



October 11, 2021

Frank P. Winslow
Toxics Cleanup Program
Washington State Department of Ecology – Central Regional Office
1250 W. Alder Street
Union Gap, WA 98903

Subject: Progress Report for Third Quarter 2021, Simplot Grower Solutions, Sunnyside, Washington Facility Site ID No. 76742139; Agreed Order No. DE 16446

Dear Frank:

The J.R. Simplot Company (Simplot) entered into an Agreed Order (AO) (No. DE 16446, effective date June 26, 2019) with the Washington State Department of Ecology (Ecology) to complete a remedial investigation/feasibility study (RI/FS), and to prepare a draft cleanup action plan (DCAP) for the Simplot Grower Solutions (formerly named Simplot Soilbuilders) Sunnyside site, located at 300 1st Avenue, Sunnyside, Washington.

Per the AO, Simplot shall submit to Ecology written quarterly progress reports that describe the actions taken during the previous quarter to implement the requirements of the AO. Progress reports shall be submitted by the tenth day of the month in which they are due after the effective date of the AO.

The AO requires that the progress reports include the following:

- a. A list of on-site activities that have taken place during the previous quarter;
- b. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests;
- c. Description of all deviations from the scope of work and schedule during the previous quarter and any planned deviations in the upcoming quarter;
- d. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule;
- e. All raw data (including laboratory analyses) received by Simplot during the past quarter and an identification of the source of the sample; and
- f. A list of deliverables for the upcoming quarter if different from the schedule.

Activities in Third Quarter 2021 (Q3 2021)

The following activities were conducted in Q3 2021:

- Based on Ecology's approval of the Phase 2.5 Remedial Investigation Work Plan (Sampling and Analysis Plan [SAP] and Quality Assurance Project Plan [QAPP]) in Q2, Phase 2.5 work completed in Q3 included:
 - Installation of monitoring wells MW-6D and MW-7D and associated development, groundwater sampling, and soil testing on July 29 and July 30, 2021,
 - Thirty days after installation of MW-6D and MW-7D, performed synoptic round of groundwater level measurements from all monitoring wells & collected groundwater samples from MW-6D, MW-7D, MW-5R, MW-4.

Anticipated Activities for Fourth Quarter 2021 (Q4 2021)

- Perform onsite soil vapor, offsite soil vapor (if necessary), and soil suitability analyses.
- Completion of the Phase 2.5 Remedial Investigation work and preparation of Phase 2.5 Remedial Investigation Report. Raw laboratory data for Phase 2.5 activities will be included in the report.
- Development of a Work Plan for additional RI activities (Phase 3).

Deviations from AO or Schedule

No deviations from the AO to report. A general AO schedule is presented at in the Draft RI Work Plan (Table 3). The schedule for completing the RI will depend the number of field investigation phases required.

If you have questions please feel free to contact me at (208) 387-7034 or at stacey.lamer@hdrinc.com or Molly Dimick of Simplot at (208) 235-5682 or at molly.dimick@simplot.com.

Very truly yours,
HDR Engineering, Inc.



Stacey Lamer.
Project Manager

CC: Molly Dimick, J.R. Simplot Company
Attachments: Groundwater and Soil Sample Test Reports

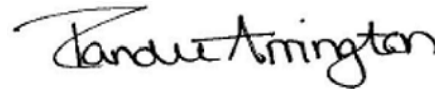
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
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Spokane, WA 99206
Tel: (509)924-9200

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

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

Attn: Brittany Duarte



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

Randee Arrington, Lab Director
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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: Sunnyside, Washington

Job ID: 590-15596-1

Job ID: 590-15596-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

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

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

GC/MS VOA

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

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

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

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

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

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

GC Semi VOA

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

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

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

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

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

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

Case Narrative

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Job ID: 590-15596-1 (Continued)

Laboratory: Eurofins TestAmerica, Spokane (Continued)

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

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

Metals

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

General Chemistry

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

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

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

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

Organic Prep

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

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

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

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

VOA Prep

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

Sample Summary

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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Definitions/Glossary

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

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

Metals

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

General Chemistry

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

Glossary

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

Eurofins TestAmerica, Spokane

Definitions/Glossary

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Glossary (Continued)

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

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Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D

Lab Sample ID: 590-15596-1

Date Collected: 07/29/21 09:30

Matrix: Water

Date Received: 08/03/21 11:45

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D

Lab Sample ID: 590-15596-1

Date Collected: 07/29/21 09:30

Matrix: Water

Date Received: 08/03/21 11:45

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

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

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

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

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

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

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

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

Method: 8151A - Herbicides (GC)

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

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

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D

Lab Sample ID: 590-15596-1

Date Collected: 07/29/21 09:30

Matrix: Water

Date Received: 08/03/21 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		08/05/21 09:48	08/05/21 16:41	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		08/05/21 09:48	08/05/21 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	93		50 - 150				08/05/21 09:48	08/05/21 16:41	1
<i>n</i> -Triacontane-d62	97		50 - 150				08/05/21 09:48	08/05/21 16:41	1

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

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

Method: 7470A - Mercury (CVAA)

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

General Chemistry

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

Client Sample ID: MW-7D

Lab Sample ID: 590-15596-2

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D

Lab Sample ID: 590-15596-2

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

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

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D

Lab Sample ID: 590-15596-2

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			08/05/21 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		68.7 - 141					08/05/21 22:43	1

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

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

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	H	0.98	0.17	ug/L		08/06/21 12:53	08/11/21 05:27	1
MCP	33	J H p	390	32	ug/L		08/06/21 12:53	08/11/21 05:27	1
2,4,5-T	ND	H	0.98	0.44	ug/L		08/06/21 12:53	08/11/21 05:27	1
2,4-D	0.87	J H p	3.9	0.51	ug/L		08/06/21 12:53	08/11/21 05:27	1
2,4-DB	1.3	J H p	3.9	0.73	ug/L		08/06/21 12:53	08/11/21 05:27	1
Dalapon	ND	H	2.0	0.89	ug/L		08/06/21 12:53	08/11/21 05:27	1
Dicamba	ND	H	2.0	0.42	ug/L		08/06/21 12:53	08/11/21 05:27	1
Dichlorprop	0.64	J H p	3.9	0.63	ug/L		08/06/21 12:53	08/11/21 05:27	1
Dinoseb	ND	H	0.98	0.44	ug/L		08/06/21 12:53	08/11/21 05:27	1
MCPA	ND	H	390	46	ug/L		08/06/21 12:53	08/11/21 05:27	1
Picloram	ND	H	0.49	0.23	ug/L		08/06/21 12:53	08/11/21 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		39 - 135				08/06/21 12:53	08/11/21 05:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.28	0.13	mg/L		08/05/21 09:48	08/05/21 17:02	1
Residual Range Organics (RRO) (C25-C36)	ND		0.47	0.14	mg/L		08/05/21 09:48	08/05/21 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				08/05/21 09:48	08/05/21 17:02	1
n-Triacontane-d62	99		50 - 150				08/05/21 09:48	08/05/21 17:02	1

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

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

Method: 7470A - Mercury (CVAA)

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D

Lab Sample ID: 590-15596-2

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

General Chemistry

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

Client Sample ID: MW-7D DUP

Lab Sample ID: 590-15596-3

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D DUP

Lab Sample ID: 590-15596-3

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

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

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

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

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

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

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

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

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

Method: 8151A - Herbicides (GC)

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D DUP

Lab Sample ID: 590-15596-3

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Picloram	ND	H	0.50	0.24	ug/L		08/06/21 12:53	08/11/21 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	88		39 - 135				08/06/21 12:53	08/11/21 05:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.33	0.15	mg/L		08/05/21 09:48	08/05/21 17:23	1
Residual Range Organics (RRO) (C25-C36)	ND		0.54	0.16	mg/L		08/05/21 09:48	08/05/21 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		50 - 150				08/05/21 09:48	08/05/21 17:23	1
<i>n</i> -Triacontane-d62	98		50 - 150				08/05/21 09:48	08/05/21 17:23	1

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

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

Method: 7470A - Mercury (CVAA)

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

General Chemistry

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

Client Sample ID: Trip Blank

Lab Sample ID: 590-15596-5

Date Collected: 07/29/21 12:01

Matrix: Water

Date Received: 08/03/21 11:45

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: Trip Blank

Lab Sample ID: 590-15596-5

Date Collected: 07/29/21 12:01

Matrix: Water

Date Received: 08/03/21 11:45

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: Trip Blank

Lab Sample ID: 590-15596-5

Date Collected: 07/29/21 12:01

Matrix: Water

Date Received: 08/03/21 11:45

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

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

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

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

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

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

Client Sample ID: MW-6D;12'

Lab Sample ID: 590-15596-6

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 76.0

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D;12'

Lab Sample ID: 590-15596-6

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 76.0

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

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

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

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

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

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

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

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

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Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D;12'

Lab Sample ID: 590-15596-6

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 76.0

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

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

Method: 8151A - Herbicides (GC)

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

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

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

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

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

Method: 6020B - Metals (ICP/MS)

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

Method: 7471A - Mercury (CVAA)

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

General Chemistry - Soluble

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

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D;10'

Lab Sample ID: 590-15596-7

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 73.8

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D;10'

