20 19:31	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+ H	0.99	0.45 ug/L		12/18/20 15:16	01/13/21 18:57	1
2,4-D	ND	*+ H	4.0	0.52 ug/L		12/18/20 15:16	01/13/21 18:57	1
2,4-DB	ND	H	4.0	0.74 ug/L		12/18/20 15:16	01/13/21 18:57	1
Dalapon	ND	H	2.0	0.91 ug/L		12/18/20 15:16	01/13/21 18:57	1
Dicamba	ND	*+ H	2.0	0.43 ug/L		12/18/20 15:16	01/13/21 18:57	1
Dichlorprop	ND	*+ H	4.0	0.65 ug/L		12/18/20 15:16	01/13/21 18:57	1
Dinoseb	ND	H	0.99	0.45 ug/L		12/18/20 15:16	01/13/21 18:57	1
MCPA	ND	H	400	47 ug/L		12/18/20 15:16	01/13/21 18:57	1
MCPP	ND	H	400	33 ug/L		12/18/20 15:16	01/13/21 18:57	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-9-W-12

Lab Sample ID: 580-99774-1

Date Collected: 12/09/20 09:26

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND	*+ H	0.50	0.24 ug/L		12/18/20 15:16	01/13/21 18:57	1
Silvex (2,4,5-TP)	ND	*+ H	0.99	0.17 ug/L		12/18/20 15:16	01/13/21 18:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	148	S1+	39 - 135			12/18/20 15:16	01/13/21 18:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.17	B	0.12	0.068 mg/L		12/22/20 11:38	12/23/20 22:37	1
Motor Oil (>C24-C36)	0.20	J	0.37	0.10 mg/L		12/22/20 11:38	12/23/20 22:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150			12/22/20 11:38	12/23/20 22:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 13:42	5
Barium	0.031		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 13:42	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 13:42	5
Chromium	0.00098	J	0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 13:42	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 13:42	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 13:42	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 13:42	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		9.0	1.4 mg/L			12/22/20 05:42	10
Sulfate	880		12	2.6 mg/L			12/22/20 05:42	10
Ammonia as N	1.4		0.10	0.022 mg/L			12/18/20 14:12	1
Nitrate Nitrite as N	2.1	B	0.10	0.019 mg/L			12/22/20 18:04	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-10-W-12

Lab Sample ID: 580-99774-2

Date Collected: 12/09/20 10:43

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/17/20 13:29	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/17/20 13:29	1
1,1,2,2-Tetrachloroethane	ND	*1	0.20	0.056 ug/L			12/17/20 13:29	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/17/20 13:29	1
1,1-Dichloroethane	0.15	J	0.20	0.025 ug/L			12/17/20 13:29	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/17/20 13:29	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/17/20 13:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/17/20 13:29	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/17/20 13:29	1
1,2,4-Trimethylbenzene	ND	*1	0.30	0.072 ug/L			12/17/20 13:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/17/20 13:29	1
1,2-Dichlorobenzene	ND	*1	0.30	0.038 ug/L			12/17/20 13:29	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/17/20 13:29	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/17/20 13:29	1
1,3,5-Trimethylbenzene	ND	*1	0.50	0.15 ug/L			12/17/20 13:29	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 13:29	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/17/20 13:29	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 13:29	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/17/20 13:29	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/17/20 13:29	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/17/20 13:29	1
Benzene	ND		0.20	0.030 ug/L			12/17/20 13:29	1
Bromobenzene	ND		0.20	0.038 ug/L			12/17/20 13:29	1
Bromoform	ND		0.50	0.16 ug/L			12/17/20 13:29	1
Bromomethane	ND		0.50	0.062 ug/L			12/17/20 13:29	1
Carbon tetrachloride	ND	*1	0.20	0.025 ug/L			12/17/20 13:29	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/17/20 13:29	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/17/20 13:29	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/17/20 13:29	1
Chloroethane	ND	*-	0.50	0.096 ug/L			12/17/20 13:29	1
Chloroform	ND		0.20	0.030 ug/L			12/17/20 13:29	1
Chloromethane	ND	*-	0.50	0.068 ug/L			12/17/20 13:29	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/17/20 13:29	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/17/20 13:29	1
Dibromomethane	ND		0.20	0.062 ug/L			12/17/20 13:29	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/17/20 13:29	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/17/20 13:29	1
Ethylbenzene	0.032	J	0.20	0.030 ug/L			12/17/20 13:29	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/17/20 13:29	1
Isopropylbenzene	ND	*1	1.0	0.19 ug/L			12/17/20 13:29	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/17/20 13:29	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/17/20 13:29	1
m-Xylene & p-Xylene	0.13	J	0.50	0.12 ug/L			12/17/20 13:29	1
Naphthalene	ND		1.0	0.22 ug/L			12/17/20 13:29	1
n-Butylbenzene	ND	*1	1.0	0.23 ug/L			12/17/20 13:29	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/17/20 13:29	1
o-Xylene	ND		0.50	0.15 ug/L			12/17/20 13:29	1
sec-Butylbenzene	ND	*1	1.0	0.17 ug/L			12/17/20 13:29	1
Styrene	ND		1.0	0.19 ug/L			12/17/20 13:29	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-10-W-12

Lab Sample ID: 580-99774-2

Date Collected: 12/09/20 10:43

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	*1	0.50	0.26 ug/L			12/17/20 13:29	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/17/20 13:29	1
Toluene	ND		0.20	0.050 ug/L			12/17/20 13:29	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/17/20 13:29	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/17/20 13:29	1
Trichloroethene	ND		0.20	0.066 ug/L			12/17/20 13:29	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/17/20 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		12/17/20 13:29	1
4-Bromofluorobenzene (Surr)	91		80 - 120		12/17/20 13:29	1
Dibromofluoromethane (Surr)	111		80 - 120		12/17/20 13:29	1
Toluene-d8 (Surr)	103		80 - 120		12/17/20 13:29	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/20/20 15:46	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/20/20 15:46	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/20/20 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		12/20/20 15:46	1
4-Bromofluorobenzene (Surr)	93		80 - 120		12/20/20 15:46	1
Dibromofluoromethane (Surr)	108		80 - 120		12/20/20 15:46	1
Toluene-d8 (Surr)	101		80 - 120		12/20/20 15:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/16/20 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150		12/16/20 03:44	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/21/20 15:26	12/22/20 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	108		60 - 140	12/21/20 15:26	12/22/20 19:46	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+ H	0.97	0.44 ug/L		12/18/20 15:16	01/13/21 19:19	1
2,4-D	ND	*+ H	3.9	0.51 ug/L		12/18/20 15:16	01/13/21 19:19	1
2,4-DB	ND	H	3.9	0.73 ug/L		12/18/20 15:16	01/13/21 19:19	1
Dalapon	ND	H	1.9	0.89 ug/L		12/18/20 15:16	01/13/21 19:19	1
Dicamba	ND	*+ H	1.9	0.42 ug/L		12/18/20 15:16	01/13/21 19:19	1
Dichlorprop	ND	H	3.9	0.63 ug/L		12/18/20 15:16	01/13/21 19:19	1
Dinoseb	ND	H	0.97	0.44 ug/L		12/18/20 15:16	01/13/21 19:19	1
MCPA	ND	H	390	46 ug/L		12/18/20 15:16	01/13/21 19:19	1
MCPP	ND	H	390	32 ug/L		12/18/20 15:16	01/13/21 19:19	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-10-W-12

Lab Sample ID: 580-99774-2

Date Collected: 12/09/20 10:43

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND	*+ H	0.49	0.23 ug/L		12/18/20 15:16	01/13/21 19:19	1
Silvex (2,4,5-TP)	ND	*+ H	0.97	0.17 ug/L		12/18/20 15:16	01/13/21 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	161	S1+	39 - 135	12/18/20 15:16	01/13/21 19:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.14	B	0.12	0.071 mg/L		12/22/20 11:38	12/23/20 23:18	1
Motor Oil (>C24-C36)	0.13	J	0.38	0.11 mg/L		12/22/20 11:38	12/23/20 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150	12/22/20 11:38	12/23/20 23:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 14:22	5
Barium	0.039		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 14:22	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 14:22	5
Chromium	ND		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 14:22	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 14:22	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 14:22	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 14:22	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		9.0	1.4 mg/L			12/22/20 06:29	10
Sulfate	640		12	2.6 mg/L			12/22/20 06:29	10
Ammonia as N	0.97		0.10	0.022 mg/L			12/18/20 14:26	1
Nitrate Nitrite as N	0.69	B	0.10	0.019 mg/L			12/22/20 18:18	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-7-W-16

Lab Sample ID: 580-99774-3

Date Collected: 12/09/20 08:25

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/17/20 13:55	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/17/20 13:55	1
1,1,2,2-Tetrachloroethane	ND	*1	0.20	0.056 ug/L			12/17/20 13:55	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/17/20 13:55	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/17/20 13:55	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/17/20 13:55	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/17/20 13:55	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/17/20 13:55	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/17/20 13:55	1
1,2,4-Trimethylbenzene	ND	*1	0.30	0.072 ug/L			12/17/20 13:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/17/20 13:55	1
1,2-Dichlorobenzene	ND	*1	0.30	0.038 ug/L			12/17/20 13:55	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/17/20 13:55	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/17/20 13:55	1
1,3,5-Trimethylbenzene	ND	*1	0.50	0.15 ug/L			12/17/20 13:55	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 13:55	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/17/20 13:55	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 13:55	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/17/20 13:55	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/17/20 13:55	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/17/20 13:55	1
Benzene	ND		0.20	0.030 ug/L			12/17/20 13:55	1
Bromobenzene	ND		0.20	0.038 ug/L			12/17/20 13:55	1
Bromoform	ND		0.50	0.16 ug/L			12/17/20 13:55	1
Bromomethane	ND		0.50	0.062 ug/L			12/17/20 13:55	1
Carbon tetrachloride	ND	*1	0.20	0.025 ug/L			12/17/20 13:55	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/17/20 13:55	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/17/20 13:55	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/17/20 13:55	1
Chloroethane	ND	*-	0.50	0.096 ug/L			12/17/20 13:55	1
Chloroform	ND		0.20	0.030 ug/L			12/17/20 13:55	1
Chloromethane	ND	*-	0.50	0.068 ug/L			12/17/20 13:55	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/17/20 13:55	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/17/20 13:55	1
Dibromomethane	ND		0.20	0.062 ug/L			12/17/20 13:55	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/17/20 13:55	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/17/20 13:55	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/17/20 13:55	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/17/20 13:55	1
Isopropylbenzene	ND	*1	1.0	0.19 ug/L			12/17/20 13:55	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/17/20 13:55	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/17/20 13:55	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/17/20 13:55	1
Naphthalene	ND		1.0	0.22 ug/L			12/17/20 13:55	1
n-Butylbenzene	ND	*1	1.0	0.23 ug/L			12/17/20 13:55	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/17/20 13:55	1
o-Xylene	ND		0.50	0.15 ug/L			12/17/20 13:55	1
sec-Butylbenzene	ND	*1	1.0	0.17 ug/L			12/17/20 13:55	1
Styrene	ND		1.0	0.19 ug/L			12/17/20 13:55	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-7-W-16

Lab Sample ID: 580-99774-3

Date Collected: 12/09/20 08:25

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	*1	0.50	0.26 ug/L			12/17/20 13:55	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/17/20 13:55	1
Toluene	ND		0.20	0.050 ug/L			12/17/20 13:55	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/17/20 13:55	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/17/20 13:55	1
Trichloroethene	ND		0.20	0.066 ug/L			12/17/20 13:55	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/17/20 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		12/17/20 13:55	1
4-Bromofluorobenzene (Surr)	92		80 - 120		12/17/20 13:55	1
Dibromofluoromethane (Surr)	107		80 - 120		12/17/20 13:55	1
Toluene-d8 (Surr)	99		80 - 120		12/17/20 13:55	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/20/20 16:10	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/20/20 16:10	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/20/20 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		12/20/20 16:10	1
4-Bromofluorobenzene (Surr)	94		80 - 120		12/20/20 16:10	1
Dibromofluoromethane (Surr)	109		80 - 120		12/20/20 16:10	1
Toluene-d8 (Surr)	106		80 - 120		12/20/20 16:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/16/20 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		50 - 150		12/16/20 04:08	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0099	0.0020 ug/L		12/21/20 15:26	12/22/20 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	110		60 - 140	12/21/20 15:26	12/22/20 20:02	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+ H	0.96	0.44 ug/L		12/18/20 15:16	01/13/21 19:38	1
2,4-D	ND	*+ H	3.9	0.51 ug/L		12/18/20 15:16	01/13/21 19:38	1
2,4-DB	ND	H	3.9	0.72 ug/L		12/18/20 15:16	01/13/21 19:38	1
Dalapon	ND	H	1.9	0.88 ug/L		12/18/20 15:16	01/13/21 19:38	1
Dicamba	ND	*+ H	1.9	0.42 ug/L		12/18/20 15:16	01/13/21 19:38	1
Dichlorprop	ND	*+ H	3.9	0.63 ug/L		12/18/20 15:16	01/13/21 19:38	1
Dinoseb	ND	H	0.96	0.43 ug/L		12/18/20 15:16	01/13/21 19:38	1
MCPA	ND	H	390	46 ug/L		12/18/20 15:16	01/13/21 19:38	1
MCPP	ND	H	390	32 ug/L		12/18/20 15:16	01/13/21 19:38	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-7-W-16

Lab Sample ID: 580-99774-3

Date Collected: 12/09/20 08:25

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	1.0	*+ H	0.48	0.23 ug/L		12/18/20 15:16	01/13/21 19:38	1
Silvex (2,4,5-TP)	ND	*+ H	0.96	0.16 ug/L		12/18/20 15:16	01/13/21 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	177	S1+	39 - 135			12/18/20 15:16	01/13/21 19:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.12	B	0.11	0.067 mg/L		12/22/20 11:38	12/23/20 23:38	1
Motor Oil (>C24-C36)	0.13	J	0.36	0.10 mg/L		12/22/20 11:38	12/23/20 23:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150			12/22/20 11:38	12/23/20 23:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 14:26	5
Barium	0.067		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 14:26	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 14:26	5
Chromium	ND		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 14:26	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 14:26	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 14:26	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 14:26	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67		0.90	0.14 mg/L			12/22/20 06:40	1
Sulfate	290		12	2.6 mg/L			12/22/20 06:52	10
Ammonia as N	20		0.10	0.022 mg/L			12/18/20 14:28	1
Nitrate Nitrite as N	14	B	0.20	0.038 mg/L			12/22/20 18:20	2

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-11-W-12

Lab Sample ID: 580-99774-4

Date Collected: 12/09/20 13:21

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/17/20 14:21	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/17/20 14:21	1
1,1,2,2-Tetrachloroethane	ND	*1	0.20	0.056 ug/L			12/17/20 14:21	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/17/20 14:21	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/17/20 14:21	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/17/20 14:21	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/17/20 14:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/17/20 14:21	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/17/20 14:21	1
1,2,4-Trimethylbenzene	ND	*1	0.30	0.072 ug/L			12/17/20 14:21	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/17/20 14:21	1
1,2-Dichlorobenzene	ND	*1	0.30	0.038 ug/L			12/17/20 14:21	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/17/20 14:21	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/17/20 14:21	1
1,3,5-Trimethylbenzene	ND	*1	0.50	0.15 ug/L			12/17/20 14:21	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 14:21	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/17/20 14:21	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 14:21	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/17/20 14:21	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/17/20 14:21	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/17/20 14:21	1
Benzene	ND		0.20	0.030 ug/L			12/17/20 14:21	1
Bromobenzene	ND		0.20	0.038 ug/L			12/17/20 14:21	1
Bromoform	ND		0.50	0.16 ug/L			12/17/20 14:21	1
Bromomethane	ND		0.50	0.062 ug/L			12/17/20 14:21	1
Carbon tetrachloride	ND	*1	0.20	0.025 ug/L			12/17/20 14:21	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/17/20 14:21	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/17/20 14:21	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/17/20 14:21	1
Chloroethane	ND	*-	0.50	0.096 ug/L			12/17/20 14:21	1
Chloroform	ND		0.20	0.030 ug/L			12/17/20 14:21	1
Chloromethane	ND	*-	0.50	0.068 ug/L			12/17/20 14:21	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/17/20 14:21	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/17/20 14:21	1
Dibromomethane	ND		0.20	0.062 ug/L			12/17/20 14:21	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/17/20 14:21	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/17/20 14:21	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/17/20 14:21	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/17/20 14:21	1
Isopropylbenzene	ND	*1	1.0	0.19 ug/L			12/17/20 14:21	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/17/20 14:21	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/17/20 14:21	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/17/20 14:21	1
Naphthalene	ND		1.0	0.22 ug/L			12/17/20 14:21	1
n-Butylbenzene	ND	*1	1.0	0.23 ug/L			12/17/20 14:21	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/17/20 14:21	1
o-Xylene	ND		0.50	0.15 ug/L			12/17/20 14:21	1
sec-Butylbenzene	ND	*1	1.0	0.17 ug/L			12/17/20 14:21	1
Styrene	ND		1.0	0.19 ug/L			12/17/20 14:21	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-11-W-12

Lab Sample ID: 580-99774-4

Date Collected: 12/09/20 13:21

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	*1	0.50	0.26 ug/L			12/17/20 14:21	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/17/20 14:21	1
Toluene	ND		0.20	0.050 ug/L			12/17/20 14:21	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/17/20 14:21	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/17/20 14:21	1
Trichloroethene	ND		0.20	0.066 ug/L			12/17/20 14:21	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/17/20 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		12/17/20 14:21	1
4-Bromofluorobenzene (Surr)	95		80 - 120		12/17/20 14:21	1
Dibromofluoromethane (Surr)	105		80 - 120		12/17/20 14:21	1
Toluene-d8 (Surr)	97		80 - 120		12/17/20 14:21	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/20/20 16:35	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/20/20 16:35	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/20/20 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		12/20/20 16:35	1
4-Bromofluorobenzene (Surr)	91		80 - 120		12/20/20 16:35	1
Dibromofluoromethane (Surr)	106		80 - 120		12/20/20 16:35	1
Toluene-d8 (Surr)	103		80 - 120		12/20/20 16:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/16/20 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150		12/16/20 04:33	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/21/20 15:26	12/22/20 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	112		60 - 140	12/21/20 15:26	12/22/20 20:18	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	H	2.2	0.99 ug/L		12/18/20 15:16	01/17/21 13:31	2
2,4-D	ND	H	8.7	1.1 ug/L		12/18/20 15:16	01/17/21 13:31	2
2,4-DB	ND	H	8.7	1.6 ug/L		12/18/20 15:16	01/17/21 13:31	2
Dalapon	ND	H	4.4	2.0 ug/L		12/18/20 15:16	01/17/21 13:31	2
Dicamba	ND	H	4.4	0.95 ug/L		12/18/20 15:16	01/17/21 13:31	2
Dichlorprop	ND	H	8.7	1.4 ug/L		12/18/20 15:16	01/17/21 13:31	2
Dinoseb	ND	H	2.2	0.98 ug/L		12/18/20 15:16	01/17/21 13:31	2
MCPA	ND	H	870	100 ug/L		12/18/20 15:16	01/17/21 13:31	2
MCPP	ND	*+ H	870	72 ug/L		12/18/20 15:16	01/17/21 13:31	2

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-11-W-12

Lab Sample ID: 580-99774-4

Date Collected: 12/09/20 13:21

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND	H	1.1	0.52 ug/L		12/18/20 15:16	01/17/21 13:31	2
Silvex (2,4,5-TP)	ND	H	2.2	0.37 ug/L		12/18/20 15:16	01/17/21 13:31	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	86		39 - 135			12/18/20 15:16	01/17/21 13:31	2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.073	J B	0.11	0.067 mg/L		12/22/20 11:38	12/23/20 23:58	1
Motor Oil (>C24-C36)	ND		0.36	0.099 mg/L		12/22/20 11:38	12/23/20 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150			12/22/20 11:38	12/23/20 23:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.031		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 14:30	5
Barium	0.39		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 14:30	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 14:30	5
Chromium	0.016		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 14:30	5
Lead	0.0099		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 14:30	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 14:30	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 14:30	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		9.0	1.4 mg/L			12/22/20 07:15	10
Sulfate	410		12	2.6 mg/L			12/22/20 07:15	10
Ammonia as N	ND		10	2.2 mg/L			12/18/20 14:30	100
Nitrate Nitrite as N	13		0.20	0.038 mg/L			12/22/20 21:36	2

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-18-W-12

Lab Sample ID: 580-99774-5

Date Collected: 12/09/20 07:15

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/17/20 14:46	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/17/20 14:46	1
1,1,2,2-Tetrachloroethane	ND	*1	0.20	0.056 ug/L			12/17/20 14:46	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/17/20 14:46	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/17/20 14:46	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/17/20 14:46	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/17/20 14:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/17/20 14:46	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/17/20 14:46	1
1,2,4-Trimethylbenzene	ND	*1	0.30	0.072 ug/L			12/17/20 14:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/17/20 14:46	1
1,2-Dichlorobenzene	ND	*1	0.30	0.038 ug/L			12/17/20 14:46	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/17/20 14:46	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/17/20 14:46	1
1,3,5-Trimethylbenzene	ND	*1	0.50	0.15 ug/L			12/17/20 14:46	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 14:46	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/17/20 14:46	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 14:46	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/17/20 14:46	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/17/20 14:46	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/17/20 14:46	1
Benzene	ND		0.20	0.030 ug/L			12/17/20 14:46	1
Bromobenzene	ND		0.20	0.038 ug/L			12/17/20 14:46	1
Bromoform	ND		0.50	0.16 ug/L			12/17/20 14:46	1
Bromomethane	ND		0.50	0.062 ug/L			12/17/20 14:46	1
Carbon tetrachloride	ND	*1	0.20	0.025 ug/L			12/17/20 14:46	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/17/20 14:46	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/17/20 14:46	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/17/20 14:46	1
Chloroethane	ND	*-	0.50	0.096 ug/L			12/17/20 14:46	1
Chloroform	ND		0.20	0.030 ug/L			12/17/20 14:46	1
Chloromethane	ND	*-	0.50	0.068 ug/L			12/17/20 14:46	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/17/20 14:46	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/17/20 14:46	1
Dibromomethane	ND		0.20	0.062 ug/L			12/17/20 14:46	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/17/20 14:46	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/17/20 14:46	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/17/20 14:46	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/17/20 14:46	1
Isopropylbenzene	ND	*1	1.0	0.19 ug/L			12/17/20 14:46	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/17/20 14:46	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/17/20 14:46	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/17/20 14:46	1
Naphthalene	ND		1.0	0.22 ug/L			12/17/20 14:46	1
n-Butylbenzene	ND	*1	1.0	0.23 ug/L			12/17/20 14:46	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/17/20 14:46	1
o-Xylene	ND		0.50	0.15 ug/L			12/17/20 14:46	1
sec-Butylbenzene	ND	*1	1.0	0.17 ug/L			12/17/20 14:46	1
Styrene	ND		1.0	0.19 ug/L			12/17/20 14:46	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-18-W-12

Lab Sample ID: 580-99774-5

Date Collected: 12/09/20 07:15

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	*1	0.50	0.26 ug/L			12/17/20 14:46	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/17/20 14:46	1
Toluene	ND		0.20	0.050 ug/L			12/17/20 14:46	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/17/20 14:46	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/17/20 14:46	1
Trichloroethene	ND		0.20	0.066 ug/L			12/17/20 14:46	1
Trichlorofluoromethane	ND	*- *1	0.50	0.043 ug/L			12/17/20 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		12/17/20 14:46	1
4-Bromofluorobenzene (Surr)	98		80 - 120		12/17/20 14:46	1
Dibromofluoromethane (Surr)	103		80 - 120		12/17/20 14:46	1
Toluene-d8 (Surr)	95		80 - 120		12/17/20 14:46	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/20/20 17:00	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/20/20 17:00	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/20/20 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		12/20/20 17:00	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/20/20 17:00	1
Dibromofluoromethane (Surr)	110		80 - 120		12/20/20 17:00	1
Toluene-d8 (Surr)	104		80 - 120		12/20/20 17:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/16/20 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150		12/16/20 04:57	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0021 ug/L		12/22/20 15:38	12/23/20 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	107		60 - 140	12/22/20 15:38	12/23/20 11:47	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	H	2.1	0.93 ug/L		12/18/20 15:16	01/19/21 23:07	2
2,4-D	ND	H	8.2	1.1 ug/L		12/18/20 15:16	01/19/21 23:07	2
2,4-DB	ND	H	8.2	1.5 ug/L		12/18/20 15:16	01/19/21 23:07	2
Dalapon	ND	H	4.1	1.9 ug/L		12/18/20 15:16	01/19/21 23:07	2
Dicamba	ND	H	4.1	0.89 ug/L		12/18/20 15:16	01/19/21 23:07	2
Dichlorprop	ND	H	8.2	1.3 ug/L		12/18/20 15:16	01/19/21 23:07	2
Dinoseb	ND	H	2.1	0.92 ug/L		12/18/20 15:16	01/19/21 23:07	2
MCPA	ND	H	820	98 ug/L		12/18/20 15:16	01/19/21 23:07	2
MCPP	ND	H	820	68 ug/L		12/18/20 15:16	01/19/21 23:07	2

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-18-W-12

Lab Sample ID: 580-99774-5

Date Collected: 12/09/20 07:15

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND	H	1.0	0.49 ug/L		12/18/20 15:16	01/19/21 23:07	2
Silvex (2,4,5-TP)	ND	H	2.1	0.35 ug/L		12/18/20 15:16	01/19/21 23:07	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	116	D	39 - 135			12/18/20 15:16	01/19/21 23:07	2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.088	J	0.11	0.067 mg/L		12/22/20 14:33	12/23/20 03:13	1
Motor Oil (>C24-C36)	ND		0.36	0.098 mg/L		12/22/20 14:33	12/23/20 03:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150			12/22/20 14:33	12/23/20 03:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.033		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 14:33	5
Barium	0.12		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 14:33	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 14:33	5
Chromium	0.0037	J	0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 14:33	5
Lead	0.0021	J	0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 14:33	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 14:33	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 14:33	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		9.0	1.4 mg/L			12/22/20 07:39	10
Sulfate	400		12	2.6 mg/L			12/22/20 07:39	10
Ammonia as N	0.40	J	1.0	0.22 mg/L			12/18/20 14:32	10
Nitrate Nitrite as N	14		0.20	0.038 mg/L			12/22/20 21:38	2

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-1

Lab Sample ID: 580-99774-6

Date Collected: 12/10/20 14:09

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*+	0.30	0.038 ug/L			12/19/20 05:15	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/19/20 05:15	1
1,1,2,2-Tetrachloroethane	ND	*+	0.20	0.056 ug/L			12/19/20 05:15	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/19/20 05:15	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/19/20 05:15	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/19/20 05:15	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/19/20 05:15	1
1,2,3-Trichlorobenzene	ND	*1	0.50	0.15 ug/L			12/19/20 05:15	1
1,2,3-Trichloropropane	ND	*+	0.20	0.050 ug/L			12/19/20 05:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/19/20 05:15	1
1,2-Dibromo-3-Chloropropane	ND	*1	2.0	0.44 ug/L			12/19/20 05:15	1
1,2-Dichlorobenzene	ND	*1	0.30	0.038 ug/L			12/19/20 05:15	1
1,2-Dichloroethane	0.044	J B	0.20	0.043 ug/L			12/19/20 05:15	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/19/20 05:15	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/19/20 05:15	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/19/20 05:15	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/19/20 05:15	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/19/20 05:15	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/19/20 05:15	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/19/20 05:15	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/19/20 05:15	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/19/20 05:15	1
Benzene	ND		0.20	0.030 ug/L			12/19/20 05:15	1
Bromobenzene	ND		0.20	0.038 ug/L			12/19/20 05:15	1
Bromoform	ND	*+	0.50	0.16 ug/L			12/19/20 05:15	1
Bromomethane	ND		0.50	0.062 ug/L			12/19/20 05:15	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/19/20 05:15	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/19/20 05:15	1
Chlorobromomethane	ND	*1	0.20	0.025 ug/L			12/19/20 05:15	1
Chlorodibromomethane	ND	*1	0.20	0.055 ug/L			12/19/20 05:15	1
Chloroethane	ND		0.50	0.096 ug/L			12/19/20 05:15	1
Chloroform	ND		0.20	0.030 ug/L			12/19/20 05:15	1
Chloromethane	0.17	J	0.50	0.068 ug/L			12/19/20 05:15	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/19/20 05:15	1
cis-1,3-Dichloropropane	ND		0.20	0.090 ug/L			12/19/20 05:15	1
Dibromomethane	ND		0.20	0.062 ug/L			12/19/20 05:15	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/19/20 05:15	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/19/20 05:15	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/19/20 05:15	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/19/20 05:15	1
Methyl tert-butyl ether	ND	*1	0.30	0.070 ug/L			12/19/20 05:15	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/19/20 05:15	1
Naphthalene	ND	*1	1.0	0.22 ug/L			12/19/20 05:15	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/19/20 05:15	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/19/20 05:15	1
o-Xylene	ND		0.50	0.15 ug/L			12/19/20 05:15	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/19/20 05:15	1
Styrene	ND		1.0	0.19 ug/L			12/19/20 05:15	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/19/20 05:15	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-1

Lab Sample ID: 580-99774-6

Date Collected: 12/10/20 14:09

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.50	0.084 ug/L			12/19/20 05:15	1
Toluene	ND		0.20	0.050 ug/L			12/19/20 05:15	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/19/20 05:15	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/19/20 05:15	1
Trichloroethene	ND		0.20	0.066 ug/L			12/19/20 05:15	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/19/20 05:15	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/19/20 05:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		12/19/20 05:15	1
4-Bromofluorobenzene (Surr)	117		80 - 120		12/19/20 05:15	1
Dibromofluoromethane (Surr)	105		80 - 120		12/19/20 05:15	1
Toluene-d8 (Surr)	104		80 - 120		12/19/20 05:15	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.17	J B	0.30	0.072 ug/L			12/24/20 15:26	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/24/20 15:26	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/24/20 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131	S1+	80 - 120		12/24/20 15:26	1
4-Bromofluorobenzene (Surr)	112		80 - 120		12/24/20 15:26	1
Dibromofluoromethane (Surr)	105		80 - 120		12/24/20 15:26	1
Toluene-d8 (Surr)	92		80 - 120		12/24/20 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 19:20	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	89		50 - 150		12/17/20 19:20	1		