Lab Sample ID: 590-15596-7

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 73.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.19	0.023	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
p-Isopropyltoluene	ND		0.19	0.038	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,4-Dichlorobenzene	ND		0.19	0.038	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
n-Butylbenzene	ND		0.19	0.051	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2-Dichlorobenzene	ND		0.19	0.043	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2-Dibromo-3-Chloropropane	ND		0.93	0.11	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2,4-Trichlorobenzene	ND		0.19	0.034	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
1,2,3-Trichlorobenzene	ND		0.19	0.062	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Hexachlorobutadiene	ND		0.19	0.031	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Naphthalene	ND		0.37	0.052	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Methyl tert-butyl ether	ND		0.093	0.056	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120				08/09/21 12:17	08/09/21 14:10	1
4-Bromofluorobenzene (Surr)	99		76 - 122				08/09/21 12:17	08/09/21 14:10	1
Dibromofluoromethane (Surr)	99		80 - 120				08/09/21 12:17	08/09/21 14:10	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 129				08/09/21 12:17	08/09/21 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		9.3	3.4	mg/Kg	☼	08/09/21 12:17	08/09/21 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		41.5 - 162				08/09/21 12:17	08/09/21 14:10	1

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

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

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		11000	2700	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
Silvex (2,4,5-TP)	ND		27	1.9	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
MCPP	ND		11000	2700	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
2,4,5-T	ND		27	3.1	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
2,4-D	ND		110	19	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
2,4-DB	ND		110	10	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
Dalapon	ND		53	4.4	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
Dicamba	ND		53	1.9	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
Dichlorprop	ND		110	4.3	ug/Kg	☼	08/06/21 10:44	08/13/21 09:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	64		31 - 105				08/06/21 10:44	08/13/21 09:13	1

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D;10'

Lab Sample ID: 590-15596-7

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 73.8

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

Method: 6020B - Metals (ICP/MS)

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

Method: 7471A - Mercury (CVAA)

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

General Chemistry - Soluble

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

Client Sample ID: MW-7D;12'

Lab Sample ID: 590-15596-8

Date Collected: 07/30/21 15:00

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 80.0

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D;12'

Lab Sample ID: 590-15596-8

Date Collected: 07/30/21 15:00

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 80.0

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

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

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

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

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D;12'

Lab Sample ID: 590-15596-8

Date Collected: 07/30/21 15:00

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 80.0

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

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

Method: 8151A - Herbicides (GC)

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

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

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

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

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

Method: 6020B - Metals (ICP/MS)

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

Method: 7471A - Mercury (CVAA)

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

General Chemistry - Soluble

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

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D;8'

Lab Sample ID: 590-15596-9

Date Collected: 07/30/21 15:00

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 74.7

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D;8'

Lab Sample ID: 590-15596-9

Date Collected: 07/30/21 15:00

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 74.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.16	0.020	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
p-Isopropyltoluene	ND		0.16	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,4-Dichlorobenzene	ND		0.16	0.032	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
n-Butylbenzene	ND		0.16	0.043	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2-Dichlorobenzene	ND		0.16	0.036	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2-Dibromo-3-Chloropropane	ND		0.78	0.094	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2,4-Trichlorobenzene	ND		0.16	0.029	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
1,2,3-Trichlorobenzene	ND		0.16	0.052	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Hexachlorobutadiene	ND		0.16	0.026	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Naphthalene	ND		0.31	0.044	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Methyl tert-butyl ether	ND		0.078	0.047	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120				08/09/21 12:17	08/09/21 15:55	1
4-Bromofluorobenzene (Surr)	89		76 - 122				08/09/21 12:17	08/09/21 15:55	1
Dibromofluoromethane (Surr)	101		80 - 120				08/09/21 12:17	08/09/21 15:55	1
1,2-Dichloroethane-d4 (Surr)	102		75 - 129				08/09/21 12:17	08/09/21 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.8	2.8	mg/Kg	☼	08/09/21 12:17	08/09/21 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		41.5 - 162				08/09/21 12:17	08/09/21 15:55	1

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

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

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		21000	5300	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
Silvex (2,4,5-TP)	ND		53	3.7	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
MCPP	ND		21000	5300	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
2,4,5-T	ND		53	6.1	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
2,4-D	ND		210	37	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
2,4-DB	ND		210	20	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
Dalapon	ND		110	8.7	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
Dicamba	ND		110	3.7	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
Dichlorprop	ND		210	8.5	ug/Kg	☼	08/06/21 10:44	08/13/21 09:57	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	75	D	31 - 105				08/06/21 10:44	08/13/21 09:57	2

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D;8'

Lab Sample ID: 590-15596-9

Date Collected: 07/30/21 15:00

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 74.7

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

Method: 6020B - Metals (ICP/MS)

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

Method: 7471A - Mercury (CVAA)

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

General Chemistry - Soluble

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

Client Sample ID: Trip Blank

Lab Sample ID: 590-15596-10

Date Collected: 07/30/21 12:01

Matrix: Solid

Date Received: 08/03/21 11:45

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: Trip Blank

Lab Sample ID: 590-15596-10

Date Collected: 07/30/21 12:01

Matrix: Solid

Date Received: 08/03/21 11:45

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

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

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

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

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

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

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: Trip Blank

Lab Sample ID: 590-15596-10

Date Collected: 07/30/21 12:01

Matrix: Solid

Date Received: 08/03/21 11:45

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

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

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

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

Lab Sample ID: LCSD 590-32655/1002

Matrix: Water

Analysis Batch: 32655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

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

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

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

QC Sample Results

Client: HDR Inc
 Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

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

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

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

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QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
sec-Butylbenzene	ND		0.931	0.952		mg/Kg	☼	102	76 - 130	
1,3-Dichlorobenzene	ND		0.931	0.919		mg/Kg	☼	99	80 - 123	
p-Isopropyltoluene	ND		0.931	0.911		mg/Kg	☼	98	80 - 130	
1,4-Dichlorobenzene	ND		0.931	0.908		mg/Kg	☼	98	80 - 125	
n-Butylbenzene	ND		0.931	0.897		mg/Kg	☼	96	80 - 131	
1,2-Dichlorobenzene	ND		0.931	0.888		mg/Kg	☼	95	80 - 124	
1,2-Dibromo-3-Chloropropane	ND		0.931	0.676	J	mg/Kg	☼	73	49 - 139	
1,2,4-Trichlorobenzene	ND		0.931	0.840		mg/Kg	☼	90	79 - 126	
1,2,3-Trichlorobenzene	ND		0.931	0.807		mg/Kg	☼	87	66 - 130	
Hexachlorobutadiene	ND		0.931	0.837		mg/Kg	☼	90	80 - 136	
Naphthalene	ND		0.931	0.826		mg/Kg	☼	89	53 - 144	
Methyl tert-butyl ether	ND		0.931	0.944		mg/Kg	☼	101	80 - 123	
		MS MS								
Surrogate		%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)		99		80 - 120						
4-Bromofluorobenzene (Surr)		93		76 - 122						
Dibromofluoromethane (Surr)		97		80 - 120						
1,2-Dichloroethane-d4 (Surr)		97		75 - 129						

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

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

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

Lab Sample ID: 590-15596-6 DU

Matrix: Solid

Analysis Batch: 32685

Client Sample ID: MW-6D;12'

Prep Type: Total/NA

Prep Batch: 32686

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

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

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

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

Lab Sample ID: LCS 590-32722/4

Matrix: Water

Analysis Batch: 32722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

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

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

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			08/05/21 21:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		68.7 - 141					08/05/21 21:41	1

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	969		ug/L		97	80 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		68.7 - 141				

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline	1000	1090		ug/L		109	80 - 120	12	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		68.7 - 141						

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

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Gasoline	ND		ND		ug/L		NC	35
Surrogate	DU %Recovery	DU Qualifier	Limits					
4-Bromofluorobenzene (Surr)	107		68.7 - 141					

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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		08/09/21 12:16	08/09/21 12:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		41.5 - 162				08/09/21 12:16	08/09/21 12:26	1

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QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	50.0	49.1		mg/Kg		98	74.4 - 124
Surrogate							
	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	92		41.5 - 162				

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

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline	ND		ND		mg/Kg	✱	NC	32.3
Surrogate								
	%Recovery	DU Qualifier	Limits					
4-Bromofluorobenzene (Surr)	87		41.5 - 162					

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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			08/11/21 12:11	1
Surrogate									
	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	99		68.7 - 141		08/11/21 12:11	1			

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	975		ug/L		97	80 - 120
Surrogate							
	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	94		68.7 - 141				

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	960		ug/L		96	80 - 120	1	20
Surrogate									
	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		68.7 - 141						

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

Method: 8151A - Herbicides (GC)

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

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

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

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

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

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

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

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

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

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

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

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

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

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

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

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

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

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

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

<i>Surrogate</i>	<i>LCS</i> <i>%Recovery</i>	<i>LCS</i> <i>Qualifier</i>	<i>Limits</i>
<i>o-Terphenyl</i>	111		50 - 150
<i>n-Triacontane-d62</i>	113		50 - 150

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

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

<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>
Diesel Range Organics (DRO) (C10-C25)	1.60	1.20		mg/L		75	50 - 150	3	25
Residual Range Organics (RRO) (C25-C36)	1.60	1.68		mg/L		105	50 - 150	4	25

<i>Surrogate</i>	<i>LCSD</i> <i>%Recovery</i>	<i>LCSD</i> <i>Qualifier</i>	<i>Limits</i>
<i>o-Terphenyl</i>	98		50 - 150
<i>n-Triacontane-d62</i>	104		50 - 150

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

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

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

<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>
<i>o-Terphenyl</i>	96		50 - 150	08/06/21 09:29	08/06/21 12:42	1
<i>n-Triacontane-d62</i>	104		50 - 150	08/06/21 09:29	08/06/21 12:42	1

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

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

<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>
Diesel Range Organics (DRO) (C10-C25)	66.7	60.3		mg/Kg		90	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	71.9		mg/Kg		108	50 - 150

<i>Surrogate</i>	<i>LCS</i> <i>%Recovery</i>	<i>LCS</i> <i>Qualifier</i>	<i>Limits</i>
<i>o-Terphenyl</i>	97		50 - 150
<i>n-Triacontane-d62</i>	102		50 - 150

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Method: 6020B - Metals (ICP/MS)

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

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

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

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

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

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

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

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

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

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

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

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

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

Method: 7470A - Mercury (CVAA)

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

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

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

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

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Method: 7471A - Mercury (CVAA)

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

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

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

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

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

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

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

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

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

Method: 350.1 - Nitrogen, Ammonia

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

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

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

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

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

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

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

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

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

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

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

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

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

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

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

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

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

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

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

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

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

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

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

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

Method: 353.2 - Nitrogen, Nitrate-Nitrite

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

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

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

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

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

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

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

Client Sample ID: Method Blank
Prep Type: Soluble

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

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

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

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

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

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

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

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

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

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

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

Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D

Lab Sample ID: 590-15596-1

Date Collected: 07/29/21 09:30

Matrix: Water

Date Received: 08/03/21 11:45

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

Client Sample ID: MW-7D

Lab Sample ID: 590-15596-2

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

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

Client Sample ID: MW-7D DUP

Lab Sample ID: 590-15596-3

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

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

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Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-7D DUP

Lab Sample ID: 590-15596-3

Date Collected: 07/29/21 12:00

Matrix: Water

Date Received: 08/03/21 11:45

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

Client Sample ID: Trip Blank

Lab Sample ID: 590-15596-5

Date Collected: 07/29/21 12:01

Matrix: Water

Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32722	08/11/21 14:18	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32721	08/11/21 14:18	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	32687	08/09/21 13:13	KBZ	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 02:44	NMI	TAL SPK

Client Sample ID: MW-6D;12'

Lab Sample ID: 590-15596-6

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			32658	08/06/21 10:05	KBZ	TAL SPK

Client Sample ID: MW-6D;12'

Lab Sample ID: 590-15596-6

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.236 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 13:28	JSP	TAL SPK
Total/NA	Prep	5035			6.236 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 13:28	JSP	TAL SPK
Total/NA	Prep	8011			10.13 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 04:39	NMI	TAL SPK
Total/NA	Prep	8151A			51.1 g	10 mL	545588	08/06/21 10:44	DB	TAL DEN
Total/NA	Analysis	8151A		2			546308	08/13/21 08:51	MB	TAL DEN
Total/NA	Prep	3550C			15.11 g	5 mL	32657	08/06/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32665	08/06/21 15:31	NMI	TAL SPK
Total/NA	Prep	3050B			1.5345 g	50 mL	364534	08/09/21 17:07	TMH	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	364681	08/10/21 16:12	FCW	FGS SEA

Eurofins TestAmerica, Spokane

Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Client Sample ID: MW-6D;12'

Lab Sample ID: 590-15596-6

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8165 g	50 mL	364979	08/13/21 11:35	C1K	FGS SEA
Total/NA	Analysis	7471A		1			365144	08/13/21 14:21	C1K	FGS SEA
Soluble	Leach	DI Leach			10.0140 g	250 mL	364758	08/11/21 14:50	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			50 mL	50 mL	364930	08/12/21 19:46	MLT	FGS SEA
Soluble	Analysis	350.1		1	50 mL	50 mL	365053	08/13/21 19:21	MLT	FGS SEA
Soluble	Leach	DI Leach			10.02 g	100 mL	545831	08/09/21 09:53	ZPM	TAL DEN
Soluble	Analysis	353.2		1	100 mL	100 mL	545876	08/09/21 15:28	ZPM	TAL DEN

Client Sample ID: MW-6D;10'

Lab Sample ID: 590-15596-7

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			32658	08/06/21 10:05	KBZ	TAL SPK

Client Sample ID: MW-6D;10'

Lab Sample ID: 590-15596-7

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/03/21 11:45

Percent Solids: 73.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.995 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 14:10	JSP	TAL SPK
Total/NA	Prep	5035			8.995 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 14:10	JSP	TAL SPK
Total/NA	Prep	8011			10.17 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 05:28	NMI	TAL SPK
Total/NA	Prep	8151A			50.7 g	10 mL	545588	08/06/21 10:44	DB	TAL DEN
Total/NA	Analysis	8151A		1			546308	08/13/21 09:13	MB	TAL DEN
Total/NA	Prep	3550C			15.18 g	5 mL	32657	08/06/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32665	08/06/21 15:53	NMI	TAL SPK
Total/NA	Prep	3050B			2.0305 g	50 mL	364534	08/09/21 17:07	TMH	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	364681	08/10/21 15:16	FCW	FGS SEA
Total/NA	Prep	7471A			0.7950 g	50 mL	364979	08/13/21 11:35	C1K	FGS SEA
Total/NA	Analysis	7471A		1			365144	08/13/21 14:23	C1K	FGS SEA
Soluble	Leach	DI Leach			10.0807 g	250 mL	364758	08/11/21 14:50	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			50 mL	50 mL	364930	08/12/21 19:46	MLT	FGS SEA
Soluble	Analysis	350.1		1	50 mL	50 mL	365053	08/13/21 19:21	MLT	FGS SEA
Soluble	Leach	DI Leach			10.33 g	100 mL	545831	08/09/21 09:53	ZPM	TAL DEN
Soluble	Analysis	353.2		1	100 mL	100 mL	545876	08/09/21 15:46	ZPM	TAL DEN

Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

Lab Sample ID: 590-15596-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			32658	08/06/21 10:05	KBZ	TAL SPK

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			13.226 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 15:13	JSP	TAL SPK
Total/NA	Prep	5035			13.226 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 15:13	JSP	TAL SPK
Total/NA	Prep	8011			10.16 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 05:45	NMI	TAL SPK
Total/NA	Prep	8151A			52.2 g	10 mL	545588	08/06/21 10:44	DB	TAL DEN
Total/NA	Analysis	8151A		1			546308	08/13/21 09:35	MB	TAL DEN
Total/NA	Prep	3550C			15.10 g	5 mL	32657	08/06/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32665	08/06/21 16:15	NMI	TAL SPK
Total/NA	Prep	3050B			1.9043 g	50 mL	364534	08/09/21 17:07	TMH	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	364681	08/10/21 15:20	FCW	FGS SEA
Total/NA	Prep	7471A			0.8905 g	50 mL	364979	08/13/21 11:35	C1K	FGS SEA
Total/NA	Analysis	7471A		1			365144	08/13/21 14:26	C1K	FGS SEA
Soluble	Leach	DI Leach			10.0559 g	250 mL	364758	08/11/21 14:50	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			50 mL	50 mL	364930	08/12/21 19:46	MLT	FGS SEA
Soluble	Analysis	350.1		1	50 mL	50 mL	365053	08/13/21 19:21	MLT	FGS SEA
Soluble	Leach	DI Leach			10.23 g	100 mL	545831	08/09/21 09:53	ZPM	TAL DEN
Soluble	Analysis	353.2		1	100 mL	100 mL	545876	08/09/21 15:48	ZPM	TAL DEN

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

Lab Sample ID: 590-15596-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			32658	08/06/21 10:05	KBZ	TAL SPK

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.937 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 15:55	JSP	TAL SPK
Total/NA	Prep	5035			10.937 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 15:55	JSP	TAL SPK
Total/NA	Prep	8011			10.56 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 06:18	NMI	TAL SPK

Eurofins TestAmerica, Spokane

Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			50.2 g	10 mL	545588	08/06/21 10:44	DB	TAL DEN
Total/NA	Analysis	8151A		2			546308	08/13/21 09:57	MB	TAL DEN
Total/NA	Prep	3550C			15.06 g	5 mL	32657	08/06/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32665	08/06/21 16:36	NMI	TAL SPK
Total/NA	Prep	3050B			1.2332 g	50 mL	364534	08/09/21 17:07	TMH	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	364681	08/10/21 15:28	FCW	FGS SEA
Total/NA	Prep	7471A			0.9732 g	50 mL	364979	08/13/21 11:35	C1K	FGS SEA
Total/NA	Analysis	7471A		1			365144	08/13/21 14:28	C1K	FGS SEA
Soluble	Leach	DI Leach			10.0662 g	250 mL	364758	08/11/21 14:50	MLT	FGS SEA
Soluble	Prep	Distill/Ammonia			50 mL	50 mL	364930	08/12/21 19:46	MLT	FGS SEA
Soluble	Analysis	350.1		1	50 mL	50 mL	365053	08/13/21 19:21	MLT	FGS SEA
Soluble	Leach	DI Leach			10.21 g	100 mL	545831	08/09/21 09:53	ZPM	TAL DEN
Soluble	Analysis	353.2		1	100 mL	100 mL	545876	08/09/21 15:50	ZPM	TAL DEN

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	32685	08/09/21 16:16	JSP	TAL SPK
Total/NA	Prep	5035			10 g	10 mL	32686	08/09/21 12:17	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	32684	08/09/21 16:16	JSP	TAL SPK
Total/NA	Prep	8011			10 g	2 mL	32690	08/09/21 15:44	NMI	TAL SPK
Total/NA	Analysis	8011		1			32691	08/10/21 06:34	NMI	TAL SPK

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310
TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8011	8011	Solid	1,2,3-Trichloropropane
8011	8011	Water	1,2,3-Trichloropropane
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NWTPH-Dx	3510C	Water	Residual Range Organics (RRO) (C25-C36)
NWTPH-Dx	3550C	Solid	Residual Range Organics (RRO) (C25-C36)

Laboratory: Eurofins FGS, Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-22

Laboratory: Eurofins TestAmerica, Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C583-19	08-03-22