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 12:03	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1,2-Dibromopropane	113		60 - 140		12/22/20 15:38	12/23/20 12:03	1	

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	H	2.0	0.91 ug/L		01/12/21 15:52	01/21/21 17:14	2
2,4-D	ND	H	8.0	1.1 ug/L		01/12/21 15:52	01/21/21 17:14	2
2,4-DB	ND	H	8.0	1.5 ug/L		01/12/21 15:52	01/21/21 17:14	2
Dalapon	ND	H	4.0	1.8 ug/L		01/12/21 15:52	01/21/21 17:14	2
Dicamba	ND	H	4.0	0.87 ug/L		01/12/21 15:52	01/21/21 17:14	2
Dichlorprop	ND	H	8.0	1.3 ug/L		01/12/21 15:52	01/21/21 17:14	2
Dinoseb	ND	H	2.0	0.90 ug/L		01/12/21 15:52	01/21/21 17:14	2
MCPA	ND	H	800	95 ug/L		01/12/21 15:52	01/21/21 17:14	2
MCPP	ND	H	800	66 ug/L		01/12/21 15:52	01/21/21 17:14	2

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-1

Lab Sample ID: 580-99774-6

Date Collected: 12/10/20 14:09

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND	H	1.0	0.48 ug/L		01/12/21 15:52	01/21/21 17:14	2
Silvex (2,4,5-TP)	ND	H	2.0	0.34 ug/L		01/12/21 15:52	01/21/21 17:14	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	93	D	39 - 135			01/12/21 15:52	01/21/21 17:14	2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.23		0.12	0.069 mg/L		12/22/20 14:33	12/23/20 05:10	1
Motor Oil (>C24-C36)	0.10	J	0.37	0.10 mg/L		12/22/20 14:33	12/23/20 05:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150			12/22/20 14:33	12/23/20 05:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.043		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 14:37	5
Barium	0.057		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 14:37	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 14:37	5
Chromium	ND		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 14:37	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 14:37	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 14:37	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 14:37	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25		0.90	0.14 mg/L			12/22/20 07:51	1
Sulfate	95		1.2	0.26 mg/L			12/22/20 07:51	1
Ammonia as N	0.046	J F1 F2	0.10	0.022 mg/L			12/18/20 14:40	1
Nitrate Nitrite as N	4.4	B	0.10	0.019 mg/L			12/22/20 18:32	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-2

Lab Sample ID: 580-99774-7

Date Collected: 12/10/20 15:05

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*+	0.30	0.038 ug/L			12/19/20 05:40	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/19/20 05:40	1
1,1,2,2-Tetrachloroethane	ND	*+	0.20	0.056 ug/L			12/19/20 05:40	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/19/20 05:40	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/19/20 05:40	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/19/20 05:40	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/19/20 05:40	1
1,2,3-Trichlorobenzene	ND	*1	0.50	0.15 ug/L			12/19/20 05:40	1
1,2,3-Trichloropropane	ND	*+	0.20	0.050 ug/L			12/19/20 05:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/19/20 05:40	1
1,2-Dibromo-3-Chloropropane	ND	*1	2.0	0.44 ug/L			12/19/20 05:40	1
1,2-Dichlorobenzene	ND	*1	0.30	0.038 ug/L			12/19/20 05:40	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/19/20 05:40	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/19/20 05:40	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/19/20 05:40	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/19/20 05:40	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/19/20 05:40	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/19/20 05:40	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/19/20 05:40	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/19/20 05:40	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/19/20 05:40	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/19/20 05:40	1
Benzene	ND		0.20	0.030 ug/L			12/19/20 05:40	1
Bromobenzene	ND		0.20	0.038 ug/L			12/19/20 05:40	1
Bromoform	ND	*+	0.50	0.16 ug/L			12/19/20 05:40	1
Bromomethane	ND		0.50	0.062 ug/L			12/19/20 05:40	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/19/20 05:40	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/19/20 05:40	1
Chlorobromomethane	ND	*1	0.20	0.025 ug/L			12/19/20 05:40	1
Chlorodibromomethane	ND	*1	0.20	0.055 ug/L			12/19/20 05:40	1
Chloroethane	ND		0.50	0.096 ug/L			12/19/20 05:40	1
Chloroform	ND		0.20	0.030 ug/L			12/19/20 05:40	1
Chloromethane	0.21	J	0.50	0.068 ug/L			12/19/20 05:40	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/19/20 05:40	1
cis-1,3-Dichloropropane	ND		0.20	0.090 ug/L			12/19/20 05:40	1
Dibromomethane	ND		0.20	0.062 ug/L			12/19/20 05:40	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/19/20 05:40	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/19/20 05:40	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/19/20 05:40	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/19/20 05:40	1
Methyl tert-butyl ether	ND	*1	0.30	0.070 ug/L			12/19/20 05:40	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/19/20 05:40	1
Naphthalene	ND	*1	1.0	0.22 ug/L			12/19/20 05:40	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/19/20 05:40	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/19/20 05:40	1
o-Xylene	ND		0.50	0.15 ug/L			12/19/20 05:40	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/19/20 05:40	1
Styrene	ND		1.0	0.19 ug/L			12/19/20 05:40	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/19/20 05:40	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-2

Lab Sample ID: 580-99774-7

Date Collected: 12/10/20 15:05

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.50	0.084 ug/L			12/19/20 05:40	1
Toluene	ND		0.20	0.050 ug/L			12/19/20 05:40	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/19/20 05:40	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/19/20 05:40	1
Trichloroethene	ND		0.20	0.066 ug/L			12/19/20 05:40	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/19/20 05:40	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/19/20 05:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		80 - 120		12/19/20 05:40	1
4-Bromofluorobenzene (Surr)	90		80 - 120		12/19/20 05:40	1
Dibromofluoromethane (Surr)	103		80 - 120		12/19/20 05:40	1
Toluene-d8 (Surr)	89		80 - 120		12/19/20 05:40	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.17	J B	0.30	0.072 ug/L			12/24/20 15:51	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/24/20 15:51	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/24/20 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127	S1+	80 - 120		12/24/20 15:51	1
4-Bromofluorobenzene (Surr)	110		80 - 120		12/24/20 15:51	1
Dibromofluoromethane (Surr)	105		80 - 120		12/24/20 15:51	1
Toluene-d8 (Surr)	87		80 - 120		12/24/20 15:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 21:22	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	88		50 - 150		12/17/20 21:22	1		

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 12:19	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1,2-Dibromopropane	107		60 - 140		12/22/20 15:38	12/23/20 12:19	1	

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*- *1	2.0	0.92 ug/L		12/17/20 16:00	01/17/21 21:45	2
2,4-D	ND	*- *1	8.1	1.1 ug/L		12/17/20 16:00	01/17/21 21:45	2
2,4-DB	ND	*- *1	8.1	1.5 ug/L		12/17/20 16:00	01/17/21 21:45	2
Dalapon	ND	*1	4.0	1.8 ug/L		12/17/20 16:00	01/17/21 21:45	2
Dicamba	ND	*- *1	4.0	0.88 ug/L		12/17/20 16:00	01/17/21 21:45	2
Dichlorprop	ND	*- *1	8.1	1.3 ug/L		12/17/20 16:00	01/17/21 21:45	2
Dinoseb	ND	*- *1	2.0	0.91 ug/L		12/17/20 16:00	01/17/21 21:45	2
MCPA	ND	*- *1	810	96 ug/L		12/17/20 16:00	01/17/21 21:45	2
MCPP	ND	*- *1	810	67 ug/L		12/17/20 16:00	01/17/21 21:45	2

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-2

Lab Sample ID: 580-99774-7

Date Collected: 12/10/20 15:05

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND	*- *1	1.0	0.48 ug/L		12/17/20 16:00	01/17/21 21:45	2
Silvex (2,4,5-TP)	ND	*- *1	2.0	0.34 ug/L		12/17/20 16:00	01/17/21 21:45	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	25	S1- D	39 - 135	12/17/20 16:00	01/17/21 21:45	2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.69		0.12	0.069 mg/L		12/22/20 14:33	12/23/20 05:29	1
Motor Oil (>C24-C36)	0.21	J	0.37	0.10 mg/L		12/22/20 14:33	12/23/20 05:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	84		50 - 150	12/22/20 14:33	12/23/20 05:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.048		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 14:41	5
Barium	0.043		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 14:41	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 14:41	5
Chromium	ND		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 14:41	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 14:41	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 14:41	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 14:41	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49		0.90	0.14 mg/L			12/22/20 08:14	1
Sulfate	220		12	2.6 mg/L			12/22/20 08:49	10
Ammonia as N	0.033	J	0.10	0.022 mg/L			12/18/20 14:58	1
Nitrate Nitrite as N	3.4	B	0.10	0.019 mg/L			12/22/20 18:34	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-3

Lab Sample ID: 580-99774-8

Date Collected: 12/11/20 09:27

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/22/20 18:20	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/22/20 18:20	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/22/20 18:20	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/22/20 18:20	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/22/20 18:20	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/22/20 18:20	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/22/20 18:20	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/22/20 18:20	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/22/20 18:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/22/20 18:20	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/22/20 18:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/22/20 18:20	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/22/20 18:20	1
1,2-Dichloroethane	0.080	J	0.20	0.043 ug/L			12/22/20 18:20	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/22/20 18:20	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/22/20 18:20	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 18:20	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/22/20 18:20	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 18:20	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/22/20 18:20	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/22/20 18:20	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/22/20 18:20	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/22/20 18:20	1
Benzene	ND		0.20	0.030 ug/L			12/22/20 18:20	1
Bromobenzene	ND		0.20	0.038 ug/L			12/22/20 18:20	1
Bromoform	ND		0.50	0.16 ug/L			12/22/20 18:20	1
Bromomethane	ND		0.50	0.062 ug/L			12/22/20 18:20	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/22/20 18:20	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/22/20 18:20	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/22/20 18:20	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/22/20 18:20	1
Chloroethane	ND	*	0.50	0.096 ug/L			12/22/20 18:20	1
Chloroform	ND		0.20	0.030 ug/L			12/22/20 18:20	1
Chloromethane	ND	*	0.50	0.068 ug/L			12/22/20 18:20	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/22/20 18:20	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/22/20 18:20	1
Dibromomethane	ND		0.20	0.062 ug/L			12/22/20 18:20	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/22/20 18:20	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/22/20 18:20	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/22/20 18:20	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/22/20 18:20	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/22/20 18:20	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/22/20 18:20	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/22/20 18:20	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/22/20 18:20	1
Naphthalene	ND		1.0	0.22 ug/L			12/22/20 18:20	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/22/20 18:20	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/22/20 18:20	1
o-Xylene	ND		0.50	0.15 ug/L			12/22/20 18:20	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-3

Lab Sample ID: 580-99774-8

Date Collected: 12/11/20 09:27

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/22/20 18:20	1
Styrene	ND		1.0	0.19 ug/L			12/22/20 18:20	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/22/20 18:20	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/22/20 18:20	1
Toluene	ND		0.20	0.050 ug/L			12/22/20 18:20	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/22/20 18:20	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/22/20 18:20	1
Trichloroethene	ND		0.20	0.066 ug/L			12/22/20 18:20	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/22/20 18:20	1
Vinyl chloride	ND	*-	0.020	0.013 ug/L			12/22/20 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		12/22/20 18:20	1
4-Bromofluorobenzene (Surr)	98		80 - 120		12/22/20 18:20	1
Dibromofluoromethane (Surr)	104		80 - 120		12/22/20 18:20	1
Toluene-d8 (Surr)	98		80 - 120		12/22/20 18:20	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	H	0.50	0.096 ug/L			12/30/20 04:47	1
Chloromethane	0.095	J H	0.50	0.068 ug/L			12/30/20 04:47	1
Vinyl chloride	ND	H	0.020	0.013 ug/L			12/30/20 04:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		12/30/20 04:47	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/30/20 04:47	1
Dibromofluoromethane (Surr)	98		80 - 120		12/30/20 04:47	1
Toluene-d8 (Surr)	98		80 - 120		12/30/20 04:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150		12/17/20 21:46	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	110		60 - 140	12/22/20 15:38	12/23/20 12:34	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	1.0	0.46 ug/L		12/18/20 15:16	01/13/21 20:35	1
2,4-D	ND	*+	4.0	0.53 ug/L		12/18/20 15:16	01/13/21 20:35	1
2,4-DB	ND		4.0	0.75 ug/L		12/18/20 15:16	01/13/21 20:35	1
Dalapon	ND		2.0	0.91 ug/L		12/18/20 15:16	01/13/21 20:35	1
Dicamba	ND	*+	2.0	0.44 ug/L		12/18/20 15:16	01/13/21 20:35	1
Dichlorprop	ND	*+	4.0	0.65 ug/L		12/18/20 15:16	01/13/21 20:35	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-3

Lab Sample ID: 580-99774-8

Date Collected: 12/11/20 09:27

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb	ND		1.0	0.45 ug/L		12/18/20 15:16	01/13/21 20:35	1
MCPA	ND	*+ *1	400	48 ug/L		12/18/20 15:16	01/13/21 20:35	1
MCPP	ND		400	33 ug/L		12/18/20 15:16	01/13/21 20:35	1
Picloram	ND	*+	0.50	0.24 ug/L		12/18/20 15:16	01/13/21 20:35	1
Silvex (2,4,5-TP)	ND	*+	1.0	0.17 ug/L		12/18/20 15:16	01/13/21 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	155	S1+	39 - 135	12/18/20 15:16	01/13/21 20:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.94		0.12	0.068 mg/L		12/22/20 15:36	12/23/20 07:08	1
Motor Oil (>C24-C36)	0.36	J	0.37	0.10 mg/L		12/22/20 15:36	12/23/20 07:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150	12/22/20 15:36	12/23/20 07:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.050		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 14:44	5
Barium	0.030		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 14:44	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 14:44	5
Chromium	ND		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 14:44	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 14:44	5
Selenium	0.015	J	0.040	0.010 mg/L		12/17/20 19:33	12/18/20 14:44	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 14:44	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61		0.90	0.14 mg/L			12/22/20 09:01	1
Sulfate	390		12	2.6 mg/L			12/22/20 09:12	10
Ammonia as N	0.036	J	0.10	0.022 mg/L			12/18/20 15:00	1
Nitrate Nitrite as N	5.9	B	0.10	0.019 mg/L			12/22/20 18:36	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-4

Lab Sample ID: 580-99774-9

Date Collected: 12/11/20 10:42

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/22/20 18:46	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/22/20 18:46	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/22/20 18:46	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/22/20 18:46	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/22/20 18:46	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/22/20 18:46	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/22/20 18:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/22/20 18:46	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/22/20 18:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/22/20 18:46	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/22/20 18:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/22/20 18:46	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/22/20 18:46	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/22/20 18:46	1
1,2-Dichloropropane	55		0.20	0.060 ug/L			12/22/20 18:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/22/20 18:46	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 18:46	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/22/20 18:46	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 18:46	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/22/20 18:46	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/22/20 18:46	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/22/20 18:46	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/22/20 18:46	1
Benzene	ND		0.20	0.030 ug/L			12/22/20 18:46	1
Bromobenzene	ND		0.20	0.038 ug/L			12/22/20 18:46	1
Bromoform	ND		0.50	0.16 ug/L			12/22/20 18:46	1
Bromomethane	ND		0.50	0.062 ug/L			12/22/20 18:46	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/22/20 18:46	1
Chlorobenzene	0.052 J B		0.20	0.025 ug/L			12/22/20 18:46	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/22/20 18:46	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/22/20 18:46	1
Chloroethane	ND	*	0.50	0.096 ug/L			12/22/20 18:46	1
Chloroform	ND		0.20	0.030 ug/L			12/22/20 18:46	1
Chloromethane	ND	*	0.50	0.068 ug/L			12/22/20 18:46	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/22/20 18:46	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/22/20 18:46	1
Dibromomethane	ND		0.20	0.062 ug/L			12/22/20 18:46	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/22/20 18:46	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/22/20 18:46	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/22/20 18:46	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/22/20 18:46	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/22/20 18:46	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/22/20 18:46	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/22/20 18:46	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/22/20 18:46	1
Naphthalene	ND		1.0	0.22 ug/L			12/22/20 18:46	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/22/20 18:46	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/22/20 18:46	1
o-Xylene	ND		0.50	0.15 ug/L			12/22/20 18:46	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-4

Lab Sample ID: 580-99774-9

Date Collected: 12/11/20 10:42

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/22/20 18:46	1
Styrene	ND		1.0	0.19 ug/L			12/22/20 18:46	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/22/20 18:46	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/22/20 18:46	1
Toluene	ND		0.20	0.050 ug/L			12/22/20 18:46	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/22/20 18:46	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/22/20 18:46	1
Trichloroethene	ND		0.20	0.066 ug/L			12/22/20 18:46	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/22/20 18:46	1
Vinyl chloride	ND	*-	0.020	0.013 ug/L			12/22/20 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		12/22/20 18:46	1
4-Bromofluorobenzene (Surr)	95		80 - 120		12/22/20 18:46	1
Dibromofluoromethane (Surr)	106		80 - 120		12/22/20 18:46	1
Toluene-d8 (Surr)	99		80 - 120		12/22/20 18:46	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	H	0.50	0.096 ug/L			12/30/20 05:12	1
Chloromethane	0.19	J H	0.50	0.068 ug/L			12/30/20 05:12	1
Vinyl chloride	ND	H	0.020	0.013 ug/L			12/30/20 05:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		12/30/20 05:12	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/30/20 05:12	1
Dibromofluoromethane (Surr)	98		80 - 120		12/30/20 05:12	1
Toluene-d8 (Surr)	98		80 - 120		12/30/20 05:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150		12/17/20 22:11	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	109		60 - 140	12/22/20 15:38	12/23/20 12:50	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	1.0	0.47 ug/L		12/18/20 15:16	01/13/21 20:54	1
2,4-D	ND	*+	4.1	0.54 ug/L		12/18/20 15:16	01/13/21 20:54	1
2,4-DB	ND		4.1	0.76 ug/L		12/18/20 15:16	01/13/21 20:54	1
Dalapon	ND		2.0	0.93 ug/L		12/18/20 15:16	01/13/21 20:54	1
Dicamba	ND		2.0	0.45 ug/L		12/18/20 15:16	01/13/21 20:54	1
Dichlorprop	ND	*+	4.1	0.67 ug/L		12/18/20 15:16	01/13/21 20:54	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-4

Lab Sample ID: 580-99774-9

Date Collected: 12/11/20 10:42

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb	ND		1.0	0.46 ug/L		12/18/20 15:16	01/13/21 20:54	1
MCPA	ND	*+ *1	410	49 ug/L		12/18/20 15:16	01/13/21 20:54	1
MCPP	ND		410	34 ug/L		12/18/20 15:16	01/13/21 20:54	1
Picloram	ND	*+	0.51	0.25 ug/L		12/18/20 15:16	01/13/21 20:54	1
Silvex (2,4,5-TP)	ND	*+	1.0	0.17 ug/L		12/18/20 15:16	01/13/21 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	133		39 - 135	12/18/20 15:16	01/13/21 20:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.19		0.12	0.070 mg/L		12/23/20 10:57	12/28/20 20:05	1
Motor Oil (>C24-C36)	0.10	J	0.38	0.10 mg/L		12/23/20 10:57	12/28/20 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150	12/23/20 10:57	12/28/20 20:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.029		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 14:48	5
Barium	0.045		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 14:48	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 14:48	5
Chromium	ND		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 14:48	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 14:48	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 14:48	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 14:48	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51		0.90	0.14 mg/L			12/22/20 09:24	1
Sulfate	170		12	2.6 mg/L			12/22/20 09:36	10
Ammonia as N	0.031	J	0.10	0.022 mg/L			12/18/20 15:02	1
Nitrate Nitrite as N	18	B	0.20	0.038 mg/L			12/22/20 18:50	2

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-5R

Lab Sample ID: 580-99774-10

Date Collected: 12/11/20 11:41

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/22/20 19:12	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/22/20 19:12	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/22/20 19:12	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/22/20 19:12	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/22/20 19:12	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/22/20 19:12	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/22/20 19:12	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/22/20 19:12	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/22/20 19:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/22/20 19:12	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/22/20 19:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/22/20 19:12	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/22/20 19:12	1
1,2-Dichloroethane	1.8		0.20	0.043 ug/L			12/22/20 19:12	1
1,2-Dichloropropane	0.15 J		0.20	0.060 ug/L			12/22/20 19:12	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/22/20 19:12	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 19:12	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/22/20 19:12	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 19:12	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/22/20 19:12	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/22/20 19:12	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/22/20 19:12	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/22/20 19:12	1
Benzene	ND		0.20	0.030 ug/L			12/22/20 19:12	1
Bromobenzene	ND		0.20	0.038 ug/L			12/22/20 19:12	1
Bromoform	ND		0.50	0.16 ug/L			12/22/20 19:12	1
Bromomethane	ND		0.50	0.062 ug/L			12/22/20 19:12	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/22/20 19:12	1
Chlorobenzene	0.043 J B		0.20	0.025 ug/L			12/22/20 19:12	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/22/20 19:12	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/22/20 19:12	1
Chloroethane	ND	*	0.50	0.096 ug/L			12/22/20 19:12	1
Chloroform	ND		0.20	0.030 ug/L			12/22/20 19:12	1
Chloromethane	ND	*	0.50	0.068 ug/L			12/22/20 19:12	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/22/20 19:12	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/22/20 19:12	1
Dibromomethane	ND		0.20	0.062 ug/L			12/22/20 19:12	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/22/20 19:12	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/22/20 19:12	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/22/20 19:12	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/22/20 19:12	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/22/20 19:12	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/22/20 19:12	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/22/20 19:12	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/22/20 19:12	1
Naphthalene	ND		1.0	0.22 ug/L			12/22/20 19:12	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/22/20 19:12	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/22/20 19:12	1
o-Xylene	ND		0.50	0.15 ug/L			12/22/20 19:12	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-5R

Lab Sample ID: 580-99774-10

Date Collected: 12/11/20 11:41

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/22/20 19:12	1
Styrene	ND		1.0	0.19 ug/L			12/22/20 19:12	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/22/20 19:12	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/22/20 19:12	1
Toluene	ND		0.20	0.050 ug/L			12/22/20 19:12	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/22/20 19:12	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/22/20 19:12	1
Trichloroethene	ND		0.20	0.066 ug/L			12/22/20 19:12	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/22/20 19:12	1
Vinyl chloride	ND	*-	0.020	0.013 ug/L			12/22/20 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		12/22/20 19:12	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/22/20 19:12	1
Dibromofluoromethane (Surr)	104		80 - 120		12/22/20 19:12	1
Toluene-d8 (Surr)	95		80 - 120		12/22/20 19:12	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	H	0.50	0.096 ug/L			12/30/20 05:36	1
Chloromethane	ND	H	0.50	0.068 ug/L			12/30/20 05:36	1
Vinyl chloride	ND	H	0.020	0.013 ug/L			12/30/20 05:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		12/30/20 05:36	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/30/20 05:36	1
Dibromofluoromethane (Surr)	98		80 - 120		12/30/20 05:36	1
Toluene-d8 (Surr)	98		80 - 120		12/30/20 05:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150		12/17/20 22:35	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	108		60 - 140	12/22/20 15:38	12/23/20 13:06	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	1.0	0.47 ug/L		12/18/20 15:16	01/13/21 21:13	1
2,4-D	ND	*+	4.2	0.55 ug/L		12/18/20 15:16	01/13/21 21:13	1
2,4-DB	ND		4.2	0.78 ug/L		12/18/20 15:16	01/13/21 21:13	1
Dalapon	1.2	J	2.1	0.95 ug/L		12/18/20 15:16	01/13/21 21:13	1
Dicamba	ND	*+	2.1	0.45 ug/L		12/18/20 15:16	01/13/21 21:13	1
Dichlorprop	ND	*+	4.2	0.68 ug/L		12/18/20 15:16	01/13/21 21:13	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-5R

Lab Sample ID: 580-99774-10

Date Collected: 12/11/20 11:41

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb	ND		1.0	0.47 ug/L		12/18/20 15:16	01/13/21 21:13	1
MCPA	ND		420	49 ug/L		12/18/20 15:16	01/13/21 21:13	1
MCPP	ND		420	34 ug/L		12/18/20 15:16	01/13/21 21:13	1
Picloram	ND	*+	0.52	0.25 ug/L		12/18/20 15:16	01/13/21 21:13	1
Silvex (2,4,5-TP)	ND	*+	1.0	0.18 ug/L		12/18/20 15:16	01/13/21 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	94		39 - 135	12/18/20 15:16	01/13/21 21:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.59		0.12	0.068 mg/L		12/23/20 10:57	12/28/20 20:25	1
Motor Oil (>C24-C36)	0.15	J	0.37	0.10 mg/L		12/23/20 10:57	12/28/20 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	12/23/20 10:57	12/28/20 20:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.065		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 14:52	5
Barium	0.036		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 14:52	5
Cadmium	0.00052	J	0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 14:52	5
Chromium	ND		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 14:52	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 14:52	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 14:52	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 14:52	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78		0.90	0.14 mg/L			12/22/20 09:48	1
Sulfate	300		12	2.6 mg/L			12/22/20 09:59	10
Ammonia as N	0.039	J	0.10	0.022 mg/L			12/18/20 15:04	1
Nitrate Nitrite as N	8.2	B	0.10	0.019 mg/L			12/22/20 18:52	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-6

Lab Sample ID: 580-99774-11

Date Collected: 12/11/20 14:20

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/22/20 19:37	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/22/20 19:37	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/22/20 19:37	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/22/20 19:37	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/22/20 19:37	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/22/20 19:37	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/22/20 19:37	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/22/20 19:37	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/22/20 19:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/22/20 19:37	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/22/20 19:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/22/20 19:37	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/22/20 19:37	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/22/20 19:37	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/22/20 19:37	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/22/20 19:37	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 19:37	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/22/20 19:37	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 19:37	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/22/20 19:37	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/22/20 19:37	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/22/20 19:37	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/22/20 19:37	1
Benzene	ND		0.20	0.030 ug/L			12/22/20 19:37	1
Bromobenzene	ND		0.20	0.038 ug/L			12/22/20 19:37	1
Bromoform	ND		0.50	0.16 ug/L			12/22/20 19:37	1
Bromomethane	ND		0.50	0.062 ug/L			12/22/20 19:37	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/22/20 19:37	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/22/20 19:37	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/22/20 19:37	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/22/20 19:37	1
Chloroethane	ND	*	0.50	0.096 ug/L			12/22/20 19:37	1
Chloroform	ND		0.20	0.030 ug/L			12/22/20 19:37	1
Chloromethane	ND	*	0.50	0.068 ug/L			12/22/20 19:37	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/22/20 19:37	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/22/20 19:37	1
Dibromomethane	ND		0.20	0.062 ug/L			12/22/20 19:37	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/22/20 19:37	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/22/20 19:37	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/22/20 19:37	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/22/20 19:37	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/22/20 19:37	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/22/20 19:37	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/22/20 19:37	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/22/20 19:37	1
Naphthalene	ND		1.0	0.22 ug/L			12/22/20 19:37	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/22/20 19:37	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/22/20 19:37	1
o-Xylene	ND		0.50	0.15 ug/L			12/22/20 19:37	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-6

Lab Sample ID: 580-99774-11

Date Collected: 12/11/20 14:20

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/22/20 19:37	1
Styrene	ND		1.0	0.19 ug/L			12/22/20 19:37	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/22/20 19:37	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/22/20 19:37	1
Toluene	ND		0.20	0.050 ug/L			12/22/20 19:37	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/22/20 19:37	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/22/20 19:37	1
Trichloroethene	ND		0.20	0.066 ug/L			12/22/20 19:37	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/22/20 19:37	1
Vinyl chloride	ND	*-	0.020	0.013 ug/L			12/22/20 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		12/22/20 19:37	1
4-Bromofluorobenzene (Surr)	97		80 - 120		12/22/20 19:37	1
Dibromofluoromethane (Surr)	107		80 - 120		12/22/20 19:37	1
Toluene-d8 (Surr)	97		80 - 120		12/22/20 19:37	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	H	0.50	0.096 ug/L			12/30/20 06:01	1
Chloromethane	ND	H	0.50	0.068 ug/L			12/30/20 06:01	1
Vinyl chloride	ND	H	0.020	0.013 ug/L			12/30/20 06:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		12/30/20 06:01	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/30/20 06:01	1
Dibromofluoromethane (Surr)	97		80 - 120		12/30/20 06:01	1
Toluene-d8 (Surr)	99		80 - 120		12/30/20 06:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150		12/17/20 22:59	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	108		60 - 140	12/22/20 15:38	12/23/20 13:38	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	1.0	0.46 ug/L		12/18/20 15:16	01/13/21 21:33	1
2,4-D	ND	*+	4.0	0.53 ug/L		12/18/20 15:16	01/13/21 21:33	1
2,4-DB	ND		4.0	0.75 ug/L		12/18/20 15:16	01/13/21 21:33	1
Dalapon	ND		2.0	0.92 ug/L		12/18/20 15:16	01/13/21 21:33	1
Dicamba	ND	*+	2.0	0.44 ug/L		12/18/20 15:16	01/13/21 21:33	1
Dichlorprop	ND	*+	4.0	0.65 ug/L		12/18/20 15:16	01/13/21 21:33	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-6