Method Summary

Client: HDR Inc
Project/Site: Sunnyside, Washington

Job ID: 590-15596-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL SPK
8151A	Herbicides (GC)	SW846	TAL DEN
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6020B	Metals (ICP/MS)	SW846	FGS SEA
7470A	Mercury (CVAA)	SW846	FGS SEA
7471A	Mercury (CVAA)	SW846	FGS SEA
350.1	Nitrogen, Ammonia	MCAWW	FGS SEA
350.1	Nitrogen, Ammonia	MCAWW	TAL DEN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL DEN
Moisture	Percent Moisture	EPA	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	FGS SEA
3050B	Preparation, Metals	SW846	FGS SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK
3550C	Ultrasonic Extraction	SW846	TAL SPK
5030C	Purge and Trap	SW846	TAL SPK
5035	Closed System Purge and Trap	SW846	TAL SPK
7470A	Preparation, Mercury	SW846	FGS SEA
7471A	Preparation, Mercury	SW846	FGS SEA
8011	Microextraction	SW846	TAL SPK
8151A	Extraction (Herbicides)	SW846	TAL DEN
DI Leach	Deionized Water Leaching Procedure	ASTM	FGS SEA
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL DEN
Distill/Ammonia	Distillation, Ammonia	None	FGS SEA

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

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


TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane

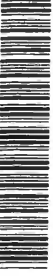
11922 East 1st Ave
Spokane, WA 99206
Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record



Client Information		Sampler: B. Duarte		Lab PM: Arrington, Randee E		Carrier Tracking No(s):		COC No: 590-6715-1985.1								
Client Contact: Brittany Duarte		Phone: 603-508-1409		E-Mail: Randee.Arrington@Eurofinset.com		State of Origin:		Page: Page 1 of 1								
Company: HDR Inc		PWSID:		Analysis Requested						Job #:						
Address: 4401 West Gate Blvd Ste 400		Due Date Requested:								Preservation Codes:						
City: Austin		TAT Requested (days):		Field Filtered Sample (Yes or No) <input type="checkbox"/> Perform Method (Yes or No) <input type="checkbox"/> 8260D standard list, NWTPH-Gx - GRO <input type="checkbox"/> 8011 - EDB <input type="checkbox"/> 8151A - Herbicide <input type="checkbox"/> 6020B, 7470A - RCRA 8 Metals <input type="checkbox"/> 350.1 - Ammonia, 353.2 - Nitrate + Nitrite <input type="checkbox"/> NWTPH-Dx - Diesel Range Organics <input type="checkbox"/> 8260D standard list, NWTPH-Gx - GRO <input type="checkbox"/> 8011 - EDB <input type="checkbox"/> NWTPH-Dx - DRO <input type="checkbox"/> 353.2 - Nitrate & Nitrite <input type="checkbox"/> 350.1 - Ammonia <input type="checkbox"/> 8151A - Herbicides <input type="checkbox"/> 6020B, 7471A - RCRA 8 Metals <input type="checkbox"/> Total Number of containers:		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)										
State, Zip: TX, 78745		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Other:										
Phone: 512-912-5169(Tel)		PO #:				590-15596 Chain of Custody 										
Email: brittany.duarte@hdrinc.com		Purchase Order Requested														
Project Name: Sunnyside, Washington		WO #:														
Site:		Project #: 59002213		SSOW#:												
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code: X A N N D S A F N N N N N N						\$	te:			
MW-6D		7/29/21	0930	Grab	Water	X	X	X	X	X	X	X	X	X		
MW-7D		7/29/21	1200		Water											
MW-7D DUP		7/29/21	1200		Water											
MW-7D RB		7/29/21	1200		Water											
TRIP BLANK					Water											
MW-6D ; 12'		7/30/21	1130		Solid											
MW-6D ; 10'		7/30/21	1130		Solid											
MW-7D ; 12'		7/30/21	1500		Solid											
MW-7D ; 8'		7/30/21	1500		Solid											
TRIP BLANK					Solid											
					Solid											
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)										
Deliverable Requested: I, II, III, IV, Other (specify)						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months										
Special Instructions/QC Requirements:																
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:										
Relinquished by: Brittany Duarte		Date/Time: 7/30/21 1645		Company: HDR		Received by: [Signature]		Date/Time: 2/30/21 1645		Company: STOS						
Relinquished by: Tom Blawie		Date/Time: 8/2/21 1100		Company:		Received by: [Signature]		Date/Time: 8/3/21 10:20		Company: EEASPO						
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No: 1652726				Cooler Temperature(s) °C and Other Remarks:										

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: Lab PM: Arrington, Randee E		COC No: 590-6191.1											
Shipping/Receiving		E-Mail: Randee.Arrington@Eurofins.com		Page: 1 of 1											
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Washington		Job #: 590-15596-1											
Address: 4955 Yarrow Street.		Due Date Requested: 8/16/2021		Preservation Codes:											
City: Anvada		TAT Requested (days):		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:											
State, Zip: CO, 80002		PO #:		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: 303-736-0100(Tel) 303-431-7171(Fax)		WO #:		<div style="text-align: center;"> <p>590-15596 Chain of Custody</p> </div>											
Email:		Project #: 59002213													
Site:		SSOW#:													
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C-comp, G-grab)	Matrix (W-water, S-solid, O-ore/sediment, BT=base, A=alk)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151/8151_AP (MOD Herbicide (Aqueous))	353.2_Pres	350.1	8151A/8151_SP Herbicide (Solid)	353.2_Pres/DI_LEACH	Analysis Requested	Total Number of containers	Special Instructions/Note:
MW-6D (590-15596-1)		7/29/21	09:30 Pacific	Water	Water	X	X	X	X	X	X	X		2	
MW-7D (590-15596-2)		7/29/21	12:00 Pacific	Water	Water	X	X	X	X	X	X	X		2	
MW-7D DUP (590-15596-3)		7/29/21	12:00 Pacific	Water	Water	X	X	X	X	X	X	X		2	
MW-6D:12' (590-15596-6)		7/30/21	11:30 Pacific	Solid	Solid									1	
MW-6D:10' (590-15596-7)		7/30/21	11:30 Pacific	Solid	Solid									1	
MW-7D:12' (590-15596-8)		7/30/21	15:00 Pacific	Solid	Solid									1	
MW-7D:8' (590-15596-9)		7/30/21	15:00 Pacific	Solid	Solid									1	

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.

Possible Hazard Identification
 Unconfirmed Return To Client Disposal By Lab Archive For _____ Months
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: _____
 Δ Yes Δ No _____
 Cooler Temperature(s) °C and Other Remarks: 2.2 IR 11 CF 40.6

Chain of Custody Record



Environment Testing
 America



Client Information (Sub Contract Lab)		Lab PM: Arrington, Randee E		Carrier Tracking No(s):		COC No: 580-93797.1	
Client Contact: Shipping/Receiving		E-Mail: Randee.Arrington@Eurofins.com		State of Origin: Washington		Page: Page 1 of 1	
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Washington		Job #:		590-15596-1	
Address: 4955 Yarrow Street, Arvada, CO, 80002		Due Date Requested: 8/16/2021		TAT Requested (days):		Preservation Codes: M - Hexane N - None O - ASN02 P - Na2O4S G - Na2SO3 E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Phone: 303-736-0100(Tel) 303-431-7171(Fax)		PO #:		WO #:		M - Hexane N - None O - ASN02 P - Na2O4S G - Na2SO3 E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Email:		Project #: 59002213		SSOW#:		Total Number of Containers	
Project Name: Sunnyside, Washington		Site:		Field Filtered Sample (Yes or No)		81518/151A_AP (MOD) Herbicide (Aqueous)	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)	
MW-6D (590-15596-1)		7/29/21		09:30 Pacific		Water	
MW-7D (590-15596-2)		7/29/21		12:00 Pacific		Water	
MW-7D DUP (590-15596-3)		7/29/21		12:00 Pacific		Water	
Special Instructions/Note:		353.2 Pres		350.1		1	
MW-6D (590-15596-1)		7/29/21		09:30 Pacific		Water	
MW-7D (590-15596-2)		7/29/21		12:00 Pacific		Water	
MW-7D DUP (590-15596-3)		7/29/21		12:00 Pacific		Water	

Note: Since laboratory accreditations are subject to change, Eurofins Frontier Global Sciences LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Frontier Global Sciences LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Frontier Global Sciences LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Frontier Global Sciences LLC.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: _____ Date: _____
 Relinquished by: _____ Date: _____
 Relinquished by: _____ Date: _____
 Custody Seal No.: 1653063
 Custody Seals Intact: Yes No
 Cooler Temperature(s) °C and Other Remarks: 1.1 CF10.6 JRU
 Received by: JRU
 Date/Time: 8/13/21 0930
 Company: ETADEN
 Received by: _____
 Date/Time: _____
 Company: _____
 Received by: _____
 Date/Time: _____
 Company: _____
 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 (Sub Contract Lab)				Sampler: Lab PM: Arrington, Randee E		Carrier Tracking No(s):		COC No: 590-6192.1	
Client Contact: Shipping/Receiving				Phone:		E-Mail: Randee.Arrington@Eurofinset.com		State of Origin: Washington	
Company: Eurofins Frontier Global Sciences LLC				Address: 5755 8th Street East, Tacoma State, Zip: WA, 98424		Due Date Requested: 8/16/2021		Accreditations Required (See note): State - Washington	
Phone: 253-922-2310(Tel) 425-420-9210(Fax)				Email:		TAT Requested (days):		Job #: 590-15596-1	
Project Name: Sunnyside, Washington				Site:		Project #: 59002213		SSOW#:	
Project Name: Sunnyside, Washington				Site:		Project #: 59002213		SSOW#:	
Analysis Requested				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Preservation Codes:	
								A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
				6020B/3005A RCRA 8 Metals w/o Mercury		7470A/7470A_Prep Mercury		350.1/DI_I_EACH	
				6020B/3050B RCRA 8 Metals w/o Mercury		7471A/7471A_Prep Mercury			
				Total Number of Containers					
Sample Identification - Client ID (Lab ID)				Sample Date		Sample Time		Sample Type (C=comp, G=grab)	
								Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	
								Preservation Code:	
								Special Instructions/Note:	
MW-6D (590-15596-1)				7/29/21		09:30 Pacific		Water	
MW-7D (590-15596-2)				7/29/21		12:00 Pacific		Water	
MW-7D DUP (590-15596-3)				7/29/21		12:00 Pacific		Water	
MW-6D;12' (590-15596-6)				7/30/21		11:30 Pacific		Solid	
MW-6D;10' (590-15596-7)				7/30/21		11:30 Pacific		Solid	
MW-7D;12' (590-15596-8)				7/30/21		15:00 Pacific		Solid	
MW-7D;8' (590-15596-9)				7/30/21		15:00 Pacific		Solid	
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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.									
Possible Hazard Identification				Unconfirmed		Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	
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	
Special Instructions/QC Requirements:									
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:	
Relinquished by: <i>J. K. Hayer</i>				Date/Time: 8/4/21 15:30		Company: E-FASPO		Received by: <i>[Signature]</i>	
Relinquished by:				Date/Time:		Company:		Received by:	
Relinquished by:				Date/Time:		Company:		Received by:	
Custody Seals Intact: Yes No				Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: IR8 3.6/3.8			

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15596-1

Login Number: 15596

List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: Hayes, Sarah S

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15596-1

Login Number: 15596
List Number: 2
Creator: Blankinship, Tom X

List Source: Eurofins FGS, Seattle
List Creation: 08/05/21 11:45 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \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	3.6°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	False	Preservation labels on samples match COC
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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	



Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15596-1

Login Number: 15596

List Number: 3

Creator: Lee, Jerry

List Source: Eurofins TestAmerica, Denver

List Creation: 08/05/21 02:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \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	COC not relinquished.
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

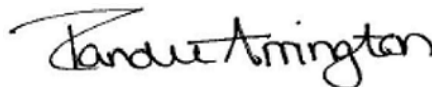
Laboratory Job ID: 590-15906-1

Client Project/Site: Sunnyside, Washington/10302086

For:

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

Attn: Katie Krajicek



*Authorized for release by:
9/30/2021 9:57:35 AM*

Randee Arrington, Lab Director
(509)924-9200

Randee.Arrington@Eurofinset.com

LINKS

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results through
TotalAccess

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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: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Job ID: 590-15906-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 9/16/2021 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-33220 recovered above the upper control limit for 1,2-Dichloroethane, Chlorobromomethane, and 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 590-33220 recovered outside control limits for the following analytes: 1,2-Dichloroethane. These analytes were biased high in the LCSD and were either not detected in the associated samples or detected below the reporting limit; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) analyzed in analytical batch 590-33220 was outside the method criteria for the following analyte: Dichlorodifluoromethane. The sample could not be re-analyzed due to insufficient volume.

Trip Blank (590-15906-7)

Method 8260D: The laboratory control sample (LCS) for analytical batch 590-33282 recovered outside control limits for the following analytes: Chloromethane and Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: For calibration 5217. the following samples failed high: Acetone, Butadiene, Chloromethane, Dichlorodifluoromethane, and Vinyl chloride. The samples associated with this failure were non-detects for the affected analytes; therefore, the data have been reported.

(ICV 590-33282/18)

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

GC Semi VOA

Method 8151A: The laboratory control sample (LCS) for preparation batch 280-550538 and analytical batch 280-551385 recovered outside control limits for the following analytes: Dinoseb. The recoveries in the LCS were 47% on the front column and 55% on the back column. The recoveries in the LCSD were 54% on the front column and 59% on the back column. The %R limits for Dinoseb is 59-179%. The sample is past 2X hold therefore data have been reported.

Method 8151A: The initial calibration verification (ICV) result for batch 280-551385 was below the lower control limit for 2,4,5-T on the confirmation (back) column. Sample results were reported from the in control primary column. The associated samples are affected: MW-6D-20210914 (590-15906-1), MW-7D-20210914 (590-15906-2), MW-4-20210914 (590-15906-3), MW-5R-20210914 (590-15906-4), MW-3R-20210914 (590-15906-5) and Rinsate (590-15906-6).

Method 8151A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 280-550538 and analytical batch 280-551385 was outside control limits. Sample matrix interference is suspected. The associated samples are impacted: MW-6D-20210914 (590-15906-1), MW-7D-20210914 (590-15906-2), MW-4-20210914 (590-15906-3), MW-5R-20210914 (590-15906-4), MW-3R-20210914 (590-15906-5) and Rinsate (590-15906-6)

Method 8151A: The %RPD between the primary and confirmation column exceeded 40% for MCPPE for the following sample: MW-4-20210914 (590-15906-3). The lower value has been reported and qualified in accordance with the laboratory's SOP.

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

Metals

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

Case Narrative

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Job ID: 590-15906-1 (Continued)

Laboratory: Eurofins TestAmerica, Spokane (Continued)

General Chemistry

Method 353.2: The method blank for analytical batch 280-550443 contained Nitrate Nitrite as N above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction or re-analysis of samples was not performed.

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

Organic Prep

Method 8151A: Due to the high density of the sample matrix (>1.0 g/mL), the initial volumes used for the following samples deviated from the standard procedure: MW-6D-20210914 (590-15906-1), MW-7D-20210914 (590-15906-2) and MW-3R-20210914 (590-15906-5). The reporting limits (RLs) have been adjusted proportionately. preparation batch 280-550538 Method: 8151A_AP/8151A

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

VOA Prep

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

Sample Summary

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-15906-1	MW-6D-20210914	Water	09/14/21 10:21	09/16/21 11:30
590-15906-2	MW-7D-20210914	Water	09/14/21 12:07	09/16/21 11:30
590-15906-3	MW-4-20210914	Water	09/14/21 14:04	09/16/21 11:30
590-15906-4	MW-5R-20210914	Water	09/14/21 15:04	09/16/21 11:30
590-15906-5	MW-3R-20210914	Water	09/14/21 16:13	09/16/21 11:30
590-15906-6	Rinsate	Water	09/14/21 12:28	09/16/21 11:30
590-15906-7	Trip Blank	Water	09/14/21 08:00	09/16/21 11:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Definitions/Glossary

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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
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: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-6D-20210914

Lab Sample ID: 590-15906-1

Date Collected: 09/14/21 10:21

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 19:49	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 14:02	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 14:02	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 14:02	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 14:02	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 14:02	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 14:02	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 14:02	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 14:02	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 14:02	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 14:02	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 14:02	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 14:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 14:02	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 14:02	1
1,2-Dichloroethane	ND	*+	1.0	0.31	ug/L			09/22/21 14:02	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 14:02	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 14:02	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 14:02	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 14:02	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 14:02	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 14:02	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 14:02	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 14:02	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 14:02	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 14:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 14:02	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 14:02	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 14:02	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 14:02	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 14:02	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 14:02	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 14:02	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 14:02	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 14:02	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 14:02	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 14:02	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 14:02	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 14:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 14:02	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 14:02	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 14:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 14:02	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 14:02	1

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-6D-20210914

Lab Sample ID: 590-15906-1

Date Collected: 09/14/21 10:21

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 14:02	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 14:02	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 14:02	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:02	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 14:02	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 14:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 14:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 14:02	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 14:02	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 14:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		09/22/21 14:02	1
Toluene-d8 (Surr)	101		80 - 120		09/27/21 19:49	1
4-Bromofluorobenzene (Surr)	98		80 - 120		09/22/21 14:02	1
4-Bromofluorobenzene (Surr)	105		80 - 120		09/27/21 19:49	1
Dibromofluoromethane (Surr)	108		80 - 120		09/22/21 14:02	1
Dibromofluoromethane (Surr)	101		80 - 120		09/27/21 19:49	1
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		09/22/21 14:02	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		09/27/21 19:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		68.7 - 141		09/22/21 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 14:10	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 11:01	1
MCPPP	ND		380	31	ug/L		09/21/21 13:12	09/29/21 11:01	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:01	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 11:01	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 11:01	1
Dalapon	ND		1.9	0.86	ug/L		09/21/21 13:12	09/29/21 11:01	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 11:01	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 11:01	1
Dinoseb	ND	*	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:01	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 11:01	1
Picloram	ND		0.48	0.23	ug/L		09/21/21 13:12	09/29/21 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	70		39 - 135	09/21/21 13:12	09/29/21 11:01	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-6D-20210914

Lab Sample ID: 590-15906-1

Date Collected: 09/14/21 10:21

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		09/20/21 14:41	09/21/21 02:59	1
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		09/20/21 14:41	09/21/21 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	85		50 - 150				09/20/21 14:41	09/21/21 02:59	1
<i>n</i> -Triacontane-d62	85		50 - 150				09/20/21 14:41	09/21/21 02:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0035	J	0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 00:47	5
Barium	0.078		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 00:47	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 00:47	5
Chromium	0.0023	J	0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 00:47	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 00:47	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 00:47	5
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 00:47	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:11	1
Nitrate Nitrite as N	2.9	B	0.10	0.019	mg/L			09/20/21 12:20	1

Client Sample ID: MW-7D-20210914

Lab Sample ID: 590-15906-2

Date Collected: 09/14/21 12:07

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 20:11	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 14:23	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 14:23	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 14:23	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 14:23	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 14:23	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 14:23	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 14:23	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 14:23	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 14:23	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 14:23	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 14:23	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 14:23	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 14:23	1

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Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-7D-20210914