Lab Sample ID: 580-99774-11

Date Collected: 12/11/20 14:20

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb	ND		1.0	0.45 ug/L		12/18/20 15:16	01/13/21 21:33	1
MCPA	ND	*+ *1	400	48 ug/L		12/18/20 15:16	01/13/21 21:33	1
MCPP	ND		400	33 ug/L		12/18/20 15:16	01/13/21 21:33	1
Picloram	ND	*+	0.50	0.24 ug/L		12/18/20 15:16	01/13/21 21:33	1
Silvex (2,4,5-TP)	ND	*+	1.0	0.17 ug/L		12/18/20 15:16	01/13/21 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	109		39 - 135	12/18/20 15:16	01/13/21 21:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.16		0.12	0.070 mg/L		12/23/20 10:57	12/28/20 20:45	1
Motor Oil (>C24-C36)	0.10	J	0.38	0.10 mg/L		12/23/20 10:57	12/28/20 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	96		50 - 150	12/23/20 10:57	12/28/20 20:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 15:28	5
Barium	0.074		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 15:28	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 15:28	5
Chromium	0.0050		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 15:28	5
Lead	0.0011	J	0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 15:28	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 15:28	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 15:28	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		0.90	0.14 mg/L			12/22/20 10:11	1
Sulfate	42		1.2	0.26 mg/L			12/22/20 10:11	1
Ammonia as N	0.039	J	0.10	0.022 mg/L			12/18/20 15:06	1
Nitrate Nitrite as N	2.9	B	0.10	0.019 mg/L			12/22/20 18:54	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-7

Lab Sample ID: 580-99774-12

Date Collected: 12/11/20 13:14

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/22/20 20:03	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/22/20 20:03	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/22/20 20:03	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/22/20 20:03	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/22/20 20:03	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/22/20 20:03	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/22/20 20:03	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/22/20 20:03	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/22/20 20:03	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/22/20 20:03	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/22/20 20:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/22/20 20:03	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/22/20 20:03	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/22/20 20:03	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/22/20 20:03	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/22/20 20:03	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 20:03	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/22/20 20:03	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 20:03	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/22/20 20:03	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/22/20 20:03	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/22/20 20:03	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/22/20 20:03	1
Benzene	ND		0.20	0.030 ug/L			12/22/20 20:03	1
Bromobenzene	ND		0.20	0.038 ug/L			12/22/20 20:03	1
Bromoform	ND		0.50	0.16 ug/L			12/22/20 20:03	1
Bromomethane	ND		0.50	0.062 ug/L			12/22/20 20:03	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/22/20 20:03	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/22/20 20:03	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/22/20 20:03	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/22/20 20:03	1
Chloroethane	ND	*	0.50	0.096 ug/L			12/22/20 20:03	1
Chloroform	ND		0.20	0.030 ug/L			12/22/20 20:03	1
Chloromethane	ND	*	0.50	0.068 ug/L			12/22/20 20:03	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/22/20 20:03	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/22/20 20:03	1
Dibromomethane	ND		0.20	0.062 ug/L			12/22/20 20:03	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/22/20 20:03	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/22/20 20:03	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/22/20 20:03	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/22/20 20:03	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/22/20 20:03	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/22/20 20:03	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/22/20 20:03	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/22/20 20:03	1
Naphthalene	ND		1.0	0.22 ug/L			12/22/20 20:03	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/22/20 20:03	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/22/20 20:03	1
o-Xylene	ND		0.50	0.15 ug/L			12/22/20 20:03	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-7

Lab Sample ID: 580-99774-12

Date Collected: 12/11/20 13:14

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/22/20 20:03	1
Styrene	ND		1.0	0.19 ug/L			12/22/20 20:03	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/22/20 20:03	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/22/20 20:03	1
Toluene	ND		0.20	0.050 ug/L			12/22/20 20:03	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/22/20 20:03	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/22/20 20:03	1
Trichloroethene	ND		0.20	0.066 ug/L			12/22/20 20:03	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/22/20 20:03	1
Vinyl chloride	ND	*-	0.020	0.013 ug/L			12/22/20 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		12/22/20 20:03	1
4-Bromofluorobenzene (Surr)	97		80 - 120		12/22/20 20:03	1
Dibromofluoromethane (Surr)	101		80 - 120		12/22/20 20:03	1
Toluene-d8 (Surr)	95		80 - 120		12/22/20 20:03	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	H	0.50	0.096 ug/L			12/29/20 18:53	1
Chloromethane	0.076	J H	0.50	0.068 ug/L			12/29/20 18:53	1
Vinyl chloride	ND	H	0.020	0.013 ug/L			12/29/20 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		12/29/20 18:53	1
4-Bromofluorobenzene (Surr)	107		80 - 120		12/29/20 18:53	1
Dibromofluoromethane (Surr)	98		80 - 120		12/29/20 18:53	1
Toluene-d8 (Surr)	97		80 - 120		12/29/20 18:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150		12/17/20 23:24	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	110		60 - 140	12/22/20 15:38	12/23/20 13:54	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	0.97	0.44 ug/L		12/18/20 15:16	01/13/21 21:53	1
2,4-D	ND	*+	3.9	0.51 ug/L		12/18/20 15:16	01/13/21 21:53	1
2,4-DB	ND		3.9	0.72 ug/L		12/18/20 15:16	01/13/21 21:53	1
Dalapon	ND		1.9	0.88 ug/L		12/18/20 15:16	01/13/21 21:53	1
Dicamba	ND	*+	1.9	0.42 ug/L		12/18/20 15:16	01/13/21 21:53	1
Dichlorprop	ND	*+	3.9	0.63 ug/L		12/18/20 15:16	01/13/21 21:53	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-7

Lab Sample ID: 580-99774-12

Date Collected: 12/11/20 13:14

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb	ND		0.97	0.43 ug/L		12/18/20 15:16	01/13/21 21:53	1
MCPA	ND	*+ *1	390	46 ug/L		12/18/20 15:16	01/13/21 21:53	1
MCPP	ND	*+ *1	390	32 ug/L		12/18/20 15:16	01/13/21 21:53	1
Picloram	ND	*+	0.48	0.23 ug/L		12/18/20 15:16	01/13/21 21:53	1
Silvex (2,4,5-TP)	ND	*+	0.97	0.16 ug/L		12/18/20 15:16	01/13/21 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	118		39 - 135	12/18/20 15:16	01/13/21 21:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.24		0.11	0.067 mg/L		12/23/20 10:57	12/28/20 21:05	1
Motor Oil (>C24-C36)	0.13	J	0.36	0.099 mg/L		12/23/20 10:57	12/28/20 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150	12/23/20 10:57	12/28/20 21:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 15:10	5
Barium	0.089		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 15:10	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 15:10	5
Chromium	0.0044		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 15:10	5
Lead	0.0012	J	0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 15:10	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 15:10	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 15:10	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12		0.90	0.14 mg/L			12/22/20 10:34	1
Sulfate	37		1.2	0.26 mg/L			12/22/20 10:34	1
Ammonia as N	0.038	J	0.10	0.022 mg/L			12/18/20 15:08	1
Nitrate Nitrite as N	2.4	B	0.10	0.019 mg/L			12/22/20 18:56	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-8

Lab Sample ID: 580-99774-13

Date Collected: 12/11/20 08:18

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/22/20 20:29	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/22/20 20:29	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/22/20 20:29	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/22/20 20:29	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/22/20 20:29	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/22/20 20:29	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/22/20 20:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/22/20 20:29	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/22/20 20:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/22/20 20:29	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/22/20 20:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/22/20 20:29	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/22/20 20:29	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/22/20 20:29	1
1,2-Dichloropropane	73		0.20	0.060 ug/L			12/22/20 20:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/22/20 20:29	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 20:29	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/22/20 20:29	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 20:29	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/22/20 20:29	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/22/20 20:29	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/22/20 20:29	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/22/20 20:29	1
Benzene	ND		0.20	0.030 ug/L			12/22/20 20:29	1
Bromobenzene	ND		0.20	0.038 ug/L			12/22/20 20:29	1
Bromoform	ND		0.50	0.16 ug/L			12/22/20 20:29	1
Bromomethane	ND		0.50	0.062 ug/L			12/22/20 20:29	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/22/20 20:29	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/22/20 20:29	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/22/20 20:29	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/22/20 20:29	1
Chloroethane	ND	*	0.50	0.096 ug/L			12/22/20 20:29	1
Chloroform	ND		0.20	0.030 ug/L			12/22/20 20:29	1
Chloromethane	ND	*	0.50	0.068 ug/L			12/22/20 20:29	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/22/20 20:29	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/22/20 20:29	1
Dibromomethane	ND		0.20	0.062 ug/L			12/22/20 20:29	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/22/20 20:29	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/22/20 20:29	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/22/20 20:29	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/22/20 20:29	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/22/20 20:29	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/22/20 20:29	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/22/20 20:29	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/22/20 20:29	1
Naphthalene	ND		1.0	0.22 ug/L			12/22/20 20:29	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/22/20 20:29	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/22/20 20:29	1
o-Xylene	ND		0.50	0.15 ug/L			12/22/20 20:29	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-8

Lab Sample ID: 580-99774-13

Date Collected: 12/11/20 08:18

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/22/20 20:29	1
Styrene	ND		1.0	0.19 ug/L			12/22/20 20:29	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/22/20 20:29	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/22/20 20:29	1
Toluene	ND		0.20	0.050 ug/L			12/22/20 20:29	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/22/20 20:29	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/22/20 20:29	1
Trichloroethene	ND		0.20	0.066 ug/L			12/22/20 20:29	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/22/20 20:29	1
Vinyl chloride	ND	*-	0.020	0.013 ug/L			12/22/20 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		12/22/20 20:29	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/22/20 20:29	1
Dibromofluoromethane (Surr)	105		80 - 120		12/22/20 20:29	1
Toluene-d8 (Surr)	99		80 - 120		12/22/20 20:29	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	H	0.50	0.096 ug/L			12/29/20 19:18	1
Chloromethane	ND	H	0.50	0.068 ug/L			12/29/20 19:18	1
Vinyl chloride	ND	H	0.020	0.013 ug/L			12/29/20 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		12/29/20 19:18	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/29/20 19:18	1
Dibromofluoromethane (Surr)	99		80 - 120		12/29/20 19:18	1
Toluene-d8 (Surr)	98		80 - 120		12/29/20 19:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150		12/17/20 23:48	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	108		60 - 140	12/22/20 15:38	12/23/20 14:10	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND	*+	1.0	0.47 ug/L		12/18/20 15:16	01/13/21 22:34	1
2,4-D	ND	*+	4.1	0.55 ug/L		12/18/20 15:16	01/13/21 22:34	1
2,4-DB	ND		4.1	0.77 ug/L		12/18/20 15:16	01/13/21 22:34	1
Dalapon	ND		2.1	0.94 ug/L		12/18/20 15:16	01/13/21 22:34	1
Dicamba	ND		2.1	0.45 ug/L		12/18/20 15:16	01/13/21 22:34	1
Dichlorprop	ND	*+	4.1	0.67 ug/L		12/18/20 15:16	01/13/21 22:34	1

Eurofins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-8

Lab Sample ID: 580-99774-13

Date Collected: 12/11/20 08:18

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb	ND		1.0	0.47 ug/L		12/18/20 15:16	01/13/21 22:34	1
MCPA	ND	*+ *1	410	49 ug/L		12/18/20 15:16	01/13/21 22:34	1
MCPP	ND		410	34 ug/L		12/18/20 15:16	01/13/21 22:34	1
Picloram	ND	*+	0.52	0.25 ug/L		12/18/20 15:16	01/13/21 22:34	1
Silvex (2,4,5-TP)	ND	*+	1.0	0.18 ug/L		12/18/20 15:16	01/13/21 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	144	S1+	39 - 135	12/18/20 15:16	01/13/21 22:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.50		0.12	0.070 mg/L		12/23/20 10:57	12/28/20 21:26	1
Motor Oil (>C24-C36)	0.11	J	0.38	0.10 mg/L		12/23/20 10:57	12/28/20 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150	12/23/20 10:57	12/28/20 21:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.030		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 15:14	5
Barium	0.048		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 15:14	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 15:14	5
Chromium	ND		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 15:14	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 15:14	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 15:14	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 15:14	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57		0.90	0.14 mg/L			12/22/20 11:21	1
Sulfate	180		12	2.6 mg/L			12/22/20 11:33	10
Ammonia as N	0.033	J	0.10	0.022 mg/L			12/18/20 15:10	1
Nitrate Nitrite as N	29	F1	0.50	0.095 mg/L			12/22/20 19:02	5

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 580-99774-14

Date Collected: 12/11/20 16:00

Matrix: Water

Date Received: 12/15/20 07:55

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/23/20 12:18	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/23/20 12:18	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/23/20 12:18	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/23/20 12:18	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/23/20 12:18	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/23/20 12:18	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/23/20 12:18	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/23/20 12:18	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/23/20 12:18	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/23/20 12:18	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/23/20 12:18	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/23/20 12:18	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/23/20 12:18	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/23/20 12:18	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/23/20 12:18	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/23/20 12:18	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/23/20 12:18	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/23/20 12:18	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/23/20 12:18	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/23/20 12:18	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/23/20 12:18	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/23/20 12:18	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/23/20 12:18	1
Benzene	ND		0.20	0.030 ug/L			12/23/20 12:18	1
Bromobenzene	ND		0.20	0.038 ug/L			12/23/20 12:18	1
Bromoform	ND		0.50	0.16 ug/L			12/23/20 12:18	1
Bromomethane	ND	*	0.50	0.062 ug/L			12/23/20 12:18	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/23/20 12:18	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/23/20 12:18	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/23/20 12:18	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/23/20 12:18	1
Chloroethane	ND	*	0.50	0.096 ug/L			12/23/20 12:18	1
Chloroform	ND		0.20	0.030 ug/L			12/23/20 12:18	1
Chloromethane	ND	*	0.50	0.068 ug/L			12/23/20 12:18	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/23/20 12:18	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/23/20 12:18	1
Dibromomethane	ND		0.20	0.062 ug/L			12/23/20 12:18	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/23/20 12:18	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/23/20 12:18	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/23/20 12:18	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/23/20 12:18	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/23/20 12:18	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/23/20 12:18	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/23/20 12:18	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/23/20 12:18	1
Naphthalene	ND		1.0	0.22 ug/L			12/23/20 12:18	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/23/20 12:18	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/23/20 12:18	1
o-Xylene	ND		0.50	0.15 ug/L			12/23/20 12:18	1

Eurolins TestAmerica, Seattle

Client Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 580-99774-14

Date Collected: 12/11/20 16:00

Matrix: Water

Date Received: 12/15/20 07:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/23/20 12:18	1
Styrene	ND		1.0	0.19 ug/L			12/23/20 12:18	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/23/20 12:18	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/23/20 12:18	1
Toluene	ND		0.20	0.050 ug/L			12/23/20 12:18	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/23/20 12:18	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/23/20 12:18	1
Trichloroethene	ND		0.20	0.066 ug/L			12/23/20 12:18	1
Trichlorofluoromethane	ND	*-	0.50	0.043 ug/L			12/23/20 12:18	1
Vinyl chloride	ND	*-	0.020	0.013 ug/L			12/23/20 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		12/23/20 12:18	1
4-Bromofluorobenzene (Surr)	95		80 - 120		12/23/20 12:18	1
Dibromofluoromethane (Surr)	100		80 - 120		12/23/20 12:18	1
Toluene-d8 (Surr)	95		80 - 120		12/23/20 12:18	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	H	0.020	0.013 ug/L			12/29/20 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		12/29/20 23:01	1
4-Bromofluorobenzene (Surr)	105		80 - 120		12/29/20 23:01	1
Dibromofluoromethane (Surr)	98		80 - 120		12/29/20 23:01	1
Toluene-d8 (Surr)	98		80 - 120		12/29/20 23:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150		12/17/20 18:31	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	107		60 - 140	12/22/20 15:38	12/23/20 14:26	1

QC Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-345806/7
Matrix: Water
Analysis Batch: 345806

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/17/20 12:12	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/17/20 12:12	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/17/20 12:12	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/17/20 12:12	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/17/20 12:12	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/17/20 12:12	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/17/20 12:12	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/17/20 12:12	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/17/20 12:12	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/17/20 12:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/17/20 12:12	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/17/20 12:12	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/17/20 12:12	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/17/20 12:12	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/17/20 12:12	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 12:12	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/17/20 12:12	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/17/20 12:12	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/17/20 12:12	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/17/20 12:12	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/17/20 12:12	1
Benzene	ND		0.20	0.030 ug/L			12/17/20 12:12	1
Bromobenzene	ND		0.20	0.038 ug/L			12/17/20 12:12	1
Bromoform	ND		0.50	0.16 ug/L			12/17/20 12:12	1
Bromomethane	ND		0.50	0.062 ug/L			12/17/20 12:12	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/17/20 12:12	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/17/20 12:12	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/17/20 12:12	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/17/20 12:12	1
Chloroethane	ND		0.50	0.096 ug/L			12/17/20 12:12	1
Chloroform	ND		0.20	0.030 ug/L			12/17/20 12:12	1
Chloromethane	ND		0.50	0.068 ug/L			12/17/20 12:12	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/17/20 12:12	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/17/20 12:12	1
Dibromomethane	ND		0.20	0.062 ug/L			12/17/20 12:12	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/17/20 12:12	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/17/20 12:12	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/17/20 12:12	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/17/20 12:12	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/17/20 12:12	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/17/20 12:12	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/17/20 12:12	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/17/20 12:12	1
Naphthalene	ND		1.0	0.22 ug/L			12/17/20 12:12	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/17/20 12:12	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/17/20 12:12	1
o-Xylene	ND		0.50	0.15 ug/L			12/17/20 12:12	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/17/20 12:12	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: MB 580-345806/7
Matrix: Water
Analysis Batch: 345806

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.19 ug/L			12/17/20 12:12	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/17/20 12:12	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/17/20 12:12	1
Toluene	ND		0.20	0.050 ug/L			12/17/20 12:12	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/17/20 12:12	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/17/20 12:12	1
Trichloroethene	ND		0.20	0.066 ug/L			12/17/20 12:12	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/17/20 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		12/17/20 12:12	1
4-Bromofluorobenzene (Surr)	98		80 - 120		12/17/20 12:12	1
Dibromofluoromethane (Surr)	101		80 - 120		12/17/20 12:12	1
Toluene-d8 (Surr)	96		80 - 120		12/17/20 12:12	1

Lab Sample ID: LCS 580-345806/4
Matrix: Water
Analysis Batch: 345806

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	5.06		ug/L		101	79 - 127
1,1,1-Trichloroethane	5.00	4.92		ug/L		98	79 - 121
1,1,2,2-Tetrachloroethane	5.00	4.70		ug/L		94	76 - 123
1,1,2-Trichloroethane	5.00	5.25		ug/L		105	80 - 127
1,1-Dichloroethane	5.00	4.97		ug/L		99	74 - 120
1,1-Dichloroethene	5.00	5.36		ug/L		107	79 - 120
1,1-Dichloropropene	5.00	4.98		ug/L		100	72 - 120
1,2,3-Trichlorobenzene	5.00	4.44		ug/L		89	75 - 128
1,2,3-Trichloropropene	5.00	4.97		ug/L		99	75 - 127
1,2,4-Trimethylbenzene	5.00	5.30		ug/L		106	78 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.65		ug/L		93	73 - 123
1,2-Dichlorobenzene	5.00	5.33		ug/L		107	80 - 129
1,2-Dichloroethane	5.00	4.77		ug/L		95	74 - 120
1,2-Dichloropropane	5.00	5.39		ug/L		108	80 - 130
1,3,5-Trimethylbenzene	5.00	5.26		ug/L		105	80 - 129
1,3-Dichlorobenzene	5.00	5.32		ug/L		106	80 - 130
1,3-Dichloropropene	5.00	5.20		ug/L		104	80 - 123
1,4-Dichlorobenzene	5.00	5.32		ug/L		106	80 - 129
2-Chlorotoluene	5.00	5.02		ug/L		100	80 - 120
4-Chlorotoluene	5.00	5.37		ug/L		107	80 - 124
4-Isopropyltoluene	5.00	5.24		ug/L		105	78 - 132
Benzene	5.00	5.25		ug/L		105	73 - 120
Bromobenzene	5.00	4.93		ug/L		99	80 - 130
Bromoform	5.00	4.81		ug/L		96	69 - 125
Bromomethane	5.00	4.07		ug/L		81	68 - 131
Carbon tetrachloride	5.00	4.93		ug/L		99	78 - 120
Chlorobenzene	5.00	5.49		ug/L		110	80 - 123
Chlorobromomethane	5.00	5.38		ug/L		108	79 - 131

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 580-345806/4
Matrix: Water
Analysis Batch: 345806

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	5.00	5.16		ug/L		103	76 - 126
Chloroethane	5.00	3.24	*-	ug/L		65	70 - 135
Chloroform	5.00	5.07		ug/L		101	80 - 130
Chloromethane	5.00	2.84	*-	ug/L		57	66 - 134
cis-1,2-Dichloroethene	5.00	5.01		ug/L		100	72 - 130
cis-1,3-Dichloropropene	5.00	5.04		ug/L		101	77 - 120
Dibromomethane	5.00	5.21		ug/L		104	65 - 141
Dichlorobromomethane	5.00	5.08		ug/L		102	74 - 120
Dichlorodifluoromethane	5.00	4.58		ug/L		92	58 - 126
Ethylbenzene	5.00	5.49		ug/L		110	80 - 130
Hexachlorobutadiene	5.00	4.71		ug/L		94	78 - 120
Isopropylbenzene	5.00	5.26		ug/L		105	83 - 131
Methyl tert-butyl ether	5.00	4.48		ug/L		90	73 - 125
Methylene Chloride	5.00	5.40		ug/L		108	68 - 134
m-Xylene & p-Xylene	5.00	5.40		ug/L		108	86 - 130
Naphthalene	5.00	3.82		ug/L		76	69 - 123
n-Butylbenzene	5.00	5.02		ug/L		100	80 - 127
N-Propylbenzene	5.00	5.13		ug/L		103	77 - 142
o-Xylene	5.00	5.24		ug/L		105	80 - 133
sec-Butylbenzene	5.00	5.03		ug/L		101	84 - 132
Styrene	5.00	5.70		ug/L		114	74 - 136
tert-Butylbenzene	5.00	5.42		ug/L		108	77 - 129
Tetrachloroethene	5.00	5.34		ug/L		107	75 - 131
Toluene	5.00	5.47		ug/L		109	80 - 126
trans-1,2-Dichloroethene	5.00	5.00		ug/L		100	63 - 133
trans-1,3-Dichloropropene	5.00	4.93		ug/L		99	71 - 128
Trichloroethene	5.00	5.24		ug/L		105	72 - 136
Trichlorofluoromethane	5.00	4.43		ug/L		89	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: LCSD 580-345806/5
Matrix: Water
Analysis Batch: 345806

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
1,1,1,2-Tetrachloroethane	5.00	4.60		ug/L		92	79 - 127	10	11
1,1,1-Trichloroethane	5.00	4.42		ug/L		88	79 - 121	11	14
1,1,2,2-Tetrachloroethane	5.00	4.05	*1	ug/L		81	76 - 123	15	10
1,1,2-Trichloroethane	5.00	4.96		ug/L		99	80 - 127	6	10
1,1-Dichloroethane	5.00	4.48		ug/L		90	74 - 120	10	10
1,1-Dichloroethene	5.00	4.80		ug/L		96	79 - 120	11	17
1,1-Dichloropropene	5.00	4.49		ug/L		90	72 - 120	10	10
1,2,3-Trichlorobenzene	5.00	3.83		ug/L		77	75 - 128	15	20

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 580-345806/5
Matrix: Water
Analysis Batch: 345806

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
1,2,3-Trichloropropane	5.00	5.11		ug/L		102	75 - 127	3	12
1,2,4-Trimethylbenzene	5.00	4.73	*1	ug/L		95	78 - 127	11	10
1,2-Dibromo-3-Chloropropane	5.00	4.05		ug/L		81	73 - 123	14	16
1,2-Dichlorobenzene	5.00	4.73	*1	ug/L		95	80 - 129	12	10
1,2-Dichloroethane	5.00	4.66		ug/L		93	74 - 120	2	10
1,2-Dichloropropane	5.00	5.27		ug/L		105	80 - 130	2	14
1,3,5-Trimethylbenzene	5.00	4.67	*1	ug/L		93	80 - 129	12	10
1,3-Dichlorobenzene	5.00	4.92		ug/L		98	80 - 130	8	12
1,3-Dichloropropane	5.00	5.17		ug/L		103	80 - 123	0	19
1,4-Dichlorobenzene	5.00	4.91		ug/L		98	80 - 129	8	11
2-Chlorotoluene	5.00	4.74		ug/L		95	80 - 120	6	10
4-Chlorotoluene	5.00	5.07		ug/L		101	80 - 124	6	10
4-Isopropyltoluene	5.00	4.58		ug/L		92	78 - 132	13	14
Benzene	5.00	4.84		ug/L		97	73 - 120	8	10
Bromobenzene	5.00	4.86		ug/L		97	80 - 130	1	11
Bromoform	5.00	4.77		ug/L		95	69 - 125	1	10
Bromomethane	5.00	3.47		ug/L		69	68 - 131	16	18
Carbon tetrachloride	5.00	4.36	*1	ug/L		87	78 - 120	12	10
Chlorobenzene	5.00	5.09		ug/L		102	80 - 123	8	12
Chlorobromomethane	5.00	4.89		ug/L		98	79 - 131	10	10
Chlorodibromomethane	5.00	4.84		ug/L		97	76 - 126	6	10
Chloroethane	5.00	2.98	*-	ug/L		60	70 - 135	8	20
Chloroform	5.00	4.66		ug/L		93	80 - 130	8	10
Chloromethane	5.00	2.47	*-	ug/L		49	66 - 134	14	16
cis-1,2-Dichloroethene	5.00	4.63		ug/L		93	72 - 130	8	10
cis-1,3-Dichloropropene	5.00	4.72		ug/L		94	77 - 120	7	10
Dibromomethane	5.00	5.01		ug/L		100	65 - 141	4	10
Dichlorobromomethane	5.00	4.91		ug/L		98	74 - 120	3	10
Dichlorodifluoromethane	5.00	4.03		ug/L		81	58 - 126	13	16
Ethylbenzene	5.00	4.99		ug/L		100	80 - 130	10	10
Hexachlorobutadiene	5.00	4.15		ug/L		83	78 - 120	13	15
Isopropylbenzene	5.00	4.69	*1	ug/L		94	83 - 131	11	10
Methyl tert-butyl ether	5.00	4.47		ug/L		89	73 - 125	0	12
Methylene Chloride	5.00	4.88	J	ug/L		98	68 - 134	10	18
m-Xylene & p-Xylene	5.00	5.06		ug/L		101	86 - 130	7	10
Naphthalene	5.00	3.45		ug/L		69	69 - 123	10	20
n-Butylbenzene	5.00	4.28	*1	ug/L		86	80 - 127	16	10
N-Propylbenzene	5.00	4.69		ug/L		94	77 - 142	9	20
o-Xylene	5.00	4.75		ug/L		95	80 - 133	10	10
sec-Butylbenzene	5.00	4.49	*1	ug/L		90	84 - 132	11	10
Styrene	5.00	5.46		ug/L		109	74 - 136	4	10
tert-Butylbenzene	5.00	4.85	*1	ug/L		97	77 - 129	11	10
Tetrachloroethene	5.00	4.87		ug/L		97	75 - 131	9	20
Toluene	5.00	4.92		ug/L		98	80 - 126	11	20
trans-1,2-Dichloroethene	5.00	4.49		ug/L		90	63 - 133	11	17
trans-1,3-Dichloropropene	5.00	4.84		ug/L		97	71 - 128	2	16
Trichloroethene	5.00	5.42		ug/L		108	72 - 136	4	14
Trichlorofluoromethane	5.00	3.62	*- *1	ug/L		72	75 - 120	20	13

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 580-345806/5
Matrix: Water
Analysis Batch: 345806

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

<i>Surrogate</i>	<i>LCSD %Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	92		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 580-345965/7
Matrix: Water
Analysis Batch: 345965

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

<i>Analyte</i>	<i>MB Result</i>	<i>MB Qualifier</i>	<i>RL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/19/20 01:33	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/19/20 01:33	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/19/20 01:33	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/19/20 01:33	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/19/20 01:33	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/19/20 01:33	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/19/20 01:33	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/19/20 01:33	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/19/20 01:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/19/20 01:33	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/19/20 01:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/19/20 01:33	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/19/20 01:33	1
1,2-Dichloroethane	0.0448	J	0.20	0.043 ug/L			12/19/20 01:33	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/19/20 01:33	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/19/20 01:33	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/19/20 01:33	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/19/20 01:33	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/19/20 01:33	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/19/20 01:33	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/19/20 01:33	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/19/20 01:33	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/19/20 01:33	1
Benzene	ND		0.20	0.030 ug/L			12/19/20 01:33	1
Bromobenzene	ND		0.20	0.038 ug/L			12/19/20 01:33	1
Bromoform	ND		0.50	0.16 ug/L			12/19/20 01:33	1
Bromomethane	ND		0.50	0.062 ug/L			12/19/20 01:33	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/19/20 01:33	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/19/20 01:33	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/19/20 01:33	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/19/20 01:33	1
Chloroethane	ND		0.50	0.096 ug/L			12/19/20 01:33	1
Chloroform	ND		0.20	0.030 ug/L			12/19/20 01:33	1
Chloromethane	ND		0.50	0.068 ug/L			12/19/20 01:33	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/19/20 01:33	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/19/20 01:33	1
Dibromomethane	ND		0.20	0.062 ug/L			12/19/20 01:33	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/19/20 01:33	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: MB 580-345965/7
Matrix: Water
Analysis Batch: 345965

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/19/20 01:33	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/19/20 01:33	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/19/20 01:33	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/19/20 01:33	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/19/20 01:33	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/19/20 01:33	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/19/20 01:33	1
Naphthalene	ND		1.0	0.22 ug/L			12/19/20 01:33	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/19/20 01:33	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/19/20 01:33	1
o-Xylene	ND		0.50	0.15 ug/L			12/19/20 01:33	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/19/20 01:33	1
Styrene	ND		1.0	0.19 ug/L			12/19/20 01:33	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/19/20 01:33	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/19/20 01:33	1
Toluene	ND		0.20	0.050 ug/L			12/19/20 01:33	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/19/20 01:33	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/19/20 01:33	1
Trichloroethene	ND		0.20	0.066 ug/L			12/19/20 01:33	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/19/20 01:33	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/19/20 01:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		12/19/20 01:33	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/19/20 01:33	1
Dibromofluoromethane (Surr)	98		80 - 120		12/19/20 01:33	1
Toluene-d8 (Surr)	104		80 - 120		12/19/20 01:33	1