Lab Sample ID: 590-15906-2

Date Collected: 09/14/21 12:07

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			09/22/21 14:23	1
1,2-Dichloroethane	ND	+	1.0	0.31	ug/L			09/22/21 14:23	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 14:23	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 14:23	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 14:23	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 14:23	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 14:23	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 14:23	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 14:23	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 14:23	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 14:23	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 14:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 14:23	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 14:23	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 14:23	1
1,1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 14:23	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 14:23	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 14:23	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 14:23	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 14:23	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 14:23	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 14:23	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 14:23	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 14:23	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 14:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 14:23	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 14:23	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 14:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 14:23	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 14:23	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 14:23	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 14:23	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 14:23	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:23	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 14:23	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 14:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 14:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 14:23	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 14:23	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 14:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		09/22/21 14:23	1
Toluene-d8 (Surr)	101		80 - 120		09/27/21 20:11	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/22/21 14:23	1
4-Bromofluorobenzene (Surr)	107		80 - 120		09/27/21 20:11	1
Dibromofluoromethane (Surr)	107		80 - 120		09/22/21 14:23	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-7D-20210914

Lab Sample ID: 590-15906-2

Date Collected: 09/14/21 12:07

Matrix: Water

Date Received: 09/16/21 11:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		80 - 120		09/27/21 20:11	1
1,2-Dichloroethane-d4 (Surr)	117		80 - 120		09/22/21 14:23	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		09/27/21 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		68.7 - 141		09/22/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 14:26	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 11:23	1
MCPD	ND		380	31	ug/L		09/21/21 13:12	09/29/21 11:23	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:23	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 11:23	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 11:23	1
Dalapon	ND		1.9	0.86	ug/L		09/21/21 13:12	09/29/21 11:23	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 11:23	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 11:23	1
Dinoseb	ND	*	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:23	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 11:23	1
Picloram	ND		0.47	0.23	ug/L		09/21/21 13:12	09/29/21 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	80		39 - 135	09/21/21 13:12	09/29/21 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		09/20/21 14:41	09/21/21 03:20	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	96		50 - 150	09/20/21 14:41	09/21/21 03:20	1
n-Triacontane-d62	92		50 - 150	09/20/21 14:41	09/21/21 03:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0044	J	0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 00:51	5
Barium	0.048		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 00:51	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 00:51	5
Chromium	0.0027	J	0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 00:51	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 00:51	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 00:51	5

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-7D-20210914

Lab Sample ID: 590-15906-2

Date Collected: 09/14/21 12:07

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 00:51	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:13	1
Nitrate Nitrite as N	2.4	B	0.10	0.019	mg/L			09/20/21 12:22	1

Client Sample ID: MW-4-20210914

Lab Sample ID: 590-15906-3

Date Collected: 09/14/21 14:04

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 20:32	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 14:44	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 14:44	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 14:44	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 14:44	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 14:44	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:44	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 14:44	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:44	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 14:44	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 14:44	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 14:44	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 14:44	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 14:44	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 14:44	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 14:44	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 14:44	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 14:44	1
1,2-Dichloroethane	ND	*+	1.0	0.31	ug/L			09/22/21 14:44	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 14:44	1
1,2-Dichloropropane	42		1.0	0.23	ug/L			09/22/21 14:44	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 14:44	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 14:44	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 14:44	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 14:44	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 14:44	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 14:44	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 14:44	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 14:44	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 14:44	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 14:44	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 14:44	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:44	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-4-20210914

Lab Sample ID: 590-15906-3

Date Collected: 09/14/21 14:04

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 14:44	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 14:44	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 14:44	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 14:44	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 14:44	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 14:44	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 14:44	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 14:44	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 14:44	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 14:44	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 14:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 14:44	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 14:44	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 14:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 14:44	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 14:44	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 14:44	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 14:44	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 14:44	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 14:44	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 14:44	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 14:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 14:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 14:44	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 14:44	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 14:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		09/22/21 14:44	1
Toluene-d8 (Surr)	102		80 - 120		09/27/21 20:32	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/22/21 14:44	1
4-Bromofluorobenzene (Surr)	107		80 - 120		09/27/21 20:32	1
Dibromofluoromethane (Surr)	105		80 - 120		09/22/21 14:44	1
Dibromofluoromethane (Surr)	107		80 - 120		09/27/21 20:32	1
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		09/22/21 14:44	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		09/27/21 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		68.7 - 141		09/22/21 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 14:42	1

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-4-20210914

Lab Sample ID: 590-15906-3

Date Collected: 09/14/21 14:04

Matrix: Water

Date Received: 09/16/21 11:30

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 11:46	1
MCP	58	J	380	31	ug/L		09/21/21 13:12	09/29/21 11:46	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:46	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 11:46	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 11:46	1
Dalapon	ND		1.9	0.87	ug/L		09/21/21 13:12	09/29/21 11:46	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 11:46	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 11:46	1
Dinoseb	ND	*	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 11:46	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 11:46	1
Picloram	ND		0.48	0.23	ug/L		09/21/21 13:12	09/29/21 11:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		39 - 135				09/21/21 13:12	09/29/21 11:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		09/20/21 14:41	09/21/21 04:01	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	97		50 - 150				09/20/21 14:41	09/21/21 04:01	1
<i>n</i> -Triacontane-d62	93		50 - 150				09/20/21 14:41	09/21/21 04:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.030		0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 00:55	5
Barium	0.043		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 00:55	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 00:55	5
Chromium	ND		0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 00:55	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 00:55	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 00:55	5
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 00:55	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:15	1
Nitrate Nitrite as N	20	B	1.0	0.19	mg/L			09/20/21 12:24	10

Client Sample ID: MW-5R-20210914

Lab Sample ID: 590-15906-4

Date Collected: 09/14/21 15:04

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 20:54	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
 Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-5R-20210914

Lab Sample ID: 590-15906-4

Date Collected: 09/14/21 15:04

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 15:05	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 15:05	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 15:05	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 15:05	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 15:05	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 15:05	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 15:05	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 15:05	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 15:05	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 15:05	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 15:05	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 15:05	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 15:05	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 15:05	1
1,2-Dichloroethane	2.4		1.0	0.31	ug/L			09/27/21 20:54	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 15:05	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 15:05	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 15:05	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 15:05	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 15:05	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 15:05	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 15:05	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 15:05	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 15:05	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 15:05	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 15:05	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 15:05	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 15:05	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 15:05	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 15:05	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 15:05	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 15:05	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 15:05	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 15:05	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 15:05	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 15:05	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 15:05	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 15:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 15:05	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 15:05	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 15:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 15:05	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 15:05	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 15:05	1

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-5R-20210914

Lab Sample ID: 590-15906-4

Date Collected: 09/14/21 15:04

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 15:05	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 15:05	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:05	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 15:05	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 15:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 15:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 15:05	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 15:05	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 15:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		09/22/21 15:05	1
Toluene-d8 (Surr)	103		80 - 120		09/27/21 20:54	1
4-Bromofluorobenzene (Surr)	100		80 - 120		09/22/21 15:05	1
4-Bromofluorobenzene (Surr)	105		80 - 120		09/27/21 20:54	1
Dibromofluoromethane (Surr)	108		80 - 120		09/22/21 15:05	1
Dibromofluoromethane (Surr)	106		80 - 120		09/27/21 20:54	1
1,2-Dichloroethane-d4 (Surr)	117		80 - 120		09/22/21 15:05	1
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		09/27/21 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		68.7 - 141		09/22/21 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 14:59	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 12:30	1
MCPD	ND		380	31	ug/L		09/21/21 13:12	09/29/21 12:30	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 12:30	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 12:30	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 12:30	1
Dalapon	ND		1.9	0.86	ug/L		09/21/21 13:12	09/29/21 12:30	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 12:30	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 12:30	1
Dinoseb	ND	*	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 12:30	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 12:30	1
Picloram	ND		0.47	0.23	ug/L		09/21/21 13:12	09/29/21 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	75		39 - 135	09/21/21 13:12	09/29/21 12:30	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-5R-20210914

Lab Sample ID: 590-15906-4

Date Collected: 09/14/21 15:04

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		09/20/21 14:41	09/21/21 04:22	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	92		50 - 150				09/20/21 14:41	09/21/21 04:22	1
<i>n</i> -Triacontane-d62	88		50 - 150				09/20/21 14:41	09/21/21 04:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.071		0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 00:58	5
Barium	0.034		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 00:58	5
Cadmium	0.00019	J	0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 00:58	5
Chromium	ND		0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 00:58	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 00:58	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 00:58	5
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 00:58	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 16:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:17	1
Nitrate Nitrite as N	12	B	0.20	0.038	mg/L			09/20/21 12:26	2

Client Sample ID: MW-3R-20210914

Lab Sample ID: 590-15906-5

Date Collected: 09/14/21 16:13

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 21:15	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 15:26	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 15:26	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 15:26	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 15:26	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 15:26	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 15:26	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 15:26	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 15:26	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 15:26	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 15:26	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 15:26	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 15:26	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 15:26	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-3R-20210914

Lab Sample ID: 590-15906-5

Date Collected: 09/14/21 16:13

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			09/22/21 15:26	1
1,2-Dichloroethane	2.4		1.0	0.31	ug/L			09/27/21 21:15	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 15:26	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 15:26	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 15:26	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 15:26	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 15:26	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 15:26	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 15:26	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 15:26	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 15:26	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 15:26	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 15:26	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 15:26	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 15:26	1
1,1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 15:26	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 15:26	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 15:26	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 15:26	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 15:26	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 15:26	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 15:26	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 15:26	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 15:26	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 15:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 15:26	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 15:26	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 15:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 15:26	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 15:26	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 15:26	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 15:26	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 15:26	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:26	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 15:26	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 15:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 15:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 15:26	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 15:26	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 15:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		09/22/21 15:26	1
Toluene-d8 (Surr)	102		80 - 120		09/27/21 21:15	1
4-Bromofluorobenzene (Surr)	101		80 - 120		09/22/21 15:26	1
4-Bromofluorobenzene (Surr)	111		80 - 120		09/27/21 21:15	1
Dibromofluoromethane (Surr)	108		80 - 120		09/22/21 15:26	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-3R-20210914

Lab Sample ID: 590-15906-5

Date Collected: 09/14/21 16:13

Matrix: Water

Date Received: 09/16/21 11:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		80 - 120		09/27/21 21:15	1
1,2-Dichloroethane-d4 (Surr)	118		80 - 120		09/22/21 15:26	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		09/27/21 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		68.7 - 141		09/22/21 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 15:15	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.96	0.16	ug/L		09/21/21 13:12	09/29/21 12:53	1
MCPP	ND		380	32	ug/L		09/21/21 13:12	09/29/21 12:53	1
2,4,5-T	ND		0.96	0.43	ug/L		09/21/21 13:12	09/29/21 12:53	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 12:53	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 12:53	1
Dalapon	ND		1.9	0.87	ug/L		09/21/21 13:12	09/29/21 12:53	1
Dicamba	ND		1.9	0.42	ug/L		09/21/21 13:12	09/29/21 12:53	1
Dichlorprop	ND		3.8	0.62	ug/L		09/21/21 13:12	09/29/21 12:53	1
Dinoseb	ND	*	0.96	0.43	ug/L		09/21/21 13:12	09/29/21 12:53	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 12:53	1
Picloram	ND		0.48	0.23	ug/L		09/21/21 13:12	09/29/21 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	62		39 - 135	09/21/21 13:12	09/29/21 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		09/20/21 14:41	09/21/21 04:42	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150	09/20/21 14:41	09/21/21 04:42	1
n-Triacontane-d62	89		50 - 150	09/20/21 14:41	09/21/21 04:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.071		0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 01:02	5
Barium	0.035		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 01:02	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 01:02	5
Chromium	ND		0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 01:02	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 01:02	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 01:02	5

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-3R-20210914

Lab Sample ID: 590-15906-5

Date Collected: 09/14/21 16:13

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 01:02	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 16:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:19	1
Nitrate Nitrite as N	11	B	0.50	0.095	mg/L			09/20/21 12:28	5

Client Sample ID: Rinsate

Lab Sample ID: 590-15906-6

Date Collected: 09/14/21 12:28

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	2.0	0.64	ug/L			09/27/21 21:37	1
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 15:47	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 15:47	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 15:47	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 15:47	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 15:47	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:47	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 15:47	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:47	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 15:47	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 15:47	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 15:47	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 15:47	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 15:47	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 15:47	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 15:47	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 15:47	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 15:47	1
1,2-Dichloroethane	ND	*+	1.0	0.31	ug/L			09/22/21 15:47	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 15:47	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 15:47	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 15:47	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 15:47	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 15:47	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 15:47	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 15:47	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 15:47	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 15:47	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 15:47	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 15:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 15:47	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 15:47	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:47	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: Rinsate

Lab Sample ID: 590-15906-6

Date Collected: 09/14/21 12:28

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 15:47	1
1,1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 15:47	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 15:47	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 15:47	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 15:47	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 15:47	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 15:47	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 15:47	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 15:47	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 15:47	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 15:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 15:47	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 15:47	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 15:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 15:47	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 15:47	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 15:47	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 15:47	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 15:47	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 15:47	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 15:47	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 15:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 15:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 15:47	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 15:47	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 15:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		09/22/21 15:47	1
Toluene-d8 (Surr)	104		80 - 120		09/27/21 21:37	1
4-Bromofluorobenzene (Surr)	103		80 - 120		09/22/21 15:47	1
4-Bromofluorobenzene (Surr)	112		80 - 120		09/27/21 21:37	1
Dibromofluoromethane (Surr)	107		80 - 120		09/22/21 15:47	1
Dibromofluoromethane (Surr)	108		80 - 120		09/27/21 21:37	1
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		09/22/21 15:47	1
1,2-Dichloroethane-d4 (Surr)	111		80 - 120		09/27/21 21:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		68.7 - 141		09/22/21 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 15:31	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: Rinsate

Lab Sample ID: 590-15906-6

Date Collected: 09/14/21 12:28

Matrix: Water

Date Received: 09/16/21 11:30

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.95	0.16	ug/L		09/21/21 13:12	09/29/21 13:15	1
MCPPP	ND		380	31	ug/L		09/21/21 13:12	09/29/21 13:15	1
2,4,5-T	ND		0.95	0.43	ug/L		09/21/21 13:12	09/29/21 13:15	1
2,4-D	ND		3.8	0.50	ug/L		09/21/21 13:12	09/29/21 13:15	1
2,4-DB	ND		3.8	0.71	ug/L		09/21/21 13:12	09/29/21 13:15	1
Dalapon	ND		1.9	0.86	ug/L		09/21/21 13:12	09/29/21 13:15	1
Dicamba	ND		1.9	0.41	ug/L		09/21/21 13:12	09/29/21 13:15	1
Dichlorprop	ND		3.8	0.61	ug/L		09/21/21 13:12	09/29/21 13:15	1
Dinoseb	ND	*	0.95	0.43	ug/L		09/21/21 13:12	09/29/21 13:15	1
MCPA	ND		380	45	ug/L		09/21/21 13:12	09/29/21 13:15	1
Picloram	ND		0.47	0.23	ug/L		09/21/21 13:12	09/29/21 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	112		39 - 135				09/21/21 13:12	09/29/21 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		09/20/21 14:41	09/21/21 05:03	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		09/20/21 14:41	09/21/21 05:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				09/20/21 14:41	09/21/21 05:03	1
n-Triacontane-d62	88		50 - 150				09/20/21 14:41	09/21/21 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0010	mg/L		09/24/21 20:03	09/28/21 01:06	5
Barium	ND		0.0060	0.0011	mg/L		09/24/21 20:03	09/28/21 01:06	5
Cadmium	ND		0.0020	0.00019	mg/L		09/24/21 20:03	09/28/21 01:06	5
Chromium	ND		0.0040	0.00087	mg/L		09/24/21 20:03	09/28/21 01:06	5
Lead	ND		0.0020	0.00020	mg/L		09/24/21 20:03	09/28/21 01:06	5
Selenium	ND		0.040	0.010	mg/L		09/24/21 20:03	09/28/21 01:06	5
Silver	ND		0.0020	0.00013	mg/L		09/24/21 20:03	09/28/21 01:06	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 13:21	1
Nitrate Nitrite as N	0.050	J B	0.10	0.019	mg/L			09/20/21 12:42	1

Client Sample ID: Trip Blank

Lab Sample ID: 590-15906-7

Date Collected: 09/14/21 08:00

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			09/22/21 16:29	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: HDR Inc
 Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: Trip Blank

Lab Sample ID: 590-15906-7

Date Collected: 09/14/21 08:00

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 16:29	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 16:29	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 16:29	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 16:29	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 16:29	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 16:29	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 16:29	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 16:29	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 16:29	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 16:29	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 16:29	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 16:29	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 16:29	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 16:29	1
1,2-Dichloroethane	ND	*+	1.0	0.31	ug/L			09/22/21 16:29	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 16:29	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 16:29	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 16:29	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 16:29	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 16:29	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 16:29	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 16:29	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 16:29	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 16:29	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 16:29	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 16:29	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 16:29	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 16:29	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 16:29	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 16:29	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 16:29	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 16:29	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 16:29	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 16:29	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 16:29	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 16:29	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 16:29	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 16:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 16:29	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 16:29	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 16:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 16:29	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 16:29	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 16:29	1

Client Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: Trip Blank

Lab Sample ID: 590-15906-7

Date Collected: 09/14/21 08:00

Matrix: Water

Date Received: 09/16/21 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 16:29	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 16:29	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 16:29	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 16:29	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 16:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 16:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 16:29	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 16:29	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 16:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		09/22/21 16:29	1
4-Bromofluorobenzene (Surr)	101		80 - 120		09/22/21 16:29	1
Dibromofluoromethane (Surr)	110		80 - 120		09/22/21 16:29	1
1,2-Dichloroethane-d4 (Surr)	118		80 - 120		09/22/21 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		68.7 - 141		09/22/21 16:29	1

QC Sample Results

Client: HDR Inc
 Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: MB 590-33220/6
Matrix: Water
Analysis Batch: 33220

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	ND		3.0	0.50	ug/L			09/22/21 11:58	1
Vinyl chloride	ND		0.40	0.13	ug/L			09/22/21 11:58	1
Bromomethane	ND		5.0	0.76	ug/L			09/22/21 11:58	1
Chloroethane	ND		2.0	0.40	ug/L			09/22/21 11:58	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
Methylene Chloride	ND		5.0	2.2	ug/L			09/22/21 11:58	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			09/22/21 11:58	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			09/22/21 11:58	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			09/22/21 11:58	1
Bromochloromethane	ND		2.0	0.44	ug/L			09/22/21 11:58	1
Chloroform	ND		1.0	0.24	ug/L			09/22/21 11:58	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/22/21 11:58	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			09/22/21 11:58	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			09/22/21 11:58	1
Benzene	ND		0.40	0.093	ug/L			09/22/21 11:58	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			09/22/21 11:58	1
Trichloroethene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			09/22/21 11:58	1
Dibromomethane	ND		2.0	0.50	ug/L			09/22/21 11:58	1
Bromodichloromethane	ND		1.0	0.29	ug/L			09/22/21 11:58	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			09/22/21 11:58	1
Toluene	ND		1.0	0.31	ug/L			09/22/21 11:58	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			09/22/21 11:58	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			09/22/21 11:58	1
Tetrachloroethene	ND		1.0	0.22	ug/L			09/22/21 11:58	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/22/21 11:58	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/22/21 11:58	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/22/21 11:58	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/22/21 11:58	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/22/21 11:58	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/22/21 11:58	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/22/21 11:58	1
o-Xylene	ND		1.0	0.16	ug/L			09/22/21 11:58	1
Styrene	ND		1.0	0.24	ug/L			09/22/21 11:58	1
Bromoform	ND		5.0	0.66	ug/L			09/22/21 11:58	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/22/21 11:58	1
Bromobenzene	ND		1.0	0.28	ug/L			09/22/21 11:58	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/22/21 11:58	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/22/21 11:58	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/22/21 11:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/22/21 11:58	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/22/21 11:58	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/22/21 11:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/22/21 11:58	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/22/21 11:58	1