Lab Sample ID: LCS 580-345965/4
Matrix: Water
Analysis Batch: 345965

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	6.45	*+	ug/L		129	79 - 127
1,1,1-Trichloroethane	5.00	5.38		ug/L		108	79 - 121
1,1,2,2-Tetrachloroethane	5.00	6.67	*+	ug/L		133	76 - 123
1,1,2-Trichloroethane	5.00	5.96		ug/L		119	80 - 127
1,1-Dichloroethane	5.00	5.70		ug/L		114	74 - 120
1,1-Dichloroethene	5.00	5.39		ug/L		108	79 - 120
1,1-Dichloropropene	5.00	5.58		ug/L		112	72 - 120
1,2,3-Trichlorobenzene	5.00	5.69		ug/L		114	75 - 128
1,2,3-Trichloropropane	5.00	6.51	*+	ug/L		130	75 - 127
1,2,4-Trichlorobenzene	5.00	5.67		ug/L		113	79 - 121
1,2,4-Trimethylbenzene	5.00	5.87		ug/L		117	78 - 127
1,2-Dibromo-3-Chloropropane	5.00	5.59		ug/L		112	73 - 123
1,2-Dichlorobenzene	5.00	6.15		ug/L		123	80 - 129
1,2-Dichloroethane	5.00	5.95		ug/L		119	74 - 120
1,2-Dichloropropane	5.00	5.95		ug/L		119	80 - 130

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 580-345965/4

Matrix: Water

Analysis Batch: 345965

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	5.00	5.89		ug/L		118	80 - 129
1,3-Dichlorobenzene	5.00	5.93		ug/L		119	80 - 130
1,3-Dichloropropane	5.00	6.04		ug/L		121	80 - 123
1,4-Dichlorobenzene	5.00	6.15		ug/L		123	80 - 129
2,2-Dichloropropane	5.00	4.80		ug/L		96	67 - 133
2-Chlorotoluene	5.00	5.67		ug/L		113	80 - 120
4-Chlorotoluene	5.00	5.80		ug/L		116	80 - 124
4-Isopropyltoluene	5.00	5.91		ug/L		118	78 - 132
Benzene	5.00	5.71		ug/L		114	73 - 120
Bromobenzene	5.00	5.90		ug/L		118	80 - 130
Bromoform	5.00	6.55	*+	ug/L		131	69 - 125
Bromomethane	5.00	5.35		ug/L		107	68 - 131
Carbon tetrachloride	5.00	5.41		ug/L		108	78 - 120
Chlorobenzene	5.00	5.86		ug/L		117	80 - 123
Chlorobromomethane	5.00	5.96		ug/L		119	79 - 131
Chlorodibromomethane	5.00	6.30		ug/L		126	76 - 126
Chloroethane	5.00	5.67		ug/L		113	70 - 135
Chloroform	5.00	5.83		ug/L		117	80 - 130
Chloromethane	5.00	4.96		ug/L		99	66 - 134
cis-1,2-Dichloroethene	5.00	5.52		ug/L		110	72 - 130
cis-1,3-Dichloropropene	5.00	5.72		ug/L		114	77 - 120
Dibromomethane	5.00	5.98		ug/L		120	65 - 141
Dichlorobromomethane	5.00	5.91		ug/L		118	74 - 120
Dichlorodifluoromethane	5.00	3.55		ug/L		71	58 - 126
Ethylbenzene	5.00	6.22		ug/L		124	80 - 130
Hexachlorobutadiene	5.00	5.22		ug/L		104	78 - 120
Isopropylbenzene	5.00	5.61		ug/L		112	83 - 131
Methyl tert-butyl ether	5.00	5.71		ug/L		114	73 - 125
Methylene Chloride	5.00	5.99		ug/L		120	68 - 134
m-Xylene & p-Xylene	5.00	6.26		ug/L		125	86 - 130
Naphthalene	5.00	5.33		ug/L		107	69 - 123
n-Butylbenzene	5.00	5.50		ug/L		110	80 - 127
N-Propylbenzene	5.00	5.92		ug/L		118	77 - 142
o-Xylene	5.00	6.35		ug/L		127	80 - 133
sec-Butylbenzene	5.00	5.88		ug/L		118	84 - 132
Styrene	5.00	6.22		ug/L		124	74 - 136
tert-Butylbenzene	5.00	5.74		ug/L		115	77 - 129
Tetrachloroethene	5.00	5.35		ug/L		107	75 - 131
Toluene	5.00	5.70		ug/L		114	80 - 126
trans-1,2-Dichloroethene	5.00	5.51		ug/L		110	63 - 133
trans-1,3-Dichloropropene	5.00	5.64		ug/L		113	71 - 128
Trichloroethene	5.00	5.34		ug/L		107	72 - 136
Trichlorofluoromethane	5.00	5.22		ug/L		104	75 - 120
Vinyl chloride	5.00	4.92		ug/L		98	69 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 580-345965/4
Matrix: Water
Analysis Batch: 345965

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 580-345965/5
Matrix: Water
Analysis Batch: 345965

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
1,1,1,2-Tetrachloroethane	5.00	6.08		ug/L		122	79 - 127	6	11
1,1,1-Trichloroethane	5.00	5.03		ug/L		101	79 - 121	7	14
1,1,1,2,2-Tetrachloroethane	5.00	6.13		ug/L		123	76 - 123	8	10
1,1,2-Trichloroethane	5.00	5.38		ug/L		108	80 - 127	10	10
1,1-Dichloroethane	5.00	5.31		ug/L		106	74 - 120	7	10
1,1-Dichloroethene	5.00	4.98		ug/L		100	79 - 120	8	17
1,1-Dichloropropene	5.00	5.18		ug/L		104	72 - 120	7	10
1,2,3-Trichlorobenzene	5.00	4.62	*1	ug/L		92	75 - 128	21	20
1,2,3-Trichloropropane	5.00	6.53	*+	ug/L		131	75 - 127	0	12
1,2,4-Trichlorobenzene	5.00	4.83		ug/L		97	79 - 121	16	20
1,2,4-Trimethylbenzene	5.00	5.99		ug/L		120	78 - 127	2	10
1,2-Dibromo-3-Chloropropane	5.00	4.56	*1	ug/L		91	73 - 123	20	16
1,2-Dichlorobenzene	5.00	5.49	*1	ug/L		110	80 - 129	11	10
1,2-Dichloroethane	5.00	5.37		ug/L		107	74 - 120	10	10
1,2-Dichloropropane	5.00	5.50		ug/L		110	80 - 130	8	14
1,3,5-Trimethylbenzene	5.00	5.79		ug/L		116	80 - 129	2	10
1,3-Dichlorobenzene	5.00	5.58		ug/L		112	80 - 130	6	12
1,3-Dichloropropane	5.00	5.51		ug/L		110	80 - 123	9	19
1,4-Dichlorobenzene	5.00	5.66		ug/L		113	80 - 129	8	11
2,2-Dichloropropane	5.00	4.49		ug/L		90	67 - 133	7	16
2-Chlorotoluene	5.00	5.73		ug/L		115	80 - 120	1	10
4-Chlorotoluene	5.00	5.72		ug/L		114	80 - 124	1	10
4-Isopropyltoluene	5.00	5.57		ug/L		111	78 - 132	6	14
Benzene	5.00	5.29		ug/L		106	73 - 120	8	10
Bromobenzene	5.00	6.01		ug/L		120	80 - 130	2	11
Bromoform	5.00	6.05		ug/L		121	69 - 125	8	10
Bromomethane	5.00	4.70		ug/L		94	68 - 131	13	18
Carbon tetrachloride	5.00	5.11		ug/L		102	78 - 120	6	10
Chlorobenzene	5.00	5.59		ug/L		112	80 - 123	5	12
Chlorobromomethane	5.00	5.32	*1	ug/L		106	79 - 131	11	10
Chlorodibromomethane	5.00	5.59	*1	ug/L		112	76 - 126	12	10
Chloroethane	5.00	4.97		ug/L		99	70 - 135	13	20
Chloroform	5.00	5.44		ug/L		109	80 - 130	7	10
Chloromethane	5.00	4.35		ug/L		87	66 - 134	13	16
cis-1,2-Dichloroethene	5.00	5.15		ug/L		103	72 - 130	7	10
cis-1,3-Dichloropropene	5.00	5.32		ug/L		106	77 - 120	7	10
Dibromomethane	5.00	5.48		ug/L		110	65 - 141	9	10
Dichlorobromomethane	5.00	5.37		ug/L		107	74 - 120	10	10
Dichlorodifluoromethane	5.00	3.09		ug/L		62	58 - 126	14	16
Ethylbenzene	5.00	6.07		ug/L		121	80 - 130	2	10

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 580-345965/5
Matrix: Water
Analysis Batch: 345965

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
Hexachlorobutadiene	5.00	4.78		ug/L		96	78 - 120	9	15
Isopropylbenzene	5.00	5.99		ug/L		120	83 - 131	7	10
Methyl tert-butyl ether	5.00	4.93	*1	ug/L		99	73 - 125	15	12
Methylene Chloride	5.00	5.52		ug/L		110	68 - 134	8	18
m-Xylene & p-Xylene	5.00	5.92		ug/L		118	86 - 130	6	10
Naphthalene	5.00	4.16	*1	ug/L		83	69 - 123	25	20
n-Butylbenzene	5.00	4.99		ug/L		100	80 - 127	10	10
N-Propylbenzene	5.00	6.15		ug/L		123	77 - 142	4	20
o-Xylene	5.00	6.06		ug/L		121	80 - 133	5	10
sec-Butylbenzene	5.00	5.66		ug/L		113	84 - 132	4	10
Styrene	5.00	5.90		ug/L		118	74 - 136	5	10
tert-Butylbenzene	5.00	5.79		ug/L		116	77 - 129	1	10
Tetrachloroethene	5.00	5.06		ug/L		101	75 - 131	5	20
Toluene	5.00	5.49		ug/L		110	80 - 126	4	20
trans-1,2-Dichloroethene	5.00	5.00		ug/L		100	63 - 133	10	17
trans-1,3-Dichloropropene	5.00	5.22		ug/L		104	71 - 128	8	16
Trichloroethene	5.00	4.92		ug/L		98	72 - 136	8	14
Trichlorofluoromethane	5.00	4.72		ug/L		94	75 - 120	10	13
Vinyl chloride	5.00	4.35		ug/L		87	69 - 128	12	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 580-346029/7
Matrix: Water
Analysis Batch: 346029

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/20/20 12:02	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/20/20 12:02	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/20/20 12:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		12/20/20 12:02	1
4-Bromofluorobenzene (Surr)	92		80 - 120		12/20/20 12:02	1
Dibromofluoromethane (Surr)	112		80 - 120		12/20/20 12:02	1
Toluene-d8 (Surr)	107		80 - 120		12/20/20 12:02	1

Lab Sample ID: LCS 580-346029/4
Matrix: Water
Analysis Batch: 346029

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	5.00	4.33		ug/L		87	79 - 121
2,2-Dichloropropane	5.00	4.62		ug/L		92	67 - 133

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 580-346029/4
Matrix: Water
Analysis Batch: 346029

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	5.00	4.10		ug/L		82	69 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: LCSD 580-346029/5
Matrix: Water
Analysis Batch: 346029

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
1,2,4-Trichlorobenzene	5.00	4.62		ug/L		92	79 - 121	7	20
2,2-Dichloropropane	5.00	4.56		ug/L		91	67 - 133	1	16
Vinyl chloride	5.00	4.05		ug/L		81	69 - 128	1	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: MB 580-346184/7
Matrix: Water
Analysis Batch: 346184

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038 ug/L			12/22/20 11:54	1
1,1,1-Trichloroethane	ND		0.20	0.025 ug/L			12/22/20 11:54	1
1,1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/22/20 11:54	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/22/20 11:54	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/22/20 11:54	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/22/20 11:54	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/22/20 11:54	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/22/20 11:54	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/22/20 11:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/22/20 11:54	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/22/20 11:54	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/22/20 11:54	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/22/20 11:54	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/22/20 11:54	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/22/20 11:54	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/22/20 11:54	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 11:54	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/22/20 11:54	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/22/20 11:54	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/22/20 11:54	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: MB 580-346184/7
Matrix: Water
Analysis Batch: 346184

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/22/20 11:54	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/22/20 11:54	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/22/20 11:54	1
Benzene	ND		0.20	0.030 ug/L			12/22/20 11:54	1
Bromobenzene	ND		0.20	0.038 ug/L			12/22/20 11:54	1
Bromoform	ND		0.50	0.16 ug/L			12/22/20 11:54	1
Bromomethane	ND		0.50	0.062 ug/L			12/22/20 11:54	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/22/20 11:54	1
Chlorobenzene	0.0618	J	0.20	0.025 ug/L			12/22/20 11:54	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/22/20 11:54	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/22/20 11:54	1
Chloroethane	ND		0.50	0.096 ug/L			12/22/20 11:54	1
Chloroform	ND		0.20	0.030 ug/L			12/22/20 11:54	1
Chloromethane	ND		0.50	0.068 ug/L			12/22/20 11:54	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/22/20 11:54	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/22/20 11:54	1
Dibromomethane	ND		0.20	0.062 ug/L			12/22/20 11:54	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/22/20 11:54	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/22/20 11:54	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/22/20 11:54	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/22/20 11:54	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/22/20 11:54	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/22/20 11:54	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/22/20 11:54	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/22/20 11:54	1
Naphthalene	ND		1.0	0.22 ug/L			12/22/20 11:54	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/22/20 11:54	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/22/20 11:54	1
o-Xylene	ND		0.50	0.15 ug/L			12/22/20 11:54	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/22/20 11:54	1
Styrene	ND		1.0	0.19 ug/L			12/22/20 11:54	1
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/22/20 11:54	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/22/20 11:54	1
Toluene	ND		0.20	0.050 ug/L			12/22/20 11:54	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/22/20 11:54	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/22/20 11:54	1
Trichloroethene	ND		0.20	0.066 ug/L			12/22/20 11:54	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/22/20 11:54	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/22/20 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		12/22/20 11:54	1
4-Bromofluorobenzene (Surr)	99		80 - 120		12/22/20 11:54	1
Dibromofluoromethane (Surr)	101		80 - 120		12/22/20 11:54	1
Toluene-d8 (Surr)	94		80 - 120		12/22/20 11:54	1

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 580-346184/4

Matrix: Water

Analysis Batch: 346184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	5.12		ug/L		102	79 - 127
1,1,1-Trichloroethane	5.00	5.00		ug/L		100	79 - 121
1,1,2,2-Tetrachloroethane	5.00	4.67		ug/L		93	76 - 123
1,1,2-Trichloroethane	5.00	4.87		ug/L		97	80 - 127
1,1-Dichloroethane	5.00	4.86		ug/L		97	74 - 120
1,1-Dichloroethene	5.00	5.90		ug/L		118	79 - 120
1,1-Dichloropropene	5.00	5.14		ug/L		103	72 - 120
1,2,3-Trichlorobenzene	5.00	4.52		ug/L		90	75 - 128
1,2,3-Trichloropropane	5.00	4.82		ug/L		96	75 - 127
1,2,4-Trichlorobenzene	5.00	4.39		ug/L		88	79 - 121
1,2,4-Trimethylbenzene	5.00	5.33		ug/L		107	78 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.51		ug/L		90	73 - 123
1,2-Dichlorobenzene	5.00	5.23		ug/L		105	80 - 129
1,2-Dichloroethane	5.00	4.54		ug/L		91	74 - 120
1,2-Dichloropropane	5.00	5.05		ug/L		101	80 - 130
1,3,5-Trimethylbenzene	5.00	5.31		ug/L		106	80 - 129
1,3-Dichlorobenzene	5.00	5.21		ug/L		104	80 - 130
1,3-Dichloropropane	5.00	4.84		ug/L		97	80 - 123
1,4-Dichlorobenzene	5.00	5.21		ug/L		104	80 - 129
2,2-Dichloropropane	5.00	5.27		ug/L		105	67 - 133
2-Chlorotoluene	5.00	5.04		ug/L		101	80 - 120
4-Chlorotoluene	5.00	5.26		ug/L		105	80 - 124
4-Isopropyltoluene	5.00	5.36		ug/L		107	78 - 132
Benzene	5.00	5.09		ug/L		102	73 - 120
Bromobenzene	5.00	4.66		ug/L		93	80 - 130
Bromoform	5.00	4.67		ug/L		93	69 - 125
Bromomethane	5.00	3.68		ug/L		74	68 - 131
Carbon tetrachloride	5.00	5.10		ug/L		102	78 - 120
Chlorobenzene	5.00	5.32		ug/L		106	80 - 123
Chlorobromomethane	5.00	5.39		ug/L		108	79 - 131
Chlorodibromomethane	5.00	4.77		ug/L		95	76 - 126
Chloroethane	5.00	3.06	*-	ug/L		61	70 - 135
Chloroform	5.00	5.09		ug/L		102	80 - 130
Chloromethane	5.00	2.62	*-	ug/L		52	66 - 134
cis-1,2-Dichloroethene	5.00	5.31		ug/L		106	72 - 130
cis-1,3-Dichloropropene	5.00	4.79		ug/L		96	77 - 120
Dibromomethane	5.00	5.32		ug/L		106	65 - 141
Dichlorobromomethane	5.00	4.81		ug/L		96	74 - 120
Dichlorodifluoromethane	5.00	3.99		ug/L		80	58 - 126
Ethylbenzene	5.00	5.36		ug/L		107	80 - 130
Hexachlorobutadiene	5.00	5.32		ug/L		106	78 - 120
Isopropylbenzene	5.00	5.33		ug/L		107	83 - 131
Methyl tert-butyl ether	5.00	4.55		ug/L		91	73 - 125
Methylene Chloride	5.00	5.06		ug/L		101	68 - 134
m-Xylene & p-Xylene	5.00	5.41		ug/L		108	86 - 130
Naphthalene	5.00	3.87		ug/L		77	69 - 123
n-Butylbenzene	5.00	5.41		ug/L		108	80 - 127
N-Propylbenzene	5.00	5.07		ug/L		101	77 - 142

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 580-346184/4
Matrix: Water
Analysis Batch: 346184

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	5.00	5.17		ug/L		103	80 - 133
sec-Butylbenzene	5.00	5.11		ug/L		102	84 - 132
Styrene	5.00	5.46		ug/L		109	74 - 136
tert-Butylbenzene	5.00	5.37		ug/L		107	77 - 129
Tetrachloroethene	5.00	5.66		ug/L		113	75 - 131
Toluene	5.00	5.32		ug/L		106	80 - 126
trans-1,2-Dichloroethene	5.00	5.09		ug/L		102	63 - 133
trans-1,3-Dichloropropene	5.00	4.74		ug/L		95	71 - 128
Trichloroethene	5.00	5.30		ug/L		106	72 - 136
Trichlorofluoromethane	5.00	3.77		ug/L		75	75 - 120
Vinyl chloride	5.00	3.07	*-	ug/L		61	69 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 580-346184/5
Matrix: Water
Analysis Batch: 346184

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
1,1,1,2-Tetrachloroethane	5.00	4.92		ug/L		98	79 - 127	4	11
1,1,1-Trichloroethane	5.00	4.85		ug/L		97	79 - 121	3	14
1,1,2,2-Tetrachloroethane	5.00	4.82		ug/L		96	76 - 123	3	10
1,1,2-Trichloroethane	5.00	4.94		ug/L		99	80 - 127	2	10
1,1-Dichloroethane	5.00	4.73		ug/L		95	74 - 120	3	10
1,1-Dichloroethene	5.00	5.34		ug/L		107	79 - 120	10	17
1,1-Dichloropropene	5.00	4.82		ug/L		96	72 - 120	6	10
1,2,3-Trichlorobenzene	5.00	4.46		ug/L		89	75 - 128	1	20
1,2,3-Trichloropropane	5.00	4.79		ug/L		96	75 - 127	1	12
1,2,4-Trichlorobenzene	5.00	4.43		ug/L		89	79 - 121	1	20
1,2,4-Trimethylbenzene	5.00	5.37		ug/L		107	78 - 127	1	10
1,2-Dibromo-3-Chloropropane	5.00	4.29		ug/L		86	73 - 123	5	16
1,2-Dichlorobenzene	5.00	5.34		ug/L		107	80 - 129	2	10
1,2-Dichloroethane	5.00	4.52		ug/L		90	74 - 120	0	10
1,2-Dichloropropane	5.00	4.69		ug/L		94	80 - 130	7	14
1,3,5-Trimethylbenzene	5.00	5.32		ug/L		106	80 - 129	0	10
1,3-Dichlorobenzene	5.00	5.26		ug/L		105	80 - 130	1	12
1,3-Dichloropropane	5.00	4.92		ug/L		98	80 - 123	2	19
1,4-Dichlorobenzene	5.00	5.38		ug/L		108	80 - 129	3	11
2,2-Dichloropropane	5.00	4.99		ug/L		100	67 - 133	6	16
2-Chlorotoluene	5.00	5.10		ug/L		102	80 - 120	1	10
4-Chlorotoluene	5.00	5.33		ug/L		107	80 - 124	1	10
4-Isopropyltoluene	5.00	5.40		ug/L		108	78 - 132	1	14
Benzene	5.00	4.88		ug/L		98	73 - 120	4	10
Bromobenzene	5.00	4.94		ug/L		99	80 - 130	6	11

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 580-346184/5
Matrix: Water
Analysis Batch: 346184

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
Bromoform	5.00	4.60		ug/L		92	69 - 125	1	10
Bromomethane	5.00	3.84		ug/L		77	68 - 131	4	18
Carbon tetrachloride	5.00	4.72		ug/L		94	78 - 120	8	10
Chlorobenzene	5.00	5.20		ug/L		104	80 - 123	2	12
Chlorobromomethane	5.00	5.17		ug/L		103	79 - 131	4	10
Chlorodibromomethane	5.00	4.81		ug/L		96	76 - 126	1	10
Chloroethane	5.00	3.32	*-	ug/L		66	70 - 135	8	20
Chloroform	5.00	4.76		ug/L		95	80 - 130	7	10
Chloromethane	5.00	2.96	*-	ug/L		59	66 - 134	12	16
cis-1,2-Dichloroethene	5.00	4.99		ug/L		100	72 - 130	6	10
cis-1,3-Dichloropropene	5.00	4.95		ug/L		99	77 - 120	3	10
Dibromomethane	5.00	5.14		ug/L		103	65 - 141	3	10
Dichlorobromomethane	5.00	4.73		ug/L		95	74 - 120	2	10
Dichlorodifluoromethane	5.00	4.04		ug/L		81	58 - 126	1	16
Ethylbenzene	5.00	5.30		ug/L		106	80 - 130	1	10
Hexachlorobutadiene	5.00	5.26		ug/L		105	78 - 120	1	15
Isopropylbenzene	5.00	5.14		ug/L		103	83 - 131	4	10
Methyl tert-butyl ether	5.00	4.38		ug/L		88	73 - 125	4	12
Methylene Chloride	5.00	5.00		ug/L		100	68 - 134	1	18
m-Xylene & p-Xylene	5.00	5.14		ug/L		103	86 - 130	5	10
Naphthalene	5.00	3.86		ug/L		77	69 - 123	0	20
n-Butylbenzene	5.00	5.32		ug/L		106	80 - 127	2	10
N-Propylbenzene	5.00	5.13		ug/L		103	77 - 142	1	20
o-Xylene	5.00	5.07		ug/L		101	80 - 133	2	10
sec-Butylbenzene	5.00	5.19		ug/L		104	84 - 132	1	10
Styrene	5.00	5.31		ug/L		106	74 - 136	3	10
tert-Butylbenzene	5.00	5.35		ug/L		107	77 - 129	0	10
Tetrachloroethene	5.00	5.51		ug/L		110	75 - 131	3	20
Toluene	5.00	5.22		ug/L		104	80 - 126	2	20
trans-1,2-Dichloroethene	5.00	4.91		ug/L		98	63 - 133	4	17
trans-1,3-Dichloropropene	5.00	4.88		ug/L		98	71 - 128	3	16
Trichloroethene	5.00	5.16		ug/L		103	72 - 136	3	14
Trichlorofluoromethane	5.00	4.06		ug/L		81	75 - 120	7	13
Vinyl chloride	5.00	3.33	*-	ug/L		67	69 - 128	8	21

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	86		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 580-346368/7
Matrix: Water
Analysis Batch: 346368

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	ug/L			12/23/20 11:52	1
1,1,1-Trichloroethane	ND		0.20	ug/L			12/23/20 11:52	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: MB 580-346368/7
Matrix: Water
Analysis Batch: 346368

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.20	0.056 ug/L			12/23/20 11:52	1
1,1,2-Trichloroethane	ND		0.20	0.070 ug/L			12/23/20 11:52	1
1,1-Dichloroethane	ND		0.20	0.025 ug/L			12/23/20 11:52	1
1,1-Dichloroethene	ND		0.20	0.035 ug/L			12/23/20 11:52	1
1,1-Dichloropropene	ND		0.20	0.036 ug/L			12/23/20 11:52	1
1,2,3-Trichlorobenzene	ND		0.50	0.15 ug/L			12/23/20 11:52	1
1,2,3-Trichloropropane	ND		0.20	0.050 ug/L			12/23/20 11:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.17 ug/L			12/23/20 11:52	1
1,2,4-Trimethylbenzene	ND		0.30	0.072 ug/L			12/23/20 11:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.44 ug/L			12/23/20 11:52	1
1,2-Dichlorobenzene	ND		0.30	0.038 ug/L			12/23/20 11:52	1
1,2-Dichloroethane	ND		0.20	0.043 ug/L			12/23/20 11:52	1
1,2-Dichloropropane	ND		0.20	0.060 ug/L			12/23/20 11:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.15 ug/L			12/23/20 11:52	1
1,3-Dichlorobenzene	ND		0.30	0.050 ug/L			12/23/20 11:52	1
1,3-Dichloropropane	ND		0.20	0.025 ug/L			12/23/20 11:52	1
1,4-Dichlorobenzene	ND		0.30	0.050 ug/L			12/23/20 11:52	1
2,2-Dichloropropane	ND		0.50	0.060 ug/L			12/23/20 11:52	1
2-Chlorotoluene	ND		0.50	0.12 ug/L			12/23/20 11:52	1
4-Chlorotoluene	ND		0.30	0.050 ug/L			12/23/20 11:52	1
4-Isopropyltoluene	ND		0.50	0.15 ug/L			12/23/20 11:52	1
Benzene	ND		0.20	0.030 ug/L			12/23/20 11:52	1
Bromobenzene	ND		0.20	0.038 ug/L			12/23/20 11:52	1
Bromoform	ND		0.50	0.16 ug/L			12/23/20 11:52	1
Bromomethane	ND		0.50	0.062 ug/L			12/23/20 11:52	1
Carbon tetrachloride	ND		0.20	0.025 ug/L			12/23/20 11:52	1
Chlorobenzene	ND		0.20	0.025 ug/L			12/23/20 11:52	1
Chlorobromomethane	ND		0.20	0.025 ug/L			12/23/20 11:52	1
Chlorodibromomethane	ND		0.20	0.055 ug/L			12/23/20 11:52	1
Chloroethane	ND		0.50	0.096 ug/L			12/23/20 11:52	1
Chloroform	ND		0.20	0.030 ug/L			12/23/20 11:52	1
Chloromethane	ND		0.50	0.068 ug/L			12/23/20 11:52	1
cis-1,2-Dichloroethene	ND		0.20	0.055 ug/L			12/23/20 11:52	1
cis-1,3-Dichloropropene	ND		0.20	0.090 ug/L			12/23/20 11:52	1
Dibromomethane	ND		0.20	0.062 ug/L			12/23/20 11:52	1
Dichlorobromomethane	ND		0.20	0.060 ug/L			12/23/20 11:52	1
Dichlorodifluoromethane	ND		0.40	0.13 ug/L			12/23/20 11:52	1
Ethylbenzene	ND		0.20	0.030 ug/L			12/23/20 11:52	1
Hexachlorobutadiene	ND		0.50	0.067 ug/L			12/23/20 11:52	1
Isopropylbenzene	ND		1.0	0.19 ug/L			12/23/20 11:52	1
Methyl tert-butyl ether	ND		0.30	0.070 ug/L			12/23/20 11:52	1
Methylene Chloride	ND		5.0	1.2 ug/L			12/23/20 11:52	1
m-Xylene & p-Xylene	ND		0.50	0.12 ug/L			12/23/20 11:52	1
Naphthalene	ND		1.0	0.22 ug/L			12/23/20 11:52	1
n-Butylbenzene	ND		1.0	0.23 ug/L			12/23/20 11:52	1
N-Propylbenzene	ND		0.30	0.091 ug/L			12/23/20 11:52	1
o-Xylene	ND		0.50	0.15 ug/L			12/23/20 11:52	1
sec-Butylbenzene	ND		1.0	0.17 ug/L			12/23/20 11:52	1
Styrene	ND		1.0	0.19 ug/L			12/23/20 11:52	1

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: MB 580-346368/7
Matrix: Water
Analysis Batch: 346368

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.50	0.26 ug/L			12/23/20 11:52	1
Tetrachloroethene	ND		0.50	0.084 ug/L			12/23/20 11:52	1
Toluene	ND		0.20	0.050 ug/L			12/23/20 11:52	1
trans-1,2-Dichloroethene	ND		0.20	0.033 ug/L			12/23/20 11:52	1
trans-1,3-Dichloropropene	ND		0.20	0.092 ug/L			12/23/20 11:52	1
Trichloroethene	ND		0.20	0.066 ug/L			12/23/20 11:52	1
Trichlorofluoromethane	ND		0.50	0.043 ug/L			12/23/20 11:52	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/23/20 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		80 - 120		12/23/20 11:52	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/23/20 11:52	1
Dibromofluoromethane (Surr)	97		80 - 120		12/23/20 11:52	1
Toluene-d8 (Surr)	96		80 - 120		12/23/20 11:52	1

Lab Sample ID: LCS 580-346368/4
Matrix: Water
Analysis Batch: 346368

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	5.02		ug/L		100	79 - 127
1,1,1-Trichloroethane	5.00	4.90		ug/L		98	79 - 121
1,1,2,2-Tetrachloroethane	5.00	4.35		ug/L		87	76 - 123
1,1,2-Trichloroethane	5.00	5.01		ug/L		100	80 - 127
1,1-Dichloroethane	5.00	4.83		ug/L		97	74 - 120
1,1-Dichloroethene	5.00	5.22		ug/L		104	79 - 120
1,1-Dichloropropene	5.00	4.92		ug/L		98	72 - 120
1,2,3-Trichlorobenzene	5.00	4.41		ug/L		88	75 - 128
1,2,3-Trichloropropane	5.00	4.78		ug/L		96	75 - 127
1,2,4-Trichlorobenzene	5.00	4.22		ug/L		84	79 - 121
1,2,4-Trimethylbenzene	5.00	5.47		ug/L		109	78 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.44		ug/L		89	73 - 123
1,2-Dichlorobenzene	5.00	5.27		ug/L		105	80 - 129
1,2-Dichloroethane	5.00	4.50		ug/L		90	74 - 120
1,2-Dichloropropane	5.00	5.12		ug/L		102	80 - 130
1,3,5-Trimethylbenzene	5.00	5.38		ug/L		108	80 - 129
1,3-Dichlorobenzene	5.00	5.45		ug/L		109	80 - 130
1,3-Dichloropropane	5.00	4.98		ug/L		100	80 - 123
1,4-Dichlorobenzene	5.00	5.31		ug/L		106	80 - 129
2,2-Dichloropropane	5.00	3.73		ug/L		75	67 - 133
2-Chlorotoluene	5.00	5.32		ug/L		106	80 - 120
4-Chlorotoluene	5.00	5.42		ug/L		108	80 - 124
4-Isopropyltoluene	5.00	5.34		ug/L		107	78 - 132
Benzene	5.00	5.06		ug/L		101	73 - 120
Bromobenzene	5.00	5.02		ug/L		100	80 - 130
Bromoform	5.00	4.61		ug/L		92	69 - 125
Bromomethane	5.00	3.32	*-	ug/L		66	68 - 131
Carbon tetrachloride	5.00	4.83		ug/L		97	78 - 120

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 580-346368/4
Matrix: Water
Analysis Batch: 346368

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	5.00	5.42		ug/L		108	80 - 123
Chlorobromomethane	5.00	5.16		ug/L		103	79 - 131
Chlorodibromomethane	5.00	4.84		ug/L		97	76 - 126
Chloroethane	5.00	2.86	*	ug/L		57	70 - 135
Chloroform	5.00	4.93		ug/L		99	80 - 130
Chloromethane	5.00	2.66	*	ug/L		53	66 - 134
cis-1,2-Dichloroethene	5.00	4.99		ug/L		100	72 - 130
cis-1,3-Dichloropropene	5.00	4.67		ug/L		93	77 - 120
Dibromomethane	5.00	5.06		ug/L		101	65 - 141
Dichlorobromomethane	5.00	4.83		ug/L		97	74 - 120
Dichlorodifluoromethane	5.00	3.27		ug/L		65	58 - 126
Ethylbenzene	5.00	5.49		ug/L		110	80 - 130
Hexachlorobutadiene	5.00	5.03		ug/L		101	78 - 120
Isopropylbenzene	5.00	5.30		ug/L		106	83 - 131
Methyl tert-butyl ether	5.00	4.47		ug/L		89	73 - 125
Methylene Chloride	5.00	5.06		ug/L		101	68 - 134
m-Xylene & p-Xylene	5.00	5.58		ug/L		112	86 - 130
Naphthalene	5.00	3.79		ug/L		76	69 - 123
n-Butylbenzene	5.00	5.17		ug/L		103	80 - 127
N-Propylbenzene	5.00	5.25		ug/L		105	77 - 142
o-Xylene	5.00	5.25		ug/L		105	80 - 133
sec-Butylbenzene	5.00	5.09		ug/L		102	84 - 132
Styrene	5.00	5.52		ug/L		110	74 - 136
tert-Butylbenzene	5.00	5.55		ug/L		111	77 - 129
Tetrachloroethene	5.00	5.51		ug/L		110	75 - 131
Toluene	5.00	5.46		ug/L		109	80 - 126
trans-1,2-Dichloroethene	5.00	4.93		ug/L		99	63 - 133
trans-1,3-Dichloropropene	5.00	4.65		ug/L		93	71 - 128
Trichloroethene	5.00	5.72		ug/L		114	72 - 136
Trichlorofluoromethane	5.00	3.72	*	ug/L		74	75 - 120
Vinyl chloride	5.00	2.88	*	ug/L		58	69 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	92		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 580-346368/5
Matrix: Water
Analysis Batch: 346368

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
1,1,1,2-Tetrachloroethane	5.00	4.95		ug/L		99	79 - 127	1	11
1,1,1-Trichloroethane	5.00	4.73		ug/L		95	79 - 121	4	14
1,1,1,2,2-Tetrachloroethane	5.00	4.65		ug/L		93	76 - 123	7	10
1,1,2-Trichloroethane	5.00	4.96		ug/L		99	80 - 127	1	10
1,1-Dichloroethane	5.00	4.76		ug/L		95	74 - 120	1	10

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 580-346368/5
Matrix: Water
Analysis Batch: 346368

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
1,1-Dichloroethene	5.00	5.33		ug/L		107	79 - 120	2	17
1,1-Dichloropropene	5.00	4.75		ug/L		95	72 - 120	4	10
1,2,3-Trichlorobenzene	5.00	4.22		ug/L		84	75 - 128	4	20
1,2,3-Trichloropropane	5.00	4.98		ug/L		100	75 - 127	4	12
1,2,4-Trichlorobenzene	5.00	4.08		ug/L		82	79 - 121	3	20
1,2,4-Trimethylbenzene	5.00	5.33		ug/L		107	78 - 127	3	10
1,2-Dibromo-3-Chloropropane	5.00	4.05		ug/L		81	73 - 123	9	16
1,2-Dichlorobenzene	5.00	5.31		ug/L		106	80 - 129	1	10
1,2-Dichloroethane	5.00	4.56		ug/L		91	74 - 120	1	10
1,2-Dichloropropane	5.00	4.79		ug/L		96	80 - 130	7	14
1,3,5-Trimethylbenzene	5.00	5.32		ug/L		106	80 - 129	1	10
1,3-Dichlorobenzene	5.00	5.35		ug/L		107	80 - 130	2	12
1,3-Dichloropropane	5.00	4.93		ug/L		99	80 - 123	1	19
1,4-Dichlorobenzene	5.00	5.52		ug/L		110	80 - 129	4	11
2,2-Dichloropropane	5.00	3.66		ug/L		73	67 - 133	2	16
2-Chlorotoluene	5.00	5.27		ug/L		105	80 - 120	1	10
4-Chlorotoluene	5.00	5.43		ug/L		109	80 - 124	0	10
4-Isopropyltoluene	5.00	5.30		ug/L		106	78 - 132	1	14
Benzene	5.00	5.02		ug/L		100	73 - 120	1	10
Bromobenzene	5.00	4.91		ug/L		98	80 - 130	2	11
Bromoform	5.00	4.67		ug/L		93	69 - 125	1	10
Bromomethane	5.00	3.52		ug/L		70	68 - 131	6	18
Carbon tetrachloride	5.00	4.74		ug/L		95	78 - 120	2	10
Chlorobenzene	5.00	5.31		ug/L		106	80 - 123	2	12
Chlorobromomethane	5.00	5.17		ug/L		103	79 - 131	0	10
Chlorodibromomethane	5.00	4.70		ug/L		94	76 - 126	3	10
Chloroethane	5.00	2.94	*	ug/L		59	70 - 135	3	20
Chloroform	5.00	4.83		ug/L		97	80 - 130	2	10
Chloromethane	5.00	2.77	*	ug/L		55	66 - 134	4	16
cis-1,2-Dichloroethene	5.00	4.95		ug/L		99	72 - 130	1	10
cis-1,3-Dichloropropene	5.00	4.78		ug/L		96	77 - 120	2	10
Dibromomethane	5.00	5.08		ug/L		102	65 - 141	0	10
Dichlorobromomethane	5.00	4.83		ug/L		97	74 - 120	0	10
Dichlorodifluoromethane	5.00	3.14		ug/L		63	58 - 126	4	16
Ethylbenzene	5.00	5.33		ug/L		107	80 - 130	3	10
Hexachlorobutadiene	5.00	4.80		ug/L		96	78 - 120	5	15
Isopropylbenzene	5.00	5.15		ug/L		103	83 - 131	3	10
Methyl tert-butyl ether	5.00	4.29		ug/L		86	73 - 125	4	12
Methylene Chloride	5.00	5.02		ug/L		100	68 - 134	1	18
m-Xylene & p-Xylene	5.00	5.39		ug/L		108	86 - 130	3	10
Naphthalene	5.00	3.68		ug/L		74	69 - 123	3	20
n-Butylbenzene	5.00	5.04		ug/L		101	80 - 127	3	10
N-Propylbenzene	5.00	5.17		ug/L		103	77 - 142	2	20
o-Xylene	5.00	5.17		ug/L		103	80 - 133	2	10
sec-Butylbenzene	5.00	5.01		ug/L		100	84 - 132	1	10
Styrene	5.00	5.47		ug/L		109	74 - 136	1	10
tert-Butylbenzene	5.00	5.45		ug/L		109	77 - 129	2	10
Tetrachloroethene	5.00	5.31		ug/L		106	75 - 131	4	20
Toluene	5.00	5.26		ug/L		105	80 - 126	4	20

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 580-346368/5
Matrix: Water
Analysis Batch: 346368

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
trans-1,2-Dichloroethene	5.00	4.71		ug/L		94	63 - 133	4	17
trans-1,3-Dichloropropene	5.00	4.60		ug/L		92	71 - 128	1	16
Trichloroethene	5.00	5.22		ug/L		104	72 - 136	9	14
Trichlorofluoromethane	5.00	3.68	*-	ug/L		74	75 - 120	1	13
Vinyl chloride	5.00	2.75	*-	ug/L		55	69 - 128	5	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	93		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 580-346502/7
Matrix: Water
Analysis Batch: 346502

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.168	J	0.30	ug/L			12/24/20 11:15	1
Ethylbenzene	ND		0.20	ug/L			12/24/20 11:15	1
m-Xylene & p-Xylene	ND		0.50	ug/L			12/24/20 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121	S1+	80 - 120		12/24/20 11:15	1
4-Bromofluorobenzene (Surr)	114		80 - 120		12/24/20 11:15	1
Dibromofluoromethane (Surr)	103		80 - 120		12/24/20 11:15	1
Toluene-d8 (Surr)	92		80 - 120		12/24/20 11:15	1

Lab Sample ID: LCS 580-346502/4
Matrix: Water
Analysis Batch: 346502

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	5.00	4.37		ug/L		87	78 - 127
Ethylbenzene	5.00	4.83		ug/L		97	80 - 130
m-Xylene & p-Xylene	5.00	4.95		ug/L		99	86 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		80 - 120
4-Bromofluorobenzene (Surr)	116		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	91		80 - 120

Lab Sample ID: LCSD 580-346502/5
Matrix: Water
Analysis Batch: 346502

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
1,2,4-Trimethylbenzene	5.00	4.21		ug/L		84	78 - 127	4	10

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 580-346502/5
Matrix: Water
Analysis Batch: 346502

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
Ethylbenzene	5.00	4.70		ug/L		94	80 - 130	3	10
m-Xylene & p-Xylene	5.00	4.84		ug/L		97	86 - 130	2	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	103		80 - 120						
4-Bromofluorobenzene (Surr)	116		80 - 120						
Dibromofluoromethane (Surr)	99		80 - 120						
Toluene-d8 (Surr)	92		80 - 120						

Lab Sample ID: MB 580-346723/7
Matrix: Water
Analysis Batch: 346723

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.50	0.096 ug/L			12/29/20 11:04	1
Chloromethane	ND		0.50	0.068 ug/L			12/29/20 11:04	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/29/20 11:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1,2-Dichloroethane-d4 (Surr)	90		80 - 120		12/29/20 11:04	1		
4-Bromofluorobenzene (Surr)	106		80 - 120		12/29/20 11:04	1		
Dibromofluoromethane (Surr)	97		80 - 120		12/29/20 11:04	1		
Toluene-d8 (Surr)	98		80 - 120		12/29/20 11:04	1		

Lab Sample ID: LCS 580-346723/4
Matrix: Water
Analysis Batch: 346723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloroethane	5.00	4.68		ug/L		94	70 - 135		
Chloromethane	5.00	4.30		ug/L		86	66 - 134		
Vinyl chloride	5.00	4.52		ug/L		90	69 - 128		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	89		80 - 120						
4-Bromofluorobenzene (Surr)	105		80 - 120						
Dibromofluoromethane (Surr)	100		80 - 120						
Toluene-d8 (Surr)	98		80 - 120						

Lab Sample ID: LCSD 580-346723/5
Matrix: Water
Analysis Batch: 346723

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
Chloroethane	5.00	4.27		ug/L		85	70 - 135	9	20
Chloromethane	5.00	4.17		ug/L		83	66 - 134	3	16
Vinyl chloride	5.00	4.23		ug/L		85	69 - 128	7	21

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 580-346723/5
Matrix: Water
Analysis Batch: 346723

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

<i>Surrogate</i>	<i>LCS</i> <i>%Recovery</i>	<i>LCS</i> <i>Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 580-346748/7
Matrix: Water
Analysis Batch: 346748

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

<i>Analyte</i>	<i>MB</i> <i>Result</i>	<i>MB</i> <i>Qualifier</i>	<i>RL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Chloroethane	ND		0.50	0.096 ug/L			12/29/20 22:36	1
Chloromethane	ND		0.50	0.068 ug/L			12/29/20 22:36	1
Vinyl chloride	ND		0.020	0.013 ug/L			12/29/20 22:36	1

<i>Surrogate</i>	<i>MB</i> <i>%Recovery</i>	<i>MB</i> <i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	93		80 - 120		12/29/20 22:36	1
4-Bromofluorobenzene (Surr)	106		80 - 120		12/29/20 22:36	1
Dibromofluoromethane (Surr)	98		80 - 120		12/29/20 22:36	1
Toluene-d8 (Surr)	98		80 - 120		12/29/20 22:36	1

Lab Sample ID: LCS 580-346748/4
Matrix: Water
Analysis Batch: 346748

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

<i>Analyte</i>	<i>Spike</i> <i>Added</i>	<i>LCS</i> <i>Result</i>	<i>LCS</i> <i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i> <i>Limits</i>
Chloroethane	5.00	4.76		ug/L		95	70 - 135
Chloromethane	5.00	4.14		ug/L		83	66 - 134
Vinyl chloride	5.00	4.36		ug/L		87	69 - 128

<i>Surrogate</i>	<i>LCS</i> <i>%Recovery</i>	<i>LCS</i> <i>Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 580-346748/5
Matrix: Water
Analysis Batch: 346748

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

<i>Analyte</i>	<i>Spike</i> <i>Added</i>	<i>LCSD</i> <i>Result</i>	<i>LCSD</i> <i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i> <i>Limits</i>	<i>RPD</i>	<i>RPD</i> <i>Limit</i>
Chloroethane	5.00	4.68		ug/L		94	70 - 135	2	20
Chloromethane	5.00	3.95		ug/L		79	66 - 134	5	16
Vinyl chloride	5.00	4.15		ug/L		83	69 - 128	5	21

<i>Surrogate</i>	<i>LCSD</i> <i>%Recovery</i>	<i>LCSD</i> <i>Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120

QC Sample Results

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 580-346748/5
Matrix: Water
Analysis Batch: 346748

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	97		80 - 120

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

Lab Sample ID: MB 580-345819/15
Matrix: Water
Analysis Batch: 345819

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/17/20 16:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150		12/17/20 16:54	1

Lab Sample ID: LCS 580-345819/13
Matrix: Water
Analysis Batch: 345819

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1.00	0.950		mg/L		95	79 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		50 - 150

Lab Sample ID: LCSD 580-345819/14
Matrix: Water
Analysis Batch: 345819

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	1.00	0.924		mg/L		92	79 - 120	3	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		50 - 150

Lab Sample ID: MB 580-345853/4
Matrix: Water
Analysis Batch: 345853

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.25	0.10 mg/L			12/16/20 01:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150		12/16/20 01:43	1

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 580-345853/5
Matrix: Water
Analysis Batch: 345853

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1.00	0.868		mg/L		87	79 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	97		50 - 150				

Lab Sample ID: LCSD 580-345853/6
Matrix: Water
Analysis Batch: 345853

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	1.00	0.952		mg/L		95	79 - 120	9	10
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		50 - 150						

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-346125/1-A
Matrix: Water
Analysis Batch: 346194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346125

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	ug/L		12/21/20 15:26	12/22/20 13:42	1
Surrogate	%Recovery	MB Qualifier	Limits					
1,2-Dibromopropane	101		60 - 140					

Lab Sample ID: LCS 580-346125/2-A
Matrix: Water
Analysis Batch: 346194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	0.0576	0.0638		ug/L		111	60 - 140
Surrogate	%Recovery	LCS Qualifier	Limits				
1,2-Dibromopropane	91		60 - 140				

Lab Sample ID: LCSD 580-346125/3-A
Matrix: Water
Analysis Batch: 346194

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346125

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	0.0576	0.0642		ug/L		112	60 - 140	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1,2-Dibromopropane	103		60 - 140						

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LLCS 580-346125/4-A
Matrix: Water
Analysis Batch: 346194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346125
%Rec.

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Ethylene Dibromide	0.0115	0.0133		ug/L		116	60 - 145
Surrogate	%Recovery	LLCS Qualifier	Limits				
1,2-Dibromopropane	105		60 - 140				

Lab Sample ID: MB 580-346234/1-A
Matrix: Water
Analysis Batch: 346307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346234

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010	0.0020 ug/L		12/22/20 15:38	12/23/20 10:44	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1,2-Dibromopropane	108		60 - 140	12/22/20 15:38	12/23/20 10:44	1		

Lab Sample ID: LCS 580-346234/2-A
Matrix: Water
Analysis Batch: 346307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346234
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Ethylene Dibromide	0.0576	0.0684		ug/L		119	60 - 140
Surrogate	%Recovery	LCS Qualifier	Limits				
1,2-Dibromopropane	106		60 - 140				

Lab Sample ID: LCSD 580-346234/3-A
Matrix: Water
Analysis Batch: 346307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346234
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ethylene Dibromide	0.0576	0.0680		ug/L		118	60 - 140	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1,2-Dibromopropane	107		60 - 140						

Lab Sample ID: LLCS 580-346234/4-A
Matrix: Water
Analysis Batch: 346307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346234
%Rec.

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Ethylene Dibromide	0.0115	0.0120		ug/L		105	60 - 145
Surrogate	%Recovery	LLCS Qualifier	Limits				
1,2-Dibromopropane	106		60 - 140				

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-520867/1-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520867

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		1.0	0.46 ug/L		12/17/20 16:00	01/17/21 17:32	1
2,4-D	ND		4.0	0.53 ug/L		12/17/20 16:00	01/17/21 17:32	1
2,4-DB	ND		4.0	0.75 ug/L		12/17/20 16:00	01/17/21 17:32	1
Dalapon	ND		2.0	0.91 ug/L		12/17/20 16:00	01/17/21 17:32	1
Dicamba	ND		2.0	0.44 ug/L		12/17/20 16:00	01/17/21 17:32	1
Dichlorprop	ND		4.0	0.65 ug/L		12/17/20 16:00	01/17/21 17:32	1
Dinoseb	ND		1.0	0.45 ug/L		12/17/20 16:00	01/17/21 17:32	1
MCPA	ND		400	48 ug/L		12/17/20 16:00	01/17/21 17:32	1
MCPP	ND		400	33 ug/L		12/17/20 16:00	01/17/21 17:32	1
Picloram	ND		0.50	0.24 ug/L		12/17/20 16:00	01/17/21 17:32	1
Silvex (2,4,5-TP)	ND		1.0	0.17 ug/L		12/17/20 16:00	01/17/21 17:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	121		39 - 135	12/17/20 16:00	01/17/21 17:32	1

Lab Sample ID: LCS 280-520867/2-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-T	5.00	5.67		ug/L		113	42 - 121
2,4-D	5.00	5.12		ug/L		102	41 - 124
2,4-DB	5.00	3.77	J	ug/L		75	35 - 117
Dalapon	5.00	5.10		ug/L		102	24 - 124
Dicamba	5.00	4.95		ug/L		99	44 - 114
Dichlorprop	5.00	5.29		ug/L		106	46 - 117
Dinoseb	5.00	5.47		ug/L		109	59 - 179
MCPA	500	434		ug/L		87	37 - 106
MCPP	500	640		ug/L		128	33 - 131
Picloram	5.00	2.79		ug/L		56	39 - 109
Silvex (2,4,5-TP)	5.00	5.46		ug/L		109	48 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	118		39 - 135

Lab Sample ID: LCSD 280-520867/3-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 520867

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,4,5-T	5.00	1.33	*- *1	ug/L		27	42 - 121	124	30
2,4-D	5.00	1.28	J *- *1	ug/L		26	41 - 124	120	30
2,4-DB	5.00	1.14	J *- *1	ug/L		23	35 - 117	107	30
Dalapon	5.00	1.18	J *1	ug/L		24	24 - 124	125	30
Dicamba	5.00	1.28	J *- *1	ug/L		26	44 - 114	118	30
Dichlorprop	5.00	1.41	J *- *1	ug/L		28	46 - 117	116	30
Dinoseb	5.00	1.35	*- *1	ug/L		27	59 - 179	121	30
MCPA	500	175	J *- *1	ug/L		35	37 - 106	85	30

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 280-520867/3-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 520867

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
MCPP	500	1200	*+ *1	ug/L		240	33 - 131	61	30
Picloram	5.00	1.39	*- *1	ug/L		28	39 - 109	67	30
Silvex (2,4,5-TP)	5.00	1.44	*- *1	ug/L		29	48 - 123	117	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4-Dichlorophenylacetic acid	27	S1-	39 - 135

Lab Sample ID: MB 280-521005/1-A
Matrix: Water
Analysis Batch: 523295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521005

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		1.0	0.46 ug/L		12/18/20 15:16	01/13/21 15:21	1
2,4-D	ND		4.0	0.53 ug/L		12/18/20 15:16	01/13/21 15:21	1
2,4-DB	ND		4.0	0.75 ug/L		12/18/20 15:16	01/13/21 15:21	1
Dalapon	ND		2.0	0.91 ug/L		12/18/20 15:16	01/13/21 15:21	1
Dicamba	ND		2.0	0.44 ug/L		12/18/20 15:16	01/13/21 15:21	1
Dichlorprop	ND		4.0	0.65 ug/L		12/18/20 15:16	01/13/21 15:21	1
Dinoseb	ND		1.0	0.45 ug/L		12/18/20 15:16	01/13/21 15:21	1
MCPA	ND		400	48 ug/L		12/18/20 15:16	01/13/21 15:21	1
MCPP	ND		400	33 ug/L		12/18/20 15:16	01/13/21 15:21	1
Picloram	ND		0.50	0.24 ug/L		12/18/20 15:16	01/13/21 15:21	1
Silvex (2,4,5-TP)	ND		1.0	0.17 ug/L		12/18/20 15:16	01/13/21 15:21	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	148	S1+	39 - 135	12/18/20 15:16	01/13/21 15:21	1

Lab Sample ID: MB 280-521005/1-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521005

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		1.0	0.46 ug/L		12/18/20 15:16	01/17/21 11:35	1
2,4-D	ND		4.0	0.53 ug/L		12/18/20 15:16	01/17/21 11:35	1
2,4-DB	ND		4.0	0.75 ug/L		12/18/20 15:16	01/17/21 11:35	1
Dalapon	ND		2.0	0.91 ug/L		12/18/20 15:16	01/17/21 11:35	1
Dicamba	ND		2.0	0.44 ug/L		12/18/20 15:16	01/17/21 11:35	1
Dichlorprop	ND		4.0	0.65 ug/L		12/18/20 15:16	01/17/21 11:35	1
Dinoseb	ND		1.0	0.45 ug/L		12/18/20 15:16	01/17/21 11:35	1
MCPA	ND		400	48 ug/L		12/18/20 15:16	01/17/21 11:35	1
MCPP	ND		400	33 ug/L		12/18/20 15:16	01/17/21 11:35	1
Picloram	ND		0.50	0.24 ug/L		12/18/20 15:16	01/17/21 11:35	1
Silvex (2,4,5-TP)	ND		1.0	0.17 ug/L		12/18/20 15:16	01/17/21 11:35	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	110		39 - 135	12/18/20 15:16	01/17/21 11:35	1

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: MB 280-521005/1-A
Matrix: Water
Analysis Batch: 523928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521005

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
2,4,5-T	ND		1.0	0.46 ug/L		12/18/20 15:16	01/19/21 21:47	1
2,4-D	ND		4.0	0.53 ug/L		12/18/20 15:16	01/19/21 21:47	1
2,4-DB	ND		4.0	0.75 ug/L		12/18/20 15:16	01/19/21 21:47	1
Dalapon	ND		2.0	0.91 ug/L		12/18/20 15:16	01/19/21 21:47	1
Dicamba	ND		2.0	0.44 ug/L		12/18/20 15:16	01/19/21 21:47	1
Dichlorprop	ND		4.0	0.65 ug/L		12/18/20 15:16	01/19/21 21:47	1
Dinoseb	ND		1.0	0.45 ug/L		12/18/20 15:16	01/19/21 21:47	1
MCPA	ND		400	48 ug/L		12/18/20 15:16	01/19/21 21:47	1
MCPP	ND		400	33 ug/L		12/18/20 15:16	01/19/21 21:47	1
Picloram	ND		0.50	0.24 ug/L		12/18/20 15:16	01/19/21 21:47	1
Silvex (2,4,5-TP)	ND		1.0	0.17 ug/L		12/18/20 15:16	01/19/21 21:47	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4-Dichlorophenylacetic acid	96		39 - 135	12/18/20 15:16	01/19/21 21:47	1

Lab Sample ID: LCS 280-521005/2-A
Matrix: Water
Analysis Batch: 523295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521005

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
2,4,5-T	5.00	6.35	*+	ug/L		127	42 - 121
2,4-D	5.00	5.91		ug/L		118	41 - 124
2,4-DB	5.00	4.55		ug/L		91	35 - 117
Dalapon	5.00	4.73		ug/L		95	24 - 124
Dicamba	5.00	7.23	*+	ug/L		145	44 - 114
Dichlorprop	5.00	6.21	*+	ug/L		124	46 - 117
Dinoseb	5.00	3.94		ug/L		79	59 - 179
MCPA	500	498		ug/L		100	37 - 106
MCPP	500	822	*+	ug/L		164	33 - 131
Picloram	5.00	5.36		ug/L		107	39 - 109
Silvex (2,4,5-TP)	5.00	6.08		ug/L		122	48 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	129		39 - 135

Lab Sample ID: LCS 280-521005/2-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521005

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
2,4,5-T	5.00	5.36		ug/L		107	42 - 121
2,4-D	5.00	5.65		ug/L		113	41 - 124
2,4-DB	5.00	5.26		ug/L		105	35 - 117
Dalapon	5.00	3.97		ug/L		79	24 - 124
Dicamba	5.00	4.48		ug/L		90	44 - 114
Dichlorprop	5.00	5.04		ug/L		101	46 - 117
Dinoseb	5.00	3.71		ug/L		74	59 - 179
MCPA	500	529		ug/L		106	37 - 106

Eurofins TestAmerica, Seattle

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 280-521005/2-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521005

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
MCPP	500	629		ug/L		126	33 - 131	
Picloram	5.00	4.70		ug/L		94	39 - 109	
Silvex (2,4,5-TP)	5.00	5.10		ug/L		102	48 - 123	
		LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits					
2,4-Dichlorophenylacetic acid	104		39 - 135					

Lab Sample ID: LCS 280-521005/2-A
Matrix: Water
Analysis Batch: 523928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521005

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
2,4,5-T	5.00	4.32		ug/L		86	42 - 121	
2,4-D	5.00	3.85	J	ug/L		77	41 - 124	
2,4-DB	5.00	4.60		ug/L		92	35 - 117	
Dalapon	5.00	3.07		ug/L		61	24 - 124	
Dicamba	5.00	3.56		ug/L		71	44 - 114	
Dichlorprop	5.00	3.78	J	ug/L		76	46 - 117	
Dinoseb	5.00	3.07		ug/L		61	59 - 179	
MCPA	500	342	J	ug/L		68	37 - 106	
MCPP	500	450		ug/L		90	33 - 131	
Picloram	5.00	3.51		ug/L		70	39 - 109	
Silvex (2,4,5-TP)	5.00	4.19		ug/L		84	48 - 123	
		LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits					
2,4-Dichlorophenylacetic acid	75		39 - 135					

Lab Sample ID: LCSD 280-521005/3-A
Matrix: Water
Analysis Batch: 523295

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 521005

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
									RPD	Limit
2,4,5-T	5.00	6.93	*+	ug/L		139	42 - 121	9	30	
2,4-D	5.00	7.09	*+	ug/L		142	41 - 124	18	30	
2,4-DB	5.00	5.56		ug/L		111	35 - 117	20	30	
Dalapon	5.00	5.38		ug/L		108	24 - 124	13	30	
Dicamba	5.00	8.03	*+	ug/L		161	44 - 114	10	30	
Dichlorprop	5.00	7.71	*+	ug/L		154	46 - 117	22	30	
Dinoseb	5.00	4.50		ug/L		90	59 - 179	13	30	
MCPA	500	763	*+ *1	ug/L		153	37 - 106	42	30	
MCPP	500	1220	*+ *1	ug/L		244	33 - 131	39	30	
Picloram	5.00	5.71	*+	ug/L		114	39 - 109	6	30	
Silvex (2,4,5-TP)	5.00	6.95	*+	ug/L		139	48 - 123	13	30	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
2,4-Dichlorophenylacetic acid	148	S1+	39 - 135							

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCSD 280-521005/3-A
Matrix: Water
Analysis Batch: 523736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 521005

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,4,5-T	5.00	5.39		ug/L		108	42 - 121	1	30
2,4-D	5.00	5.94		ug/L		119	41 - 124	5	30
2,4-DB	5.00	5.20		ug/L		104	35 - 117	1	30
Dalapon	5.00	4.72		ug/L		94	24 - 124	17	30
Dicamba	5.00	4.84		ug/L		97	44 - 114	8	30
Dichlorprop	5.00	5.29		ug/L		106	46 - 117	5	30
Dinoseb	5.00	4.01		ug/L		80	59 - 179	8	30
MCPA	500	531		ug/L		106	37 - 106	0	30
MCPP	500	669	*+	ug/L		134	33 - 131	6	30
Picloram	5.00	5.04		ug/L		101	39 - 109	7	30
Silvex (2,4,5-TP)	5.00	5.43		ug/L		109	48 - 123	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	111		39 - 135

Lab Sample ID: LCSD 280-521005/3-A
Matrix: Water
Analysis Batch: 523928

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 521005

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,4,5-T	5.00	4.78		ug/L		96	42 - 121	10	30
2,4-D	5.00	4.51		ug/L		90	41 - 124	16	30
2,4-DB	5.00	5.44		ug/L		109	35 - 117	17	30
Dalapon	5.00	4.02		ug/L		80	24 - 124	27	30
Dicamba	5.00	4.21		ug/L		84	44 - 114	17	30
Dichlorprop	5.00	4.51		ug/L		90	46 - 117	18	30
Dinoseb	5.00	3.76		ug/L		75	59 - 179	20	30
MCPA	500	418		ug/L		84	37 - 106	20	30
MCPP	500	560		ug/L		112	33 - 131	22	30
Picloram	5.00	4.11		ug/L		82	39 - 109	16	30
Silvex (2,4,5-TP)	5.00	4.88		ug/L		98	48 - 123	15	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	87		39 - 135

Lab Sample ID: MB 280-523267/1-A
Matrix: Water
Analysis Batch: 524166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 523267

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		1.0	0.46 ug/L		01/12/21 15:52	01/21/21 15:53	1
2,4-D	ND		4.0	0.53 ug/L		01/12/21 15:52	01/21/21 15:53	1
2,4-DB	ND		4.0	0.75 ug/L		01/12/21 15:52	01/21/21 15:53	1
Dalapon	ND		2.0	0.91 ug/L		01/12/21 15:52	01/21/21 15:53	1
Dicamba	ND		2.0	0.44 ug/L		01/12/21 15:52	01/21/21 15:53	1
Dichlorprop	ND		4.0	0.65 ug/L		01/12/21 15:52	01/21/21 15:53	1
Dinoseb	ND		1.0	0.45 ug/L		01/12/21 15:52	01/21/21 15:53	1
MCPA	ND		400	48 ug/L		01/12/21 15:52	01/21/21 15:53	1

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: MB 280-523267/1-A
Matrix: Water
Analysis Batch: 524166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 523267

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	ND		400	33 ug/L		01/12/21 15:52	01/21/21 15:53	1
Picloram	ND		0.50	0.24 ug/L		01/12/21 15:52	01/21/21 15:53	1
Silvex (2,4,5-TP)	ND		1.0	0.17 ug/L		01/12/21 15:52	01/21/21 15:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	74		39 - 135			01/12/21 15:52	01/21/21 15:53	1

Lab Sample ID: LCS 280-523267/2-A
Matrix: Water
Analysis Batch: 524166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 523267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-T	5.00	3.41		ug/L		68	42 - 121
2,4-D	5.00	4.01		ug/L		80	41 - 124
2,4-DB	5.00	4.19		ug/L		84	35 - 117
Dalapon	5.00	3.60		ug/L		72	24 - 124
Dicamba	5.00	3.47		ug/L		69	44 - 114
Dichlorprop	5.00	3.67	J	ug/L		73	46 - 117
Dinoseb	5.00	3.25		ug/L		65	59 - 179
MCPA	500	425		ug/L		85	37 - 106
MCPP	500	457		ug/L		91	33 - 131
Picloram	5.00	3.81		ug/L		76	39 - 109
Silvex (2,4,5-TP)	5.00	3.61		ug/L		72	48 - 123
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4-Dichlorophenylacetic acid	84		39 - 135				

Lab Sample ID: LCSD 280-523267/3-A
Matrix: Water
Analysis Batch: 524166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 523267

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,4,5-T	5.00	3.70		ug/L		74	42 - 121	8	30
2,4-D	5.00	3.85	J	ug/L		77	41 - 124	4	30
2,4-DB	5.00	3.66	J	ug/L		73	35 - 117	13	30
Dalapon	5.00	3.98		ug/L		80	24 - 124	10	30
Dicamba	5.00	3.36		ug/L		67	44 - 114	3	30
Dichlorprop	5.00	3.88	J	ug/L		78	46 - 117	6	30
Dinoseb	5.00	3.18		ug/L		64	59 - 179	2	30
MCPA	500	429		ug/L		86	37 - 106	1	30
MCPP	500	522		ug/L		104	33 - 131	13	30
Picloram	5.00	3.76		ug/L		75	39 - 109	1	30
Silvex (2,4,5-TP)	5.00	4.09		ug/L		82	48 - 123	13	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
2,4-Dichlorophenylacetic acid	81		39 - 135						

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: MB 580-346190/1-A
Matrix: Water
Analysis Batch: 346287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346190

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
#2 Diesel (C10-C24)	0.0724	J	0.11	0.065 mg/L		12/22/20 11:38	12/23/20 11:53	1
Motor Oil (>C24-C36)	ND		0.35	0.096 mg/L		12/22/20 11:38	12/23/20 11:53	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
%Recovery	Qualifier							
<i>o</i> -Terphenyl	91		50 - 150			12/22/20 11:38	12/23/20 11:53	1

Lab Sample ID: LCS 580-346190/2-A
Matrix: Water
Analysis Batch: 346287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346190

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
Motor Oil (>C24-C36)	2.00	1.95		mg/L		97	64 - 120	
Surrogate	LCS LCS		Limits			%Recovery	Qualifier	Limits
%Recovery								
<i>o</i> -Terphenyl	77		50 - 150					

Lab Sample ID: LCSD 580-346190/3-A
Matrix: Water
Analysis Batch: 346287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346190

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Motor Oil (>C24-C36)	2.00	1.89		mg/L		94	64 - 120	3	24
Surrogate	LCSD LCSD		Limits			%Recovery	Qualifier	Limits	RPD
%Recovery									
<i>o</i> -Terphenyl	79		50 - 150						

Lab Sample ID: MB 580-346218/1-A
Matrix: Water
Analysis Batch: 346277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346218

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
#2 Diesel (C10-C24)	ND		0.11	0.065 mg/L		12/22/20 14:33	12/23/20 02:14	1
Motor Oil (>C24-C36)	ND		0.35	0.096 mg/L		12/22/20 14:33	12/23/20 02:14	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
%Recovery	Qualifier							
<i>o</i> -Terphenyl	85		50 - 150			12/22/20 14:33	12/23/20 02:14	1

Lab Sample ID: LCS 580-346218/2-A
Matrix: Water
Analysis Batch: 346277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
Motor Oil (>C24-C36)	2.00	1.99		mg/L		100	64 - 120	

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: LCS 580-346218/2-A
Matrix: Water
Analysis Batch: 346277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346218

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	104		50 - 150

Lab Sample ID: LCSD 580-346218/3-A
Matrix: Water
Analysis Batch: 346277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346218

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
#2 Diesel (C10-C24)	2.00	2.08		mg/L		104	50 - 120	4	26	
Motor Oil (>C24-C36)	2.00	2.12		mg/L		106	64 - 120	6	24	

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	107		50 - 150

Lab Sample ID: MB 580-346323/1-A
Matrix: Water
Analysis Batch: 346498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346323

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.11	0.065 mg/L		12/23/20 10:57	12/24/20 12:54	1
Motor Oil (>C24-C36)	ND		0.35	0.096 mg/L		12/23/20 10:57	12/24/20 12:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150	12/23/20 10:57	12/24/20 12:54	1

Lab Sample ID: LCS 580-346323/2-A
Matrix: Water
Analysis Batch: 346498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
#2 Diesel (C10-C24)	2.00	1.87		mg/L		94	50 - 120	
Motor Oil (>C24-C36)	2.00	1.87		mg/L		93	64 - 120	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	85		50 - 150

Lab Sample ID: LCSD 580-346323/3-A
Matrix: Water
Analysis Batch: 346498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346323

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
#2 Diesel (C10-C24)	2.00	1.89		mg/L		94	50 - 120	1	26	
Motor Oil (>C24-C36)	2.00	1.89		mg/L		95	64 - 120	1	24	

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	77		50 - 150

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-345862/21-A
Matrix: Water
Analysis Batch: 346045

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 345862

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0010 mg/L		12/17/20 19:33	12/18/20 13:39	5
Barium	ND		0.0060	0.0011 mg/L		12/17/20 19:33	12/18/20 13:39	5
Cadmium	ND		0.0040	0.00050 mg/L		12/17/20 19:33	12/18/20 13:39	5
Chromium	ND		0.0040	0.00087 mg/L		12/17/20 19:33	12/18/20 13:39	5
Lead	ND		0.0040	0.0010 mg/L		12/17/20 19:33	12/18/20 13:39	5
Selenium	ND		0.040	0.010 mg/L		12/17/20 19:33	12/18/20 13:39	5
Silver	ND		0.0020	0.00028 mg/L		12/17/20 19:33	12/18/20 13:39	5

Lab Sample ID: LCS 580-345862/22-A
Matrix: Water
Analysis Batch: 346045

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 345862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.04		mg/L		104	80 - 120
Lead	1.00	1.05		mg/L		105	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	1.00	1.04		mg/L		104	80 - 120

Lab Sample ID: LCSD 580-345862/23-A
Matrix: Water
Analysis Batch: 346045

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 345862

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	1.02		mg/L		102	80 - 120	1	20
Barium	1.00	1.03		mg/L		103	80 - 120	1	20
Cadmium	1.00	1.03		mg/L		103	80 - 120	0	20
Chromium	1.00	1.04		mg/L		104	80 - 120	0	20
Lead	1.00	1.06		mg/L		106	80 - 120	1	20
Selenium	1.00	1.01		mg/L		101	80 - 120	0	20
Silver	1.00	1.03		mg/L		103	80 - 120	1	20

Lab Sample ID: 580-99774-1 MS
Matrix: Water
Analysis Batch: 346045

Client Sample ID: BH2-9-W-12
Prep Type: Dissolved
Prep Batch: 345862

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.038		1.00	0.950		mg/L		91	80 - 120
Barium	0.031		1.00	0.962		mg/L		93	80 - 120
Cadmium	ND		1.00	0.940		mg/L		94	80 - 120
Chromium	0.00098	J	1.00	0.923		mg/L		92	80 - 120
Lead	ND		1.00	0.945		mg/L		94	80 - 120
Selenium	ND		1.00	0.856		mg/L		86	80 - 120
Silver	ND		1.00	0.918		mg/L		92	80 - 120

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

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

Lab Sample ID: 580-99774-1 MSD
Matrix: Water
Analysis Batch: 346045

Client Sample ID: BH2-9-W-12
Prep Type: Dissolved
Prep Batch: 345862

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Arsenic	0.038		1.00	1.05		mg/L		101	80 - 120	10	20
Barium	0.031		1.00	1.02		mg/L		99	80 - 120	6	20
Cadmium	ND		1.00	1.02		mg/L		102	80 - 120	8	20
Chromium	0.00098	J	1.00	1.02		mg/L		102	80 - 120	10	20
Lead	ND		1.00	1.01		mg/L		101	80 - 120	7	20
Selenium	ND		1.00	1.00		mg/L		100	80 - 120	16	20
Silver	ND		1.00	0.941		mg/L		94	80 - 120	2	20

Lab Sample ID: 580-99774-1 DU
Matrix: Water
Analysis Batch: 346045

Client Sample ID: BH2-9-W-12
Prep Type: Dissolved
Prep Batch: 345862

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Arsenic	0.038		0.0368		mg/L		4	20
Barium	0.031		0.0297		mg/L		5	20
Cadmium	ND		ND		mg/L		NC	20
Chromium	0.00098	J	ND		mg/L		NC	20
Lead	ND		ND		mg/L		NC	20
Selenium	ND		ND		mg/L		NC	20
Silver	ND		ND		mg/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-346309/39
Matrix: Water
Analysis Batch: 346309

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	ND		0.90	0.14 mg/L			12/22/20 14:05	1
Sulfate	ND		1.2	0.26 mg/L			12/22/20 14:05	1

Lab Sample ID: LCS 580-346309/40
Matrix: Water
Analysis Batch: 346309

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
Chloride	50.0	52.9		mg/L		106	90 - 110
Sulfate	50.0	51.8		mg/L		104	90 - 110

Lab Sample ID: LCSD 580-346309/41
Matrix: Water
Analysis Batch: 346309

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Added	Result	Qualifier				Limits		
Chloride	50.0	52.9		mg/L		106	90 - 110	0	15
Sulfate	50.0	52.3		mg/L		105	90 - 110	1	15

QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-521122/20
Matrix: Water
Analysis Batch: 521122

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022 mg/L			12/18/20 13:20	1

Lab Sample ID: MB 280-521122/59
Matrix: Water
Analysis Batch: 521122

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022 mg/L			12/18/20 14:38	1

Lab Sample ID: LCS 280-521122/18
Matrix: Water
Analysis Batch: 521122

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	2.34		mg/L		94	90 - 110

Lab Sample ID: LCS 280-521122/57
Matrix: Water
Analysis Batch: 521122

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	2.36		mg/L		94	90 - 110

Lab Sample ID: LCSD 280-521122/19
Matrix: Water
Analysis Batch: 521122

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	2.49		mg/L		100	90 - 110	6	10

Lab Sample ID: LCSD 280-521122/58
Matrix: Water
Analysis Batch: 521122

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	2.43		mg/L		97	90 - 110	3	10

Lab Sample ID: 580-99774-6 MS
Matrix: Water
Analysis Batch: 521122

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.046	J F1 F2	1.00	1.03		mg/L		98	90 - 110

Lab Sample ID: 580-99774-6 MSD
Matrix: Water
Analysis Batch: 521122

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	0.046	J F1 F2	1.00	0.0484	J F1 F2	mg/L		0.2	90 - 110	182	10

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-521509/104
Matrix: Water
Analysis Batch: 521509

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.019 mg/L			12/22/20 20:28	1

Lab Sample ID: MB 280-521509/22
Matrix: Water
Analysis Batch: 521509

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0382	J	0.10	0.019 mg/L			12/22/20 17:44	1

Lab Sample ID: MB 280-521509/60
Matrix: Water
Analysis Batch: 521509

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.019 mg/L			12/22/20 19:00	1

Lab Sample ID: LCS 280-521509/103
Matrix: Water
Analysis Batch: 521509

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	5.21		mg/L		104	90 - 110

Lab Sample ID: LCS 280-521509/21
Matrix: Water
Analysis Batch: 521509

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	5.13		mg/L		103	90 - 110

Lab Sample ID: LCS 280-521509/59
Matrix: Water
Analysis Batch: 521509

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	4.59		mg/L		92	90 - 110

Lab Sample ID: 580-99774-13 MS
Matrix: Water
Analysis Batch: 521509

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	29	F1	20.0	40.1	F1	mg/L		57	90 - 110

Lab Sample ID: 580-99774-13 MSD
Matrix: Water
Analysis Batch: 521509

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	29	F1	20.0	40.8	F1	mg/L		60	90 - 110	2	10

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-9-W-12

Lab Sample ID: 580-99774-1

Date Collected: 12/09/20 09:26

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345806	12/17/20 13:04	T1W	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346029	12/20/20 15:21	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 03:20	CJB	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 16:54	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 19:31	T1W	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523295	01/13/21 18:57	MB	TAL DEN
Total/NA	Prep	3510C			346190	12/22/20 11:38	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346416	12/23/20 22:37	TL1	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 13:42	FCW	TAL SEA
Total/NA	Analysis	300.0		10	346309	12/22/20 05:42	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 14:12	BWH	TAL DEN
Total/NA	Analysis	353.2		1	521509	12/22/20 18:04	SVC	TAL DEN

Client Sample ID: BH2-10-W-12

Lab Sample ID: 580-99774-2

Date Collected: 12/09/20 10:43

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345806	12/17/20 13:29	T1W	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346029	12/20/20 15:46	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 03:44	CJB	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 19:46	T1W	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523295	01/13/21 19:19	MB	TAL DEN
Total/NA	Prep	3510C			346190	12/22/20 11:38	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346416	12/23/20 23:18	TL1	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 14:22	FCW	TAL SEA
Total/NA	Analysis	300.0		10	346309	12/22/20 06:29	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 14:26	BWH	TAL DEN
Total/NA	Analysis	353.2		1	521509	12/22/20 18:18	SVC	TAL DEN

Client Sample ID: BH2-7-W-16

Lab Sample ID: 580-99774-3

Date Collected: 12/09/20 08:25

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345806	12/17/20 13:55	T1W	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346029	12/20/20 16:10	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 04:08	CJB	TAL SEA

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-7-W-16

Lab Sample ID: 580-99774-3

Date Collected: 12/09/20 08:25

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 20:02	T1W	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523295	01/13/21 19:38	MB	TAL DEN
Total/NA	Prep	3510C			346190	12/22/20 11:38	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346416	12/23/20 23:38	TL1	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 14:26	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346309	12/22/20 06:40	AAC	TAL SEA
Total/NA	Analysis	300.0		10	346309	12/22/20 06:52	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 14:28	BWH	TAL DEN
Total/NA	Analysis	353.2		2	521509	12/22/20 18:20	SVC	TAL DEN

Client Sample ID: BH2-11-W-12

Lab Sample ID: 580-99774-4

Date Collected: 12/09/20 13:21

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345806	12/17/20 14:21	T1W	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346029	12/20/20 16:35	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 04:33	CJB	TAL SEA
Total/NA	Prep	8011			346125	12/21/20 15:26	S1S	TAL SEA
Total/NA	Analysis	8011		1	346194	12/22/20 20:18	T1W	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		2	523736	01/17/21 13:31	MB	TAL DEN
Total/NA	Prep	3510C			346190	12/22/20 11:38	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346416	12/23/20 23:58	TL1	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 14:30	FCW	TAL SEA
Total/NA	Analysis	300.0		10	346309	12/22/20 07:15	AAC	TAL SEA
Total/NA	Analysis	350.1		100	521122	12/18/20 14:30	BWH	TAL DEN
Total/NA	Analysis	353.2		2	521509	12/22/20 21:36	SVC	TAL DEN

Client Sample ID: BH2-18-W-12

Lab Sample ID: 580-99774-5

Date Collected: 12/09/20 07:15

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345806	12/17/20 14:46	T1W	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346029	12/20/20 17:00	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 04:57	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 11:47	TL1	TAL SEA

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: BH2-18-W-12

Lab Sample ID: 580-99774-5

Date Collected: 12/09/20 07:15

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		2	523928	01/19/21 23:07	MB	TAL DEN
Total/NA	Prep	3510C			346218	12/22/20 14:33	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346277	12/23/20 03:13	ADB	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 14:33	FCW	TAL SEA
Total/NA	Analysis	300.0		10	346309	12/22/20 07:39	AAC	TAL SEA
Total/NA	Analysis	350.1		10	521122	12/18/20 14:32	BWH	TAL DEN
Total/NA	Analysis	353.2		2	521509	12/22/20 21:38	SVC	TAL DEN

Client Sample ID: MW-1

Lab Sample ID: 580-99774-6

Date Collected: 12/10/20 14:09

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345965	12/19/20 05:15	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346502	12/24/20 15:26	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345819	12/17/20 19:20	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 12:03	TL1	TAL SEA
Total/NA	Prep	8151A			523267	01/12/21 15:52	KSA	TAL DEN
Total/NA	Analysis	8151A		2	524166	01/21/21 17:14	MB	TAL DEN
Total/NA	Prep	3510C			346218	12/22/20 14:33	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346277	12/23/20 05:10	ADB	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 14:37	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346309	12/22/20 07:51	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 14:40	BWH	TAL DEN
Total/NA	Analysis	353.2		1	521509	12/22/20 18:32	SVC	TAL DEN

Client Sample ID: MW-2

Lab Sample ID: 580-99774-7

Date Collected: 12/10/20 15:05

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	345965	12/19/20 05:40	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346502	12/24/20 15:51	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345819	12/17/20 21:22	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 12:19	TL1	TAL SEA
Total/NA	Prep	8151A			520867	12/17/20 16:00	DFB1	TAL DEN
Total/NA	Analysis	8151A		2	523736	01/17/21 21:45	MB	TAL DEN
Total/NA	Prep	3510C			346218	12/22/20 14:33	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346277	12/23/20 05:29	ADB	TAL SEA

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-2

Lab Sample ID: 580-99774-7

Date Collected: 12/10/20 15:05

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 14:41	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346309	12/22/20 08:14	AAC	TAL SEA
Total/NA	Analysis	300.0		10	346309	12/22/20 08:49	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 14:58	BWH	TAL DEN
Total/NA	Analysis	353.2		1	521509	12/22/20 18:34	SVC	TAL DEN

Client Sample ID: MW-3

Lab Sample ID: 580-99774-8

Date Collected: 12/11/20 09:27

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346184	12/22/20 18:20	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346748	12/30/20 04:47	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345819	12/17/20 21:46	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 12:34	TL1	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523295	01/13/21 20:35	MB	TAL DEN
Total/NA	Prep	3510C			346218	12/22/20 15:36	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346277	12/23/20 07:08	ADB	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 14:44	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346309	12/22/20 09:01	AAC	TAL SEA
Total/NA	Analysis	300.0		10	346309	12/22/20 09:12	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 15:00	BWH	TAL DEN
Total/NA	Analysis	353.2		1	521509	12/22/20 18:36	SVC	TAL DEN

Client Sample ID: MW-4

Lab Sample ID: 580-99774-9

Date Collected: 12/11/20 10:42

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346184	12/22/20 18:46	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346748	12/30/20 05:12	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345819	12/17/20 22:11	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 12:50	TL1	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523295	01/13/21 20:54	MB	TAL DEN
Total/NA	Prep	3510C			346323	12/23/20 10:57	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 20:05	ADB	TAL SEA

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-4

Lab Sample ID: 580-99774-9

Date Collected: 12/11/20 10:42

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 14:48	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346309	12/22/20 09:24	AAC	TAL SEA
Total/NA	Analysis	300.0		10	346309	12/22/20 09:36	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 15:02	BWH	TAL DEN
Total/NA	Analysis	353.2		2	521509	12/22/20 18:50	SVC	TAL DEN

Client Sample ID: MW-5R

Lab Sample ID: 580-99774-10

Date Collected: 12/11/20 11:41

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346184	12/22/20 19:12	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346748	12/30/20 05:36	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345819	12/17/20 22:35	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 13:06	TL1	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523295	01/13/21 21:13	MB	TAL DEN
Total/NA	Prep	3510C			346323	12/23/20 10:57	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 20:25	ADB	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 14:52	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346309	12/22/20 09:48	AAC	TAL SEA
Total/NA	Analysis	300.0		10	346309	12/22/20 09:59	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 15:04	BWH	TAL DEN
Total/NA	Analysis	353.2		1	521509	12/22/20 18:52	SVC	TAL DEN

Client Sample ID: MW-6

Lab Sample ID: 580-99774-11

Date Collected: 12/11/20 14:20

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346184	12/22/20 19:37	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346748	12/30/20 06:01	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345819	12/17/20 22:59	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 13:38	TL1	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523295	01/13/21 21:33	MB	TAL DEN
Total/NA	Prep	3510C			346323	12/23/20 10:57	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 20:45	ADB	TAL SEA

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-6

Lab Sample ID: 580-99774-11

Date Collected: 12/11/20 14:20

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 15:28	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346309	12/22/20 10:11	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 15:06	BWH	TAL DEN
Total/NA	Analysis	353.2		1	521509	12/22/20 18:54	SVC	TAL DEN

Client Sample ID: MW-7

Lab Sample ID: 580-99774-12

Date Collected: 12/11/20 13:14

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346184	12/22/20 20:03	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346723	12/29/20 18:53	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345819	12/17/20 23:24	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 13:54	TL1	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523295	01/13/21 21:53	MB	TAL DEN
Total/NA	Prep	3510C			346323	12/23/20 10:57	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 21:05	ADB	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 15:10	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346309	12/22/20 10:34	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 15:08	BWH	TAL DEN
Total/NA	Analysis	353.2		1	521509	12/22/20 18:56	SVC	TAL DEN

Client Sample ID: MW-8

Lab Sample ID: 580-99774-13

Date Collected: 12/11/20 08:18

Matrix: Water

Date Received: 12/15/20 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346184	12/22/20 20:29	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346723	12/29/20 19:18	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345819	12/17/20 23:48	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 14:10	TL1	TAL SEA
Total/NA	Prep	8151A			521005	12/18/20 15:16	DFB1	TAL DEN
Total/NA	Analysis	8151A		1	523295	01/13/21 22:34	MB	TAL DEN
Total/NA	Prep	3510C			346323	12/23/20 10:57	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 21:26	ADB	TAL SEA
Dissolved	Prep	3005A			345862	12/17/20 19:33	TMH	TAL SEA
Dissolved	Analysis	6020B		5	346045	12/18/20 15:14	FCW	TAL SEA
Total/NA	Analysis	300.0		1	346309	12/22/20 11:21	AAC	TAL SEA

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Client Sample ID: MW-8

Date Collected: 12/11/20 08:18

Date Received: 12/15/20 07:55

Lab Sample ID: 580-99774-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	346309	12/22/20 11:33	AAC	TAL SEA
Total/NA	Analysis	350.1		1	521122	12/18/20 15:10	BWH	TAL DEN
Total/NA	Analysis	353.2		5	521509	12/22/20 19:02	SVC	TAL DEN

Client Sample ID: TRIP BLANK

Date Collected: 12/11/20 16:00

Date Received: 12/15/20 07:55

Lab Sample ID: 580-99774-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	346368	12/23/20 12:18	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	346748	12/29/20 23:01	K1G	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345819	12/17/20 18:31	CJB	TAL SEA
Total/NA	Prep	8011			346234	12/22/20 15:38	S1S	TAL SEA
Total/NA	Analysis	8011		1	346307	12/23/20 14:26	TL1	TAL SEA

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Laboratory: Eurofins TestAmerica, Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2901	11-05-21

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
300.0		Water	Chloride
300.0		Water	Sulfate
6020B	3005A	Water	Arsenic
6020B	3005A	Water	Barium
6020B	3005A	Water	Cadmium
6020B	3005A	Water	Chromium
6020B	3005A	Water	Lead
6020B	3005A	Water	Selenium
6020B	3005A	Water	Silver
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	4-Isopropyltoluene
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon tetrachloride
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chlorobromomethane
8260C LL		Water	Chlorodibromomethane
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene

Accreditation/Certification Summary

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Laboratory: Eurofins TestAmerica, Seattle (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2901	11-05-21
8260C LL	Water	Dibromomethane	
8260C LL	Water	Dichlorobromomethane	
8260C LL	Water	Dichlorodifluoromethane	
8260C LL	Water	Ethylbenzene	
8260C LL	Water	Hexachlorobutadiene	
8260C LL	Water	Isopropylbenzene	
8260C LL	Water	Methyl tert-butyl ether	
8260C LL	Water	Methylene Chloride	
8260C LL	Water	m-Xylene & p-Xylene	
8260C LL	Water	Naphthalene	
8260C LL	Water	n-Butylbenzene	
8260C LL	Water	N-Propylbenzene	
8260C LL	Water	o-Xylene	
8260C LL	Water	sec-Butylbenzene	
8260C LL	Water	Styrene	
8260C LL	Water	tert-Butylbenzene	
8260C LL	Water	Tetrachloroethene	
8260C LL	Water	Toluene	
8260C LL	Water	trans-1,2-Dichloroethene	
8260C LL	Water	trans-1,3-Dichloropropene	
8260C LL	Water	Trichloroethene	
8260C LL	Water	Trichlorofluoromethane	
8260C LL	Water	Vinyl chloride	
NWTPH-Dx	3510C	Water	#2 Diesel (C10-C24)
NWTPH-Dx	3510C	Water	Motor Oil (>C24-C36)
NWTPH-Gx		Water	Gasoline

Accreditation/Certification Summary

Client: HDR Inc
 Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-08-21
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-21 *
Connecticut	State	PH-0686	09-30-20 *
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Maine	State	2019011 (231)	03-03-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-21
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-21
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-21 *
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	12-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-21 *
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-18-00099	03-26-21
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	02-28-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Seattle

Sample Summary

Client: HDR Inc
Project/Site: Simplot - Sunnyside, WA- 2020

Job ID: 580-99774-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-99774-1	BH2-9-W-12	Water	12/09/20 09:26	12/15/20 07:55	
580-99774-2	BH2-10-W-12	Water	12/09/20 10:43	12/15/20 07:55	
580-99774-3	BH2-7-W-16	Water	12/09/20 08:25	12/15/20 07:55	
580-99774-4	BH2-11-W-12	Water	12/09/20 13:21	12/15/20 07:55	
580-99774-5	BH2-18-W-12	Water	12/09/20 07:15	12/15/20 07:55	
580-99774-6	MW-1	Water	12/10/20 14:09	12/15/20 07:55	
580-99774-7	MW-2	Water	12/10/20 15:05	12/15/20 07:55	
580-99774-8	MW-3	Water	12/11/20 09:27	12/15/20 07:55	
580-99774-9	MW-4	Water	12/11/20 10:42	12/15/20 07:55	
580-99774-10	MW-5R	Water	12/11/20 11:41	12/15/20 07:55	
580-99774-11	MW-6	Water	12/11/20 14:20	12/15/20 07:55	
580-99774-12	MW-7	Water	12/11/20 13:14	12/15/20 07:55	
580-99774-13	MW-8	Water	12/11/20 08:18	12/15/20 07:55	
580-99774-14	TRIP BLANK	Water	12/11/20 16:00	12/15/20 07:55	

Chain of Custody Record



Client Information		Lab PM:		Carrier Tracking No(G):		COC No:					
Client Contact: Alyssa Veatch		Walker, Elaine M				580-41046-13156.3					
Company: HDR Inc		E-Mail: m.elaine.walker@eurofinset.com		State of Origin:		Page: 3 of 5					
Address: 412 E. Parkcenter Blvd. Suite 100		Due Date Requested:		Job #:		Preservation Codes:					
City: Boise		TAT Requested (days):				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Arsenic H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:					
State, Zip: ID, 83706-6659		Compliance Project: Δ Yes Δ No				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)					
Phone: 208-387-7033(Tel)		Purchase Order Requested				Total Number of containers					
Email: alyssa.veatch@hdrinc.com		WO #:				Special Instructions/Note:					
Project Name: Simplot - Sunnyside, WA- 2020		Project #:				*diss metals were field filtered					
Site:		S50WF:				*time 1321					
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=volatile, B=trace, A=air)	815A - Herbicide (Aqueous)	350.1, 353.2	300.0, 28D - (MOD) Local Method	602B - RCRA 8 Metals w/o Mercury	NWTPH_OX - Northwest - DRO/RRO	8260C_LL, NWTPH_Gx	8011 - (MOD) EDB and DBCP Only
BH2-9-W-12	12/9/2020	0926	G	Water	X	X	X	X	X	X	X
BH2-10-W-12	12/9/2020	1043	G	Water	X	X	X	X	X	X	X
BH2-7-W-16	12/9/2020	0825	G	Water	X	X	X	X	X	X	X
BH2-11-W-12	12/9/2020	1321	G	Water	X	X	X	X	X	X	X
BH2-18-W-12	12/9/2020	0715	G	Water	X	X	X	X	X	X	X
MW-1	12/10/2020	1401	G	Water	X	X	X	X	X	X	X
MW-2	12/10/2020	1505	G	Water	X	X	X	X	X	X	X
MW-3	12/11/2020	0927	G	Water	X	X	X	X	X	X	X
MW-4	↓	1049	G	Water	X	X	X	X	X	X	X
MW-5F	↓	1141	G	Water	X	X	X	X	X	X	X
MW-6	12/11/2020	1420	G	Water	X	X	X	X	X	X	X

580-99774 Chain of Custody

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Chain of Custody Record



Client Information		Lab Pkt: Walker, Elaine M		Carrier Tracking No(s):											
Client Contact: Alyssa Veatch		E-Mail: m.elaine.walker@eurofinset.com		State of Origin:											
Company: HDR Inc		PWSID:		COC No: 580-41046-13156.5											
Address: 412 E. Parkcenter Blvd. Suite 100		Due Date Requested:		Page: Page 5 of 5											
City: Boise		TAT Requested (days):		Job #:											
State, Zip: ID, 83708-6659		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Preservation Codes:											
Phone: 208-387-7033(Tel)		Purchase Order Requested		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 Other:											
Email: alyssa.veatch@hdrinc.com		WO #:		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)											
Project Name: Simplot - Sunnyside, WA - 2020		Project #: 58015890		Total Number of Containers											
Site:		SSOW#:		Special Instructions/Note:											
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=organic, I=inorganic, A=air)	Field Filtered Sample (Yes or No)	Field Filtered Sample (Yes or No)	8151A - Herbicide (Aqueous)	350.1, 353.2	300.0, 280 - (MOD) Local Method	6020B - RCRA 8 Metals w/o Mercury	WMPH_Dx - Northwest - DRO/RRO	8260C, LL, WMPH_Gx	8011 - (MOD) EDB and DBCP Only	Analysis Requested	Preservation Codes
Mw-7	12/11/2020	1314	G	Water	X	X	X	X	X	X	X	X	X		
Mw-8		0418	G	W	X	X	X	X	X	X	X	X	X		
Tip Blank		1600	G	W	X	X	X	X	X	X	X	X	X		
<p>Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)</p> <p>Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date/Time: 12/14/2020 12:30 Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____</p> <p>Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: _____</p>															

Therm ID: 1R8 Cor: 2.2 ° Unc: 2.4 °
Cooler Dsc: LB
Packing: Bub FedEx:
Cust. Seal: Yes No UPS: NDA EARLY
Blue Ice, Wet Dry, None Lab Cour:
Other: _____

Therm ID: 1R8 Cor: 3.1 ° Unc: 3.3 °
Cooler Dsc: LB
Packing: Bub FedEx:
Cust. Seal: Yes No UPS: NDA EARLY
Blue Ice, Wet Dry, None Lab Cour:
Other: _____

Therm ID: 1R8 Cor: 1.0 ° Unc: 1.2 °
Cooler Dsc: LB
Packing: Bub FedEx:
Cust. Seal: Yes No UPS: NDA EARLY
Blue Ice, Wet Dry, None Lab Cour:
Other: _____

Therm ID: 1R8 Cor: 0.1 ° Unc: 0.3 °
Cooler Dsc: LB
Packing: Bub FedEx:
Cust. Seal: Yes No UPS: NDA EARLY
Blue Ice, Wet Dry, None Lab Cour:
Other: _____

Therm ID: 1R8 Cor: 1.9 ° Unc: 2.1 °
Cooler Dsc: LB
Packing: Bub FedEx:
Cust. Seal: Yes No UPS: NDA EARLY
Blue Ice, Wet Dry, None Lab Cour:
Other: _____

Therm ID: 1R8 Cor: 2.9 ° Unc: 3.1 °
Cooler Dsc: LB
Packing: Bub FedEx:
Cust. Seal: Yes No UPS: NDA EARLY
Blue Ice, Wet Dry, None Lab Cour:
Other: _____

Therm ID: 1R8 Cor: 5.6 ° Unc: 5.8 °
Cooler Dsc: LB
Packing: Bub FedEx:
Cust. Seal: Yes No UPS: NDA EARLY
Blue Ice, Wet Dry, None Lab Cour:
Other: _____

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab Pk: Walker, Elaine M	Carrier Tracking No(s):	SOC No: 580-84990.2							
Client Contact: m.elaine.walker@eurofinset.com		E-Mail:	State of Origin: Washington	Page: Page 2 of 2							
Shipping/Receiving		Job #: 580-99774-1									
Company: TestAmerica Laboratories, Inc.		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 Other:									
Address: 4955 Yarrow Street, City: Arvada State, Zip: CO, 80002 Phone: 303-736-0100(Tel) 303-431-7171(Fax) Email:		Due Date Requested: 12/29/2020 TAT Requested (days):									
Project Name: Simplot - Sunnyside, WA- 2020 Site:		Project #: 58015890 SSOW#:									
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151/8151A AP Herbicide (Aqueous)	353_2 Pres (MOD) Local Method	350_1 (MOD) Local Method	Total Number of Containers	Special Instructions/Note:
MW-5R (580-99774-10)	12/11/20	11:41 Pacific	Water	Water	X	X	X	X	X	3	
MW-6 (580-99774-11)	12/11/20	14:20 Pacific	Water	Water	X	X	X	X	X	3	
MW-7 (580-99774-12)	12/11/20	13:14 Pacific	Water	Water	X	X	X	X	X	3	
MW-8 (580-99774-13)	12/11/20	08:18 Pacific	Water	Water	X	X	X	X	X	3	
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our 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/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.</p>											
<p>Possible Hazard Identification Unconfirmed</p>											
<p>Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2</p>											
<p>Empty Kit Relinquished by: _____ Date: _____</p>											
<p>Relinquished by: <i>Tom Blunt</i> Date/Time: 12/15/20 Company: _____</p>											
<p>Relinquished by: _____ Date/Time: _____ Company: _____</p>											
<p>Relinquished by: _____ Date/Time: _____ Company: _____</p>											
<p>Custody Seals Intact: _____ Custody Seal No.: _____ Δ Yes Δ No</p>											
<p>Received by: <i>Elaine Walker</i> Date/Time: 12/17/20 13:30 Company: <i>EIA/PA</i></p>											
<p>Received by: _____ Date/Time: _____ Company: _____</p>											
<p>Received by: _____ Date/Time: _____ Company: _____</p>											
<p>Cooler Temperature(s) °C and Other Remarks: <i>4°C, HQ, CF-1.2, 170</i></p>											
<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p>											
<p>Special Instructions/OC Requirements:</p>											



Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 580-99774-1

Login Number: 99774

List Source: Eurofins TestAmerica, Seattle

List Number: 1

Creator: Vallelunga, Diana L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	False	Refer to Job Narrative for details.
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (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: 580-99774-1

Login Number: 99774

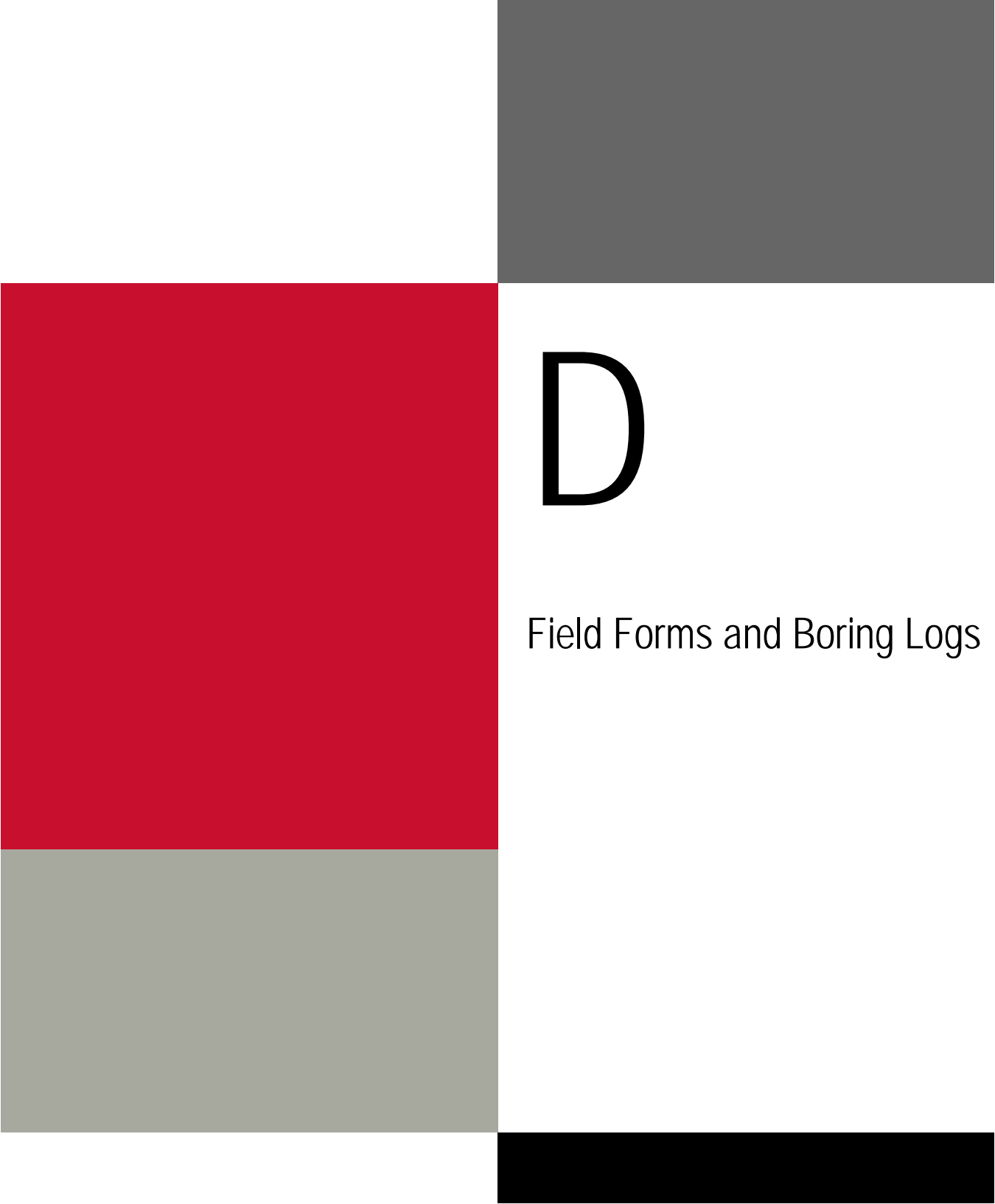
List Number: 2

Creator: Hall, Scott R

List Source: Eurofins TestAmerica, Denver

List Creation: 12/18/20 12:27 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	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?	N/A	
There are no discrepancies between the containers received and the COC.	True	Missing volume for MW-4, MW-5R, MW-6, MW-7 and MW-8
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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Field Forms and Boring Logs



Groundwater Sampling Information

Sample ID: MW-1			Date: 12/10/2020		
Project: Simplot Sunnyside			Project No: 10101457		
Location: Sunnyside, WA			Weather: 30s foggy, cloudy		
Depth to Water: 8.89					
Well Depth: 19.34		Water Ht. 10.45		Measuring Point: TPVC	
Casing Diameter: 2		Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.672			Three Casing Volumes (gallons): 5.016		
Sampling Method: Bailer					
Sampling Equipment: Bailer, rope					
Pump: N/A			Pump Intake: N/A		
Decontamination: None, new bailer and new rope					
Time	pH (SI units)	Temp. (Degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
	-	-	-	-	0
14:39:52	5.76	17.02	0.71	Some silt	0.50
14:41:38	6.35	17.20	0.70	Same	1.00
14:43:4	6.69	17.41	0.70	SI cloudy	1.50
14:44:10	6.83	17.54	0.73	SI cloudy	2.00
14:45:29	6.97	17.44	0.77	Same	2.50
14:46:30	7.09	17.39	0.78	Same	3.00
14:47:51	7.19	17.73	0.79	Same	3.50
14:50:45	7.29	17.59	0.83	Same	4.00
14:50:47	7.36	17.45	0.86	Cloudy	4.50
14:52:43	7.36	17.64	0.81	Same	5.00
14:53:29	7.47	17.60	0.84	Same	5.50
Sample Time: 14:09			Appearance/Odor: Cloudy, no odor		
Analytical Laboratory: Eurofins TestAmerica					
Analyses/Bottles:					
Duplicate: N/A			MS/MD: N/A		
Field Blank: N/A			Trip Blank: N/A		
Comments: Calibrated hydrolab at 1322					
Signature: Alyssa Veatch			Company: HDR		



Groundwater Sampling Information

Sample ID: MW-2			Date: 12/10/2020		
Project: Simplot Sunnyside			Project No: 10101457		
Location: Sunnyside, WA			Weather: Cloudy, foggy, 30s		
Depth to Water: 9.31					
Well Depth: 17.73		Water Ht. 8.42		Measuring Point: TPVC	
Casing Diameter: 2		Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.3472			Three Casing Volumes (gallons): 4.0416		
Sampling Method: Bailer					
Sampling Equipment: Bailer and rope					
Pump: N/A			Pump Intake: N/A		
Decontamination: None, new bailer and new line					
Time	pH (SI units)	Temp. (Degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
	-	-	-	-	0
15:42:10	5.79	15.64	1.12	SI cloudy	0.50
15:43:7	6.23	16.23	1.14	Same	1.00
					1.50
15:46:35	6.83	16.32	1.06	Same	2.00
15:49:6	7.15	16.24	1.10	Cloudy	2.50
15:50:58	7.33	16.44	1.09	Same	3.00
15:52:33	7.43	16.35	1.13	Same	3.50
15:54:4	7.52	16.36	1.11	Same	4.00
15:55:25	7.56	16.43	1.13	Same	4.50
Sample Time: 1508			Appearance/Odor: Cloudy, no odor		
Analytical Laboratory: Eurofins TestAmerica					
Analyses/Bottles:					
Duplicate: N/A			MS/MD: N/A		
Field Blank: N/A			Trip Blank: N/A		
Comments:					
Signature: Alyssa Veatch			Company: HDR		



Groundwater Sampling Information

Sample ID: MW-3			Date: 12/11/2020		
Project: Simplot Sunnyside			Project No: 10101457		
Location: Sunnyside, WA			Weather: 29, foggy		
Depth to Water: 10.89					
Well Depth: 23.07		Water Ht. 12.18		Measuring Point: TPVC	
Casing Diameter: 2		Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.9488			Three Casing Volumes (gallons): 5.8464		
Sampling Method: Bailer					
Sampling Equipment: Bailer and rope					
Pump: N/A			Pump Intake: N/A		
Decontamination: None, new bailer and rope					
Time	pH (SI units)	Temp. (Degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
9:46:41	-	-	-	-	0
9:49:31	5.77	16.19	2.08	sl Cloudy	0.50
9:51:11	6.42	16.43	2.12	sl Cloudy	1.00
9:52:55	6.82	16.47	2.14	sl Cloudy	1.50
9:54:34	7.01	16.62	2.12	SI cloudy	2.00
9:56:24	7.13	16.53	2.09	SI cloudy	2.50
9:58:47	7.20	16.61	2.08	Cloudy	3.00
10:0:26	7.22	16.37	2.10	Cloudy	3.50
10:2:18	7.25	16.48	2.09	Cloudy	4.00
10:4:17	7.28	16.42	2.06	Cloudy	4.50
10:6:35	7.28	16.29	2.10	Cloudy	5.00
10:8:15	7.30	16.47	2.07	Cloudy	5.50
10:9:40	7.31	16.33	2.05	Cloudy	6.00
Sample Time: 0927			Appearance/Odor: Cloudy, no odor		
Analytical Laboratory: Eurofins TestAmerica					
Analyses/Bottles:					
Duplicate: N/A			MS/MD: N/A		
Field Blank: N/A			Trip Blank: N/A		
Comments:					
Signature: Alyssa Veatch			Company: HDR		



Groundwater Sampling Information

Sample ID: MW-4		Date: 12/11/2020			
Project: Simplot Sunnyside		Project No: 10101457			
Location: Sunnyside, WA		Weather: 30, foggy			
Depth to Water: 10.85					
Well Depth: 22.71		Water Ht. 11.86		Measuring Point: TPVC	
Casing Diameter: 2		Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.8976			Three Casing Volumes (gallons): 5.6928		
Sampling Method: Bailer					
Sampling Equipment: Bailer and rope					
Pump: N/A			Pump Intake: N/A		
Decontamination: None, new bailer and rope					
Time	pH (SI units)	Temp. (Degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
	-	-	-	-	0
11:2:1					0.50
11:2:43	5.81	15.35	1.28	SI cloudy	1.00
11:4:13	6.19	16.30	1.23	Same	1.50
11:5:25	6.40	16.33	1.22	Same	2.00
11:6:45	6.63	16.37	1.23	Same	2.50
11:8:0	6.77	16.36	1.27	Same	3.00
11:9:21	6.91	16.34	1.27	Same	3.50
11:10:46	7.03	16.23	1.24	Same	4.00
11:11:56	7.09	16.35	1.25	Same	4.50
11:13:11	7.16	16.26	1.25	Same	5.00
11:15:14	7.24	16.32	1.21	Same	5.50
11:17:8	7.27	16.44	1.25	Same	6.00
Sample Time: 1042			Appearance/Odor: Cloudy, no odor		
Analytical Laboratory: Eurofins TestAmerica					
Analyses/Bottles:					
Duplicate: N/A			MS/MD: N/A		
Field Blank: N/A			Trip Blank: N/A		
Comments:					
Signature: Alyssa Veatch			Company: HDR		



Groundwater Sampling Information

Sample ID: MW-5R			Date: 12/11/2020		
Project: Simplot Sunnyside			Project No: 10101457		
Location: Sunnyside, WA			Weather: 30s, foggy		
Depth to Water: 10.96					
Well Depth: 21.60		Water Ht. 10.64		Measuring Point: TPVC	
Casing Diameter: 2		Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.7024			Three Casing Volumes (gallons): 5.1072		
Sampling Method: Bailer					
Sampling Equipment: Bailer and rope					
Pump: N/A			Pump Intake: N/A		
Decontamination: None, new bailer and rope					
Time	pH (SI units)	Temp. (Degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
<input type="checkbox"/> 12:12:0	-	-	-	-	0
<input type="checkbox"/> 12:13:46	5.56	16.38	1.54	Cloudy	0.50
<input type="checkbox"/> 12:15:1	6.03	17.01	1.50	Cloudy	1.00
<input type="checkbox"/> 12:16:27	6.40	16.98	1.52	Cloudy	1.50
<input type="checkbox"/> 12:17:41	6.61	17.10	1.50	SI cloudy	2.00
<input type="checkbox"/> 12:18:25	6.75	17.14	1.46	SI cloudy	2.50
<input type="checkbox"/> 12:19:55	6.89	17.16	1.46	SI cloudy	3.00
<input type="checkbox"/> 12:21:19	6.98	17.15	1.45	SI cloudy	3.50
<input type="checkbox"/> 12:22:44	7.06	17.11	1.48	Cloudy	4.00
<input type="checkbox"/> 12:24:30	7.12	17.09	1.45	Cloudy	4.50
<input type="checkbox"/> 12:25:41	7.15	17.14	1.45	Cloudy	5.00
<input type="checkbox"/> 12:27:42	7.19	16.98	1.48	Cloudy	5.50
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
Sample Time: 1141			Appearance/Odor: Cloudy, no odor		
Analytical Laboratory: Eurofins TestAmerica					
Analyses/Bottles:					
Duplicate: N/A			MS/MD: N/A		
Field Blank: N/A			Trip Blank: N/A		
Comments:					
Signature: Alyssa Veatch			Company: HDR		



Groundwater Sampling Information

Sample ID: MW-6			Date: 12/11/2020		
Project: Simplot Sunnyside			Project No: 10101457		
Location: Sunnyside, WA			Weather:		
Depth to Water: 12.82					
Well Depth: 21.60		Water Ht. 8.78		Measuring Point: TPVC	
Casing Diameter: 2		Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.4048			Three Casing Volumes (gallons): 4.2144		
Sampling Method: Bailer					
Sampling Equipment: Bailer and rope					
Pump: N/A			Pump Intake: N/A		
Decontamination: None, new bailer and rope					
Time	pH (SI units)	Temp. (Degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
<input type="checkbox"/> 13:43	-	-	-	-	0
<input type="checkbox"/> 13:47	5.37	16.91	0.44	V. Cloudy	0.10
<input type="checkbox"/> 13:49	5.94	16.98	0.43	Same	1.00
<input type="checkbox"/> 13:50	6.30	17.19	0.44	Same	1.50
<input type="checkbox"/> 13:52	6.55	17.28	0.44	Same	2.00
<input type="checkbox"/> 13:55	6.85	17.20	0.43	Same	2.50
<input type="checkbox"/> 13:57	7.01	17.34	0.44	Same	3.00
<input type="checkbox"/> 14:00	7.10	17.24	0.44	Same	3.50
<input type="checkbox"/> 14:02	7.18	17.18	0.43	Same	4.00
<input type="checkbox"/> 14:04	7.25	17.12	0.43	Same	4.50
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
Sample Time: 1420			Appearance/Odor: V. Cloudy no odor		
Analytical Laboratory: Eurofins TestAmerica					
Analyses/Bottles:					
Duplicate: N/A			MS/MD: N/A		
Field Blank: N/A			Trip Blank: N/A		
Comments:					
Signature: Alyssa Veatch			Company: HDR		



Groundwater Sampling Information

Sample ID: MW-7		Date: 12/11/2020			
Project: Simplot Sunnyside		Project No: 10101457			
Location: Sunnyside, WA		Weather: 30s, foggy			
Depth to Water: 12.64					
Well Depth: 24.45		Water Ht. 11.81		Measuring Point: TPVC	
Casing Diameter: 2		Factor: 1 inch = 0.04		2 inch = 0.16	4 inch = 0.66
One Casing Volume (gallons): 1.8896			Three Casing Volumes (gallons): 5.6688		
Sampling Method: Bailer					
Sampling Equipment: Bailer and rope					
Pump: N/A			Pump Intake: N/A		
Decontamination: None, new bailer and rope					
Time	pH (SI units)	Temp. (Degrees C)	Conductivity (ms or us)	Clarity	Cumulative Volume Purged (gallons)
13:33:23	-	-	-	-	0
13:35:45	5.20	17.01	0.41	Cloudy	0.50
13:36:51	5.64	17.20	0.39	Cloudy	1.00
13:38:34	6.01	17.43	0.39	Cloudy	1.50
13:40:41	6.35	17.39	0.40	Cloudy	2.00
13:42:23	6.50	17.27	0.39	Cloudy	2.50
13:43:55	6.64	17.07	0.39	Cloudy	3.00
13:44:55	6.71	17.41	0.40	Cloudy	3.50
13:47:40	6.83	17.12	0.40	Cloudy	4.00
13:49:1	6.91	16.92	0.40	v. Cloudy	4.50
13:51:20	6.99	17.24	0.40	v. Cloudy	5.00
13:54:8	7.02	17.16	0.39	Very cloudy	5.50
13:56:22	7.06	17.26	0.40	V. Cloudy	6.00
Sample Time:			Appearance/Odor: V. Cloudy, no odor		
Analytical Laboratory: Eurofins TestAmerica					
Analyses/Bottles:					
Duplicate: N/A			MS/MD: N/A		
Field Blank: N/A			Trip Blank: N/A		
Comments:					
Signature: Alyssa Veatch			Company: HDR		



Boring Log

Project Name Simplot-Sunnyside		Project No. 10101457		Drilling Company Environmental West		
Boring No. BH2-1		Location Sunnyside		Drilling Rig Type and Drilling Method Geoprobe		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
	2-4 ft: 4.0		backfilled w/ bentonite	0-4 ft asphalt / f. fill to 2 ft gravel & clasp mat, sand (f-c) moist, to ^{Ar (10/13)} det @ 4 ft		
	4-6 ft: 6.9			4-8 ft s. sandy silt, some clay from 3-2 ft (MU)		
	6-8 ft: 10.0			4-8 ft silt w/ some f. sand, (MU) tr. clay, brown, saturated, moist from 7.5-8 ft		
	8-10 ft: 125.1			same to 8.5 ft, then grey, some darker grey		
	10-12 ft: 411			brown 10-11 ft, @ 10-11 ft, s. sand w/ silt, grey, saturated petroleum odor (MU)		
				11-12 ft, silt w/ some clay (MU)		
B42-1- U-12 e 1142						*gw sample brown/silty *gw had petroleum odor
Water Level				Logged By: Alyssa Veatch	Drilled/Sampled By: Jerry Winder	
While Drilling:		After Drilling:		Hours After:	Date Started: 12/7/2020	Date Completed: 12/7/2020



Boring Log

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Project Name Simplot-Sunnyside		Project No. 10101457		Drilling Company Haz-^W Environmental West		
Boring No. BH2-3		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
BH2-3- W-17 @ 1423	2-4ft: 9.5	5	backfilled w/ bentonite	brown, moist, some white mottling @ 0ft.; asphalt (4-6"), f. silty sand or sand, silt (mc)		*gw sample brown, silty gw had pet. odor
	4-6ft: 9.0			saturated, brown, petroleum odor, silt w/ P sand, (mc)		
	6-8ft: 77.6	10		same, gray @ bottom 4"		
	8-10ft: 115.3			strong odor, sheen along 8-10ft.		
	10-12ft: 174.4	15				
		20				
		25				
		30				
		35				
Water Level				Logged By: Alyssa Veatch	Drilled/Sampled By: Jerry Wilder	
While Drilling:	After Drilling:	Hours After:	Date Started: 12/7/2020	Date Completed: 12/7/2020		



Boring Log

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Project Name Simplot-Sunnyside		Project No. 10161457		Drilling Company Environmental West		
Boring No. BH 2-4		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
BH2-4 W-12 e	2-4ft: 9.2	5	backfilled w/ bentonite	0-4, brown, moist, silt w/f. sand 1.5-4, f. silty sand 0-1.5 ft, fr. gravel (ML)		gw silty brown
	4-6ft: 7.1			4-8, brown, wet, f. silt (w/ rts) sandy silt (ML)		
	6-8ft: 7.3	10		same, brown, gray 10.5- 12 ft., pet. odor AA (ML)		
	8-10ft: 5.8					
	10-12ft: 5.6	15				
		20				
		25				
		30				
		35				
Water Level				Logged By: Alyssa Veatch	Drilled/Sampled By: Jerry Wilder	
While Drilling: <input checked="" type="checkbox"/>	After Drilling:	Hours After:	Date Started: 12/7/2020	Date Completed: 12/7/2020		



Boring Log

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Project Name Simplot - Sunnyside		Project No. 10101457		Drilling Company Environmental West			
Boring No. BH2-5		Location Sunnyside, WA		Drilling Rig Type and Drilling Method SAN 11 (12/120) Geoprobe			
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks	
BH2-5 -w-12 @ 1220	2-4 ft: 3.4		back-filled w/bentonite	6" asphalt, 6" fill silt from 1-3 ft, brown, moist f. silty sand/sandy silt 3-4 ft, moist, brown		100% rec	
	6-8: 7.4			f. silty sand grading to f. sandy silt (brown, wet)		50% rec	
	8-10: 4.3			silty f. sand - f. silty sand, brown, very saturated,		100%	
	10-12: 5.6						
Water Level				Logged By: Alyssa Veatch	Drilled/Sampled By: Jerry Wilder		
While Drilling:	After Drilling:	Hours After:	Date Started: 12/6/20	Date Completed: 12/6/2020			



Boring Log

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Project Name Simplot-Sunnyside		Project No. 10101457		Drilling Company Environmental West		
Boring No. BH 2-6		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe - truck mounted		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
	2-4ft: 6.3 4-6ft: 6.0 6-8ft: 6.2 8-10ft: 7.3 10-12ft: 3A	0-4 5 10 15 20 25 30 35	backfilled w/ bentonite	0-1 - asphalt sand/gravel Fill (gravel then p-m sand) 1-4 ft: f. sandy silty moist brown 4-7 ft - f. silty sand, brown, wet 7-8 ft - silt w/ some f. sand, tr. clay, wet, brown 8-10 - silt w tr. f sand grading to silt w some f-m sand, brown, saturated. 10-12 grey (brown again @ 11.5 ft), f-sand w/ some silt.		90% rec
BH 2-6 - W-12 @ 1318				Logged By: Alyssa Veatch		Drilled/Sampled By: Jerry Wilder
Water Level:		After Drilling:		Hours After:	Date Started: 12/8/20	Date Completed: 12/8/2020



Boring Log

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Project Name Simplot-Sunnyside		Project No. 10101457		Drilling Company Environmental West		
Boring No. BH2-7		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe - truck mounted		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
		5 10 15 20 25 30 35	<i>backfilled w/ bentonite</i>	<i>asphalt 2-4" f. sand, some silt, brown, dry</i> <i>5-9 ft: brown, wet, silt w/ tr. clay</i> <i>silt w/ some f. sand, brown (8-9) gray 9-10.5 ft). Saturated @ 9 ft, turns to silty f. sand, moist, brown from 10.5-13 f. silty sand to 13 ft, wet, brown 13-16 ft: f. sand w/ tr. silt, wet, brown</i>		<i>5% return.</i> <i>5% return</i>
<i>BH2-7- w-16 @ 0 ft</i> <i>8 ft: 6.4 ppm</i> <i>8-10 ft: 7.9</i> <i>10-12 ft: 7.6</i> <i>12-14 ft: 5.8</i> <i>14-16 ft: 5.8</i>						
Water Level				Logged By: <i>Alyssa Veatch</i>	Drilled/Sampled By: <i>Jerry Wilder</i>	
While Drilling: <i>—</i>	After Drilling: <i>—</i>	Hours After: <i>—</i>	Date Started: <i>12/9/2000</i>	Date Completed: <i>12/9/2000</i>		



Boring Log

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Project Name Simplot-Sunnyside		Project No. 10101467		Drilling Company Environmental West		
Boring No. BH2-8		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe - Truck mounted		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
	2-4ft: 9.6			gravel surface Brown, moist, silt to 3 ft.		
	4-6ft: 9.2	5		2-4 ft, brown, moist to wet Bitt + some bread AV 12/10.		
	6-8ft: 9.6			brown, wet silt w/ clay, tr f. sand		
	8-10ft: 31.38	10		8-10 ft - gray, silt w/ f. sand, moist to wet		petroleum odor (soil ? gw)
BH2-8- W-12 @0824	10-12ft: 38.5			10-12 ft brown, silty fine sand, saturated		
	12-15ft: 127.8	12-15		fine sand w/ silt f. silty sand, wet, brown, petroleum odor, some seen in pooled water; grades to sandy silt		
	15-16ft: 64.2	15		f sand, wet, brown odor (dark)		
BH2-8- W-20 @0924	16-18ft: 99.6	16-20		brown, wet, f. sand w/ some silt - petroleum odor		
	18-20ft: 51.9	20				
		25				
		30				
		35				
Water Level				Logged By: Alyssa Veatch	Drilled/Sampled By: Jerry Wilder	
While Drilling: —	After Drilling: —	Hours After: —	Date Started: 12/15/2020	Date Completed: 12/16/2020		



Boring Log

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Project Name Simplt Sunnyside		Project No. 1001457		Drilling Company Environmental West		
Boring No. BH2-9		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
		0		gravel surface		90% return
	BH2			f. silty sand / sandy silt,		
	2-4 ft:			dry/most to 3.5 ft, then,		
	3-9	5		wet, brown		
	4-6 ft:			f. silty sand to 8 ft, wet,		
	8-0			brown, some sandy silt @ 7 ft		
	6-8 ft:			silty ^{1/2} saturated @ 7 ft		
	6-7	10		same to 12 ft, f. silty sand		
BH2-9- w.	8-10 ft:			saturated, greyish		
	a-b			from ~9-10 ft		
	10-12 ft:					
	a-b	15				
		20				
		25				
		30				
		35				
Water Level				Logged By:	Drilled/Sampled By:	
While Drilling:				Alysa Veatch	Jerry Wilder	
After Drilling:		Hours After:	Date Started:	Date Completed:		
			12/9/2020	12/9/2020		



Boring Log

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Project Name Srplot-Sunnyside		Project No. 10101457		Drilling Company Environmental West		
Boring No. BH2-10		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
		5	back-filled w/ bentonite	gravel/silt to 2 ft		push return
	2-4 ft: 8.0			2-4 ft: brown, moist grading to wet, f. silty sand/sandy silt		
	4-6 ft: 14.5			f. silty sand to 7 ft, brown, wet, @ 7-8 ft, dark grey, silt w/ some f. sand, wet		
BH2-10-6-8	11.2			wet, brown, silt, some sand		
W-10-8-10	14.5			gray from 8.5 - 10.25 ft, silty f. sand from 29 - 12 ft		
	10-12: 10.9			12-13 - f. sandy silt, wet, brown		100% return
	12-14 ft: 2.7			gravel: 13-16 ft, brown, f. silty sand, wet		*hole keeps swelling/
	14-16 ft: 4.4 ft					silling to 12 ft, tried to clear it to 16 again, but keeps backfilling
		15				
		20				
		25				
		30				
		35				
Water Level				Logged By: Alyssa Veatch	Drilled/Sampled By: Jerry Wilder	
While Drilling:	After Drilling:	Hours After:	Date Started: 12/9/2020	Date Completed: 12/9/2020		



Boring Log

Project Name Simplet - Sunnyside		Project No. 187 1061457		Drilling Company Environmental West		
Boring No. BH2-11		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
BH2-11 -W-10 @ 1310	2-4ft: 5.1		back-filled w/bentonite	gravel fill, top 6" f. sand/silt w/ some f. sand, more sand from 1-2 ft. moist to 2 ft, wet from 2-4 ft, brown same to AV 12/9/00		90% rec
	4-6ft: 4.4			8-11ft: silt w/ tr. f. sand b no f. sand, wet, brown		
	6-8ft: 4.3			8-11ft: silt w/ some f. sand, tr. csand, wet/saturated (very brown.		
	8-10ft: 6.9			11-18 ft. gray silt w/ f. sand, moist		
10-12ft: 7.0						
BH2-14- W-12 @ 0715 Edapli water						.great water flow, continuous. -water dark brown, very silty
Water Level				Logged By: Alyssa Veatch	Drilled/Sampled By: Jerry Wilder	
While Drilling: <input type="checkbox"/>	After Drilling: <input type="checkbox"/>	Hours After: <input type="checkbox"/>	Date Started: 12/9/2020	Date Completed: 12/9/2020		



Boring Log

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Project Name Simplot - Sunnyside		Project No. 1001457		Drilling Company Environmental West						
Boring No. BH2-12		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe						
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks				
BH2-12- W-16 @ 12/16	2-4ft = 9.0 ppm		backfilled w/ bentonite	0-6" - gravelly ^{silt} sand		maybe organic odor?				
	4-6ft = 12.5 ppm			6"-4ft = silt w/ tr. f. sand, odd odor, not petroleum, brown, moist						
	6-8ft = 11.9 ppm			4-8ft = same moist to wet, same odor, slightly stronger						
	8-10ft = 17.4 ppm			8-10ft = silty f. sand, gray from						
	10-12ft = 17.7 ppm			9-11ft, still has odd odor						
	12-14ft = 14.0 ppm			12-14ft: f. silty sand, brown, saturated, same odor						
	14-16ft = 5.6 ppm			14-16ft: f. sand w/ some silt, brown, wet						
										Started silty then sl. cloudy
										* last boring (water + soil drum
	Water Level						Logged By: A. Veatch	Drilled/Sampled By: Randy Wilder		
While Drilling:	After Drilling:	Hours After:	Date Started: 12/16/2020	Date Completed: 12/16/2020						



Boring Log

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Project Name Simplot-Wilder		Project No. 10101457		Drilling Company Environmental West		
Boring No. BH2-13		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Geoprobe		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
BH2-13-W-16 @ 1258	2-4ft = 9.5ppm	5	backfilled w/bentonite	0-6" - sandy gravel fill		100% rec.
	4-6 ft = 14.1ppm			6"-4ft: brown, silt/tr-some f. sand, moist to 3ft, wet 3-4ft		
	6-8ft = 14.5ppm			4-8ft: wet, brown, silt w/ tr. f. sand		
	8-10ft = 11.1ppm			8-9ft - same		
	10-12ft = 11.6ppm	10		9-10.5: wet, gray, silty sand/sandy silt, tr. m.c sand		
	12-14ft = 12.4ppm	15		10.5-12ft: moist, gray, fading to brown, f. sand w/some silt, no odor		water drk brown @ first then sl. cloudy for majority
	14-16ft = 10.4ppm			12-16ft: brown, saturated, f. sand w/tr. silt		
Water Level				Logged By:		Drilled/Sampled By:
While Drilling:		After Drilling:		Hours After:	Date Started:	Date Completed:



Boring Log

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Project Name <i>Simplet-Wilder</i>		Project No. <i>1010457</i>		Drilling Company <i>Environmental West</i>		
Boring No. <i>BH2-14</i>		Location <i>Sunnyside, WA</i>		Drilling Rig Type and Drilling Method <i>Geoprobe</i>		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
<i>BH 2-14-W-12 @ 1131</i>	<i>2-4ft: 14.6ppm</i>	<i>5</i>	<i>backfilled w/ bentonite</i>	<i>0-6" gravel fill - brown, dry, some f.c sand</i>		<i>100% rec.</i>
	<i>4-6ft: 14.4ppm</i>			<i>6"-4ft: SILT w/ some f. sand, brown, moist (ML)</i>		
	<i>6-8ft: 18.1ppm</i>			<i>4ft: same, brown, moist</i>		
	<i>8-10ft: 17.8ppm</i>			<i>8-12ft: saturated, brown, silty f. sand, gray from 10-11.5ft</i>		
	<i>10-12ft: 19.0ppm</i>					
Water Level				Logged By: <i>A. Veatch</i>	Drilled/Sampled By: <i>Jerry Wilder</i>	
While Drilling:	After Drilling:	Hours After:	Date Started: <i>12/16/2020</i>	Date Completed: <i>12/16/2020</i>		



Boring Log

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Project Name Simplet-Sunnyside		Project No. 1010451		Drilling Company Environmental West		
Boring No. BH2-15		Location Sunnyside, WA		Drilling Rig Type and Drilling Method Coreprobe		
Sample No.	PID Reading (ppm)	Depth (feet)	Completion	Description (USCS)	Elevation (feet)	Remarks
	2-4ft = 2.2ppm			0-6" - gravel fill		
	4-6ft = 5.3ppm	5	backfilled w/bentonite	6-4ft: brown, moist, SILT w/tr. f. sand,		
	6-8ft = 7.4ppm			4-8ft: same, wet, tr. clay throughout		
	8-10ft = 5.4ppm	10		8-10ft: same, wet		
	10-12ft = 7.6ppm			12-15ft: wet, brown to 13.5ft, then gray, f. silty sand 13.5-15; silty/s. sand from 12-13.5ft		*water very brown 'silty, cleared up white filling w/FS @ end.
	12-15ft = 11.4ppm	15				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>BH2-15 W-15 1034 + ms/soil</p> <p>BH2-19 W-5 1053 (EQR)</p> </div> <div style="width: 45%;"> <p>Logged By: A. Veatch</p> <p>Drilled/Sampled By: Terry Wilder</p> </div> </div>						
Water Level		After Drilling:		Hours After:	Date Started:	Date Completed:
-		-		-	12/16/2020	12/16/2020



E

Data Validation Report

**Simplot Grower Solutions
Sunnyside, Washington Site**

**DATA VALIDATION REPORT
FOR
DECEMBER 2020 GROUNDWATER SAMPLING EVENT**

Introduction

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on December 7 through 17, 2020. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the June 2020 *Sampling and Analysis Plan: Phase 2 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 monitoring wells and from GeoProbe borings at the Simplot Grower Solutions site in Sunnyside, Washington. GeoProbe borings were drilled and sampled on December 7 through 17, 2020. Groundwater was collected from 15 GeoProbe borings at approximately the soil/groundwater interface (borings were drilled to approximately 4 to 8 feet past soil saturation in order to ensure water could be pumped for collection). Additionally, for borehole BH2-8, water samples were also collected approximately 10 feet below the soil/groundwater interface (20 feet below ground surface).

Monitoring wells were sampled on December 10 and 11, 2020. Each monitoring well was purged and sampled using a disposable bailer. Purged water was monitored for temperature, pH, and electrical conductivity. 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 TestAmerica in Tacoma, Washington.

Test America analyzed samples for the following constituents:

- Volatile Organic Compounds (VOCs) – Method 8260C

- Gasoline Range Organics – NWTPH-Gx
- Diesel and Residual Range Organics – NWTPH-Dx
- Ethylene Dibromide (EDB) – Method 8011
- Herbicides – Method 8151B
- Dissolved Metals (As, Ba, Cd, Cr, Pb, Se, Ag) – Method 6020A
- Chloride – Method 300.0
- Sulfate – Method 300.0
- Ammonia as N – Method 350.1
- Nitrate Nitrite as N – Method 353.2

Holding Times

A total of 30 water samples were submitted to Test America, including two trip blanks, two duplicates, and equipment rinsate blank, and matrix spike and matrix spike 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 (8260C) – 1-1000
- Gasoline (NWTPH-Gx) – 1-20
- #2 Diesel (NWTPH-Dx) – 1
- Motor Oil (NWTPH-Dx) – 1
- EDB (8011) – 1-10
- Herbicides (8151B) – 1-50
- Dissolved Metals (6020A) – 5
- Chloride (300.0) – 1-10
- Sulfate (300.0) – 1-100
- Ammonia as N (350.1) – 1-1000
- Nitrate Nitrite as N (353.2) – 1-100

Surrogate Spike Recoveries

Surrogate spike recoveries were reviewed and evaluated for adherence to the control limits specified for their respective methods. The surrogate recoveries were within control limits with the exceptions summarized in **Table 1**.

Table 1. Surrogate Spike Recoveries Outside of Control Limits

Sample	Surrogate	Control Limit Exceeded	Percent Recovery	Lab Qualifier
BH2-1-W-12	4-Bromofluorobenzene	Upper: 150	202	S1+
	2,4-Dichlorophenylacetic acid	Lower: 39	2	S1-, D
BH2-2-W-12	1,2-Dichloroethane-d4	Lower: 80	18	S1-
	Toluene-d8	Upper: 120	142	S1+
	2,4-Dichlorophenylacetic acid	Upper: 135	380	D, S1+
BH2-3-W-12	1,2-Dichloroethane-d4	Lower: 80	0	S1-
	Toluene-d8	Upper: 120	138	S1+
	4-Bromofluorobenzene	Upper: 150	369	S1+
BH2-5-W-12	2,4-Dichlorophenylacetic acid	Upper: 135	154	D, S1+
BH2-7-W-16	2,4-Dichlorophenylacetic acid	Upper: 135	177	S1+
BH2-8-W-12	Toluene-d8	Upper: 120	131	X
	4-Bromofluorobenzene	Upper: 150	208	S1+
	2,4-Dichlorophenylacetic acid	Lower: 39	2	S1-, D
	o-Terphenyl	Lower: 50	44	S1-
BH2-8-W-20	Toluene-d8	Upper: 120	124	X
	2,4-Dichlorophenylacetic acid	Lower: 39	5	S1-, D
BH2-9-W-12	2,4-Dichlorophenylacetic acid	Upper: 135	148	S1+
BH2-10-W-12	2,4-Dichlorophenylacetic acid	Upper: 135	161	S1+
BH2-12-W-16	2,4-Dichlorophenylacetic acid	Upper: 135	180	D, S1+
BH2-13-W-16	2,4-Dichlorophenylacetic acid	Upper: 135	159	D, S1+
MW-1	1,2-Dichloroethane-d4	Upper: 120	131	S1+
MW-2	1,2-Dichloroethane-d4	Upper: 120	127	S1+
	2,4-Dichlorophenylacetic acid	Lower: 39	25	S1-, D
MW-3	2,4-Dichlorophenylacetic acid	Upper: 135	155	S1+
MW-8	2,4-Dichlorophenylacetic acid	Upper: 135	144	S1+

BH = borehole; W = water; S1- = Surrogate recovery exceeds control limits, low biased; S1+ = Surrogate recovery exceeds control limits, high biased; D = Sample results obtained from a dilution, surrogate or matrix spike recoveries reported are calculated from diluted samples; X = Surrogate recovery exceeds control limits

Laboratory Method Blank

Table 2 shows compounds that were detected at or above the method reporting limits in the laboratory method blanks in addition to any lab qualifiers. All detections in the method blank were qualified as estimated as they were detected at levels above the method detection limit, but below the reporting limit.

Table 2. Compounds Detected in the Laboratory Method Blank

Analyte	Result	Qualifier	Reporting Limit	Method Detection Limit	Lab Sample ID	Lab Report
Volatile Organic Compounds (VOCs) - Method 8260C - µg/L						
1,2-Dichloroethane	0.0431	J	0.20	0.043	MB 580-345371/7	J99709-1
Hexachlorobutadiene	0.0683	J	0.50	0.067		
Chlorobenzene	0.110	J	0.20	0.025	MB 580-345516/7	
1,2-Dichloroethane	0.0470	J	0.20	0.043	MB 580-345650/7	
Benzene	0.0749	J	0.20	0.030	MB 580-345810/7	
Benzene	0.0301	J	0.20	0.030	MB 580-345965/7	
1,2-Dichloroethane	0.0448	J	0.20	0.043	MB 580-346184/7	J99774-1
Chlorobenzene	0.0618	J	0.20	0.025	MB 580-346502/7	
1,3,4-Trimethylbenzene	0.168	J	0.30	0.072	MB 580-346723/7	J99941-1
1,2,4-Trimethylbenzene	0.111	J	0.30	0.072		
1,3-Dichlorobenzene	0.0580	J	0.30	0.050		
m-Xylene & p-Xylene	0.190	J	0.50	0.12		
Naphthalene	0.636	J	1.0	0.22		
n-Butylbenzene	0.308	J	1.0	0.23		
o-Xylene	0.200	J	0.50	0.15		
Anions - Method 300.0 – milligrams per liter (mg/L)						
Sulfate	0.782	J	1.2	0.26	MB 580-345758/20	J99709-1
Sulfate	0.409	J	1.2	0.26	MB 580-346182/41	
Nitrate Nitrite as N	0.0382	J	0.10	0.019	MB 280-521509/22	J99774-1
Nitrate Nitrite as N	0.0485	J	0.10	0.019	MB 280-522665/22	J99941-1
NWTPH-Dx - mg/L						
#2 Diesel (C10-C24)	0.0724	J	0.11	0.065	MB 580-346190/1-A	J99709-1
#2 Diesel (C10-C24)	0.0724	J	0.11	0.065	MB 580-346190/1-A	J99774-1
Motor Oil (>C24-C36)	0.213	J	0.35	0.096	MB 580-346845/1-A	J99941-1

Laboratory Control Sample

Percent recoveries of the laboratory control samples were reported within acceptance limits with the following exceptions:

Method 8151A: The laboratory control sample (LCS) for preparation of batch 280-520347 and analytical batch 280-523041 recovered outside:

control limits for the following analyte: 2,4,5-T. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. 8151 BH2-1-W-12 (580-99709-1), BH2-4-W-12 (580-99709-4), BH2-5-W-12 (580-99709-5), BH2-6-W-12 (580-99709-6) and BH2-8-W-12 (580-99709-7).

Method 8151A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-520347 and analytical batch 280-523736 recovered outside control limits for the following analytes: 2,4,5-T. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. 8151 BH2-2-W-12 (580-99709-2) and BH2-8-W-20 (580-99709-8).

GC/MS VOA

Method 8260C LL: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-345806 recovered outside control limits for the following analytes: Chloroethane, Chloromethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-345806 recovered outside control limits for the following analytes: 1,1,2,2-Tetrachloroethane, 1,2,4-Trimethylbenzene, 1,2-Dichlorobenzene, 1,3,5-Trimethylbenzene, Carbon tetrachloride, Isopropylbenzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene and Trichlorofluoromethane.

Method 8260C LL: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-345965 recovered outside control limits for the following analytes: 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene and Bromoform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-345965 recovered outside control limits for the following analytes: Chlorobromomethane, Chlorodibromomethane, Methyl tert-butyl ether, 1,2-Dibromo-3-Chloropropane, 1,2-Dichlorobenzene, Naphthalene and 1,2,3-Trichlorobenzene.

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346368 recovered outside control limits for the following analyte(s): Bromomethane, Chloroethane, Chloromethane and Trichlorofluoromethane. Bromomethane, Chloroethane, Trichlorofluoromethane and Chloromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346723 recovered outside control limits for the following analyte(s): Trichlorofluoromethane. Trichlorofluoromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C LL: The laboratory control sample (LCS) for analytical batch 580-346184 recovered outside acceptance limits for Vinyl chloride. Reanalysis was performed on the samples outside of the holding time and is being reported as secondary data in batch 580-346748. MW-3 (580-99774-8), MW-4 (580-99774-9), MW-5R (580-99774-10), MW-6 (580-99774-11), MW-7 (580-99774-12), MW-8 (580-99774-13), TRIP BLANK (580-99774-14), (LCS 580-346184/4), (LCS 580-346368/4), (LCSD 580-346184/5) and (LCSD 580-346368/5)

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346184 recovered outside control limits for the following analyte(s): Chloromethane and Chloroethane. Chloromethane and Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Reanalysis of the samples was performed outside of holding time and is being reported as secondary data in batch 580-346748.

Method 8151A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-521005 and analytical batch 280-523295 recovered outside control limits for the following analytes: 2,4,5-T, Dicamba, Dichlorprop, MCPP, 2,4-D, MCPA, Silvex (2,4,5-TP) and Picloram on front column but in control all on back column. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. 8151 BH2-9-W-12 (580-99774-1), BH2-10-W-12 (580-99774-2), BH2-7-W-16 (580-99774-3), MW-3 (580-99774-8), MW-4 (580-99774-9), MW-5R (580-99774-10), MW-6 (580-99774-11), MW-7 (580-99774-12) and MW-8 (580-99774-13)

Method 8151A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 280-521005 and analytical batch 280-523295 recovered outside control limits for the following analytes: MCPA and MCPP. Samples were non-detects for the analytes so re-extraction was not performed. 8151 BH2-9-W-12 (580-99774-1), BH2-10-W-12 (580-99774-2), BH2-7-W-16 (580-99774-3), MW-3 (580-99774-8), MW-4 (580-99774-9), MW-5R (580-99774-10), MW-6 (580-99774-11), MW-7 (580-99774-12) and MW-8 (580-99774-13)

Method 8151A: The laboratory control sample duplicate (LCSD) for preparation batch 280-521005 and analytical batch 280-523736 recovered outside control limits for the following analytes: Dalapon and MCPP. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. 8151 BH2-11-W-12 (580-99774-4)

Method 8151A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 280-520867 and analytical batch 280-523736 recovered outside control limits for the following analytes: Dalapon, Dicamba, Dichlorprop, Dinoseb, MCPA, Picloram, Silvex (2,4,5-TP), MCPP, 2,4,5-T, 2,4-D and 2,4-DB. 8151 MW-2 (580-99774-7)

Method 8151A: The laboratory control sample duplicate (LCSD) for preparation batch 280-520867 and analytical batch 280-523736 recovered outside control limits for the following analytes: 2,4-Dichlorophenylacetic acid, Dalapon, Dicamba, Dichlorprop, Dinoseb, MCPA, Picloram, Silvex (2,4,5-TP), MCPP, 2,4,5-T, 2,4-D and 2,4-DB. 8151 MW-2 (580-99774-7)

Method 8260C LL: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346717 recovered outside control limits for the following analytes: Chloroethane, Chloromethane, Dichlorodifluoromethane and Trichlorofluoromethane. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-346717 recovered outside control limits for the following analytes: 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloropropene, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,2-Dichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Benzene, Bromobenzene, Chlorobenzene, Chlorodibromomethane, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromomethane, Ethylbenzene, Isopropylbenzene, m-Xylene & p-Xylene, n-Butylbenzene, o-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, trans-1,3-Dichloropropene and Trichlorofluoromethane.

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-346723 recovered outside control limits for the following analyte(s): Trichlorofluoromethane. Trichlorofluoromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8151A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-521645 and analytical batch 280-523928 recovered outside control limits for the following analytes: MCPA on front column but in control on back column. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. 8151, affected samples: BH2-15-W-15 (580-99941-1), BH2-19-W-5 (580-99941-2) and BH2-14-W-12 (580-99941-3)

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 collected by pouring distilled water through a probe length after decontamination. The equipment rinsate blank (EqR) was below detections limits for all constituents except for those listed in **Table 3**.

Table 3. Compounds Detected in the Equipment Rinsate Blank (EqR)

Analyte	Result	Qualifier	Reporting Limit	Detection Limit
Volatile Organic Compounds - USEPA 8260C - µg/L				
1,2,4-Trichlorobenzene	0.16	J B	0.3	0.072
1,2,4-Trimethylbenzene	0.077	J B	0.3	0.072
4-Isopropyltoluene	0.14	J B	0.3	0.05
Bromoform	0.3	J B	0.5	0.16
Chlorodibromomethane	0.34	--	0.2	0.055
Chloroform	0.082	J B	0.2	0.03
Chloromethane	0.24	J B	0.5	0.15
Dichlorobromomethane	0.14	J B	0.2	0.06

n-Butylbenzene	0.15	J B	0.5	0.08
tert-Butylbenzene	0.12	J B	0.5	0.1
Dissolved Metals - USEPA 6020A - mg/L				
Dissolved Arsenic	0.0052	--	0.005	0.001
Dissolved Barium	0.033	--	0.006	0.0011
General Chemistry - USEPA 300.0 and 353.2 - mg/L				
Chloride	8.5	B	0.9	0.14
Sulfate	20	--	1.2	0.26
Nitrate Nitrite as N	0.18	--	0.15	0.06

USEPA = U.S. Environmental Protection Agency

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. All MS and MSD were within the laboratory percent recovering limits, except for the following:

Method NWTPH-Gx: The matrix spike (MS) recoveries for analytical batch 580-345819 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method NWTPH-Gx: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 580-345819 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-346309 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 350.1: The matrix spike duplicate (MSD) recovery and precision for analytical batch 280-521122 was outside control limits. Sample non-homogeneity is suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for method 353.2_Pres analytical batch 280-521509 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 580-346723 were outside control limits for multiple analytes. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits, with the exception of Trichlorofluoromethane, which is identified as a poor performer..

Method NWTPH-Gx: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-346304 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 NWTPH-Gx: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 580-346304 was outside control limits. Sample non-homogeneity is suspected.

Method 8151A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-521645 and analytical batch 280-523928 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-346314 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 350.1: The matrix spike (MS) recoveries for analytical batch 280-522691 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Duplicate Field Sample

A duplicate sample was secured from BH2-11-W-12 (Duplicate: BH2-18-W-12). The results of the duplicate are presented in **Table 4** (only those compounds that were detected).

Table 4. Relative Percent Differences (RPD) of Detected Compounds for Duplicate Sample from BH-11-W-8

Detected Compound	Units	BH2-11-W-12	DUPLICATE (BH2-18-W-12)	RPD
#2 Diesel	mg/L	0.073 J	0.088 J	NC
Dissolved Arsenic	mg/L	0.031	0.033	6.2
Dissolved Barium	mg/L	0.39	0.12	106
Dissolved Chromium	mg/L	0.016	0.0037J	NC
Dissolved Lead	mg/L	0.0099	0.0021 J	NC
Chloride	mg/L	110	110	0.0
Sulfate	mg/L	410	400	2.5
Ammonia as N	mg/L	ND	0.40J	NC
Nitrate Nitrite as N	mg/L	13	14	7.4

RPD (relative percent difference) = $[\text{BH2-11-W-12} - \text{BH2-18-W-12}] / [\text{mean}(\text{BH2-11-W-12}, \text{BH2-18-W-12})] \times 100$
 mg/L = milligrams per liter, µg/L = micrograms per liter; not calculated if sample is "J" qualified (estimate). NC = not calculated due to either ND or J qualifier

A duplicate sample was secured from monitoring well MW-4 (Duplicate: MW-8). The results of the duplicate are presented in **Table 5**. The duplicate is within the acceptable range indicating acceptable precision of results.

Table 5. RPD of Detected Compounds for Duplicate Sample from MW-4

Detected Compound	Units	MW-4	DUPLICATE	RPD
Chloromethane	µg/L	019 JH	ND	NC
Chlorobenzene	µg/L	0.052 JB	ND	NC
1,2-Dichloropropane	µg/L	55	73	28
#2 Diesel	µg/L	0.19	0.50	90
Motor Oil	mg/L	0.10 J	0.11 J	NC
Dissolved Arsenic	mg/L	0.029	0.030	3.4
Dissolved Barium	mg/L	0.045	0.048	6.5
Chloride	mg/L	51	57	11
Sulfate	mg/L	170	180	5.7
Ammonia-N	mg/L	0.031 J	0.033 J	NC
Nitrate Nitrite as N	mg/L	18	29 F1	NC

¹In MW-8, these compounds were detected above the MDL but below the RL.

RPD (relative percent difference) = $[MW-4 - MW-8] / [\text{mean}(MW-4, MW-8)] \times 100$

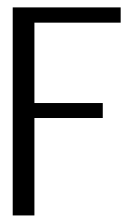
mg/L = milligrams per liter, µg/L = micrograms per liter, NC = not calculated due to either ND or J qualifier; J = approximate value; F1 = MS and/or MSD exceeds control limit; B = compound found in laboratory blank; H = samples were prepped or analyzed beyond holding time.

The duplicate from the GeoProbe borings is generally within the acceptable range indicating acceptable precision of results (20 percent) with the following exceptions:

- Barium has a RPD of 106%

The duplicate from the monitoring wells is within the acceptable range (20 percent) indicating acceptable precision of results with the following exceptions:

- 1,2-Dichloropropane has a RPD of 28%
- #2 Diesel has a RPD of 90%



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Photo Log



Photo 1. On site looking north toward BH2-12.



Photo 2. Northeast corner of site.



Photo 3. BH2-1 drilled.



Photo 4. BH2-2 capped.



Photo 5. BH2-3, 4-8 feet.



Photo 6. BH2-4, 8-12 feet.



Photo 7. BH2-5, 4-8 feet.



Photo 8. BH2-6, 8-12 feet.



Photo 9. BH2-7, 8-12 feet.



Photo 10. BH2-8, 8-12 feet.



Photo 11. BH2-9, 0-4 feet.



Photo 12. BH2-10, 12-16 feet.



Photo 13. BH2-11, 0-4 feet.



Photo 14. New locations for BH2-12 and BH2-13.



Photo 15. Initial location for BH2-16 with utilities marked.



Photo 16. New location for BH2-16.



Photo 17. MW-1.



Photo 18. MW-2.



Photo 19. MW-7.



Photo 20. Sampling MW-7.