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: MB 590-33220/6
Matrix: Water
Analysis Batch: 33220

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/22/21 11:58	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/22/21 11:58	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/22/21 11:58	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/22/21 11:58	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/22/21 11:58	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/22/21 11:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/22/21 11:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/22/21 11:58	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/22/21 11:58	1
Naphthalene	ND		2.0	0.63	ug/L			09/22/21 11:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/21 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		09/22/21 11:58	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/22/21 11:58	1
Dibromofluoromethane (Surr)	107		80 - 120		09/22/21 11:58	1
1,2-Dichloroethane-d4 (Surr)	118		80 - 120		09/22/21 11:58	1

Lab Sample ID: LCS 590-33220/4
Matrix: Water
Analysis Batch: 33220

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	10.0	10.4		ug/L		104	55 - 144
Vinyl chloride	10.0	11.3		ug/L		113	68 - 136
Bromomethane	10.0	9.35		ug/L		93	64 - 133
Chloroethane	10.0	10.4		ug/L		104	69 - 129
Trichlorofluoromethane	10.0	12.0		ug/L		120	78 - 132
1,1-Dichloroethene	10.0	11.5		ug/L		115	75 - 140
Methylene Chloride	10.0	10.8		ug/L		108	20 - 150
trans-1,2-Dichloroethene	10.0	11.3		ug/L		113	75 - 132
1,1-Dichloroethane	10.0	11.9		ug/L		119	79 - 121
2,2-Dichloropropane	10.0	11.8		ug/L		118	69 - 143
cis-1,2-Dichloroethene	10.0	11.8		ug/L		118	80 - 121
Bromochloromethane	10.0	12.5		ug/L		125	70 - 133
Chloroform	10.0	11.6		ug/L		116	80 - 126
1,1,1-Trichloroethane	10.0	11.9		ug/L		119	80 - 130
Carbon tetrachloride	10.0	10.8		ug/L		108	75 - 126
1,1-Dichloropropene	10.0	11.0		ug/L		110	76 - 125
Benzene	10.0	11.0		ug/L		110	80 - 126
1,2-Dichloroethane	10.0	12.6		ug/L		126	76 - 127
Trichloroethene	10.0	10.8		ug/L		108	75 - 129
1,2-Dichloropropane	10.0	11.2		ug/L		112	80 - 121
Dibromomethane	10.0	10.7		ug/L		107	70 - 126
Bromodichloromethane	10.0	11.2		ug/L		112	73 - 135
cis-1,3-Dichloropropene	10.0	10.2		ug/L		102	72 - 129
Toluene	10.0	10.1		ug/L		101	80 - 129
trans-1,3-Dichloropropene	10.0	9.40		ug/L		94	49 - 148

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: LCS 590-33220/4
Matrix: Water
Analysis Batch: 33220

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	80 - 126
Tetrachloroethene	10.0	10.0		ug/L		100	77 - 132
1,3-Dichloropropane	10.0	10.3		ug/L		103	73 - 126
Dibromochloromethane	10.0	9.75		ug/L		97	72 - 122
1,2-Dibromoethane (EDB)	10.0	10.4		ug/L		104	74 - 120
Chlorobenzene	10.0	10.3		ug/L		103	79 - 125
Ethylbenzene	10.0	10.4		ug/L		104	80 - 128
1,1,1,2-Tetrachloroethane	10.0	10.6		ug/L		106	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.9		ug/L		109	60 - 140
m,p-Xylene	10.0	10.1		ug/L		101	80 - 127
o-Xylene	10.0	10.5		ug/L		105	80 - 126
Styrene	10.0	10.2		ug/L		102	67 - 136
Bromoform	10.0	9.96		ug/L		100	65 - 134
Isopropylbenzene	10.0	10.5		ug/L		105	77 - 123
Bromobenzene	10.0	10.7		ug/L		107	68 - 128
N-Propylbenzene	10.0	10.8		ug/L		108	67 - 138
1,2,3-Trichloropropane	10.0	11.5		ug/L		115	53 - 143
2-Chlorotoluene	10.0	10.6		ug/L		106	63 - 131
1,3,5-Trimethylbenzene	10.0	11.2		ug/L		112	69 - 134
4-Chlorotoluene	10.0	11.0		ug/L		110	70 - 132
tert-Butylbenzene	10.0	10.9		ug/L		109	68 - 132
1,2,4-Trimethylbenzene	10.0	10.6		ug/L		106	69 - 133
sec-Butylbenzene	10.0	10.9		ug/L		109	67 - 131
1,3-Dichlorobenzene	10.0	10.9		ug/L		109	74 - 128
p-Isopropyltoluene	10.0	10.7		ug/L		107	72 - 127
1,4-Dichlorobenzene	10.0	10.9		ug/L		109	74 - 121
n-Butylbenzene	10.0	10.3		ug/L		103	71 - 127
1,2-Dichlorobenzene	10.0	10.8		ug/L		108	73 - 127
1,2-Dibromo-3-Chloropropane	10.0	10.7		ug/L		107	47 - 136
1,2,4-Trichlorobenzene	10.0	10.6		ug/L		106	62 - 136
1,2,3-Trichlorobenzene	10.0	10.5		ug/L		105	53 - 135
Hexachlorobutadiene	10.0	9.72		ug/L		97	71 - 128
Naphthalene	10.0	10.6		ug/L		106	50 - 142
Methyl tert-butyl ether	10.0	12.0		ug/L		120	77 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	116		80 - 120

Lab Sample ID: LCSD 590-33220/1003
Matrix: Water
Analysis Batch: 33220

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	10.0	11.4		ug/L		114	55 - 144	10	21
Vinyl chloride	10.0	11.0		ug/L		110	68 - 136	3	25

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: LCSD 590-33220/1003
Matrix: Water
Analysis Batch: 33220

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	10.0	9.51		ug/L		95	64 - 133	2	25
Chloroethane	10.0	10.0		ug/L		100	69 - 129	4	25
Trichlorofluoromethane	10.0	11.5		ug/L		115	78 - 132	4	19
1,1-Dichloroethene	10.0	11.7		ug/L		117	75 - 140	2	24
Methylene Chloride	10.0	10.6		ug/L		106	20 - 150	2	32
trans-1,2-Dichloroethene	10.0	11.6		ug/L		116	75 - 132	2	17
1,1-Dichloroethane	10.0	11.4		ug/L		114	79 - 121	4	16
2,2-Dichloropropane	10.0	12.0		ug/L		120	69 - 143	2	25
cis-1,2-Dichloroethene	10.0	11.8		ug/L		118	80 - 121	0	18
Bromochloromethane	10.0	13.3		ug/L		133	70 - 133	6	25
Chloroform	10.0	11.7		ug/L		117	80 - 126	0	18
1,1,1-Trichloroethane	10.0	11.9		ug/L		119	80 - 130	0	18
Carbon tetrachloride	10.0	11.3		ug/L		113	75 - 126	5	17
1,1-Dichloropropene	10.0	11.6		ug/L		116	76 - 125	5	24
Benzene	10.0	11.3		ug/L		113	80 - 126	2	18
1,2-Dichloroethane	10.0	12.8	*+	ug/L		128	76 - 127	2	16
Trichloroethene	10.0	10.8		ug/L		108	75 - 129	0	17
1,2-Dichloropropane	10.0	11.7		ug/L		117	80 - 121	4	18
Dibromomethane	10.0	11.1		ug/L		111	70 - 126	3	21
Bromodichloromethane	10.0	11.8		ug/L		118	73 - 135	5	19
cis-1,3-Dichloropropene	10.0	10.4		ug/L		104	72 - 129	1	20
Toluene	10.0	10.3		ug/L		103	80 - 129	2	18
trans-1,3-Dichloropropene	10.0	9.15		ug/L		91	49 - 148	3	35
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	80 - 126	2	16
Tetrachloroethene	10.0	10.2		ug/L		102	77 - 132	2	22
1,3-Dichloropropane	10.0	10.1		ug/L		101	73 - 126	2	23
Dibromochloromethane	10.0	10.0		ug/L		100	72 - 122	3	19
1,2-Dibromoethane (EDB)	10.0	10.1		ug/L		101	74 - 120	3	17
Chlorobenzene	10.0	10.3		ug/L		103	79 - 125	0	17
Ethylbenzene	10.0	10.9		ug/L		109	80 - 128	5	18
1,1,1,2-Tetrachloroethane	10.0	11.3		ug/L		113	75 - 125	6	23
1,1,2,2-Tetrachloroethane	10.0	11.3		ug/L		113	60 - 140	4	21
m,p-Xylene	10.0	10.1		ug/L		101	80 - 127	0	18
o-Xylene	10.0	10.5		ug/L		105	80 - 126	0	17
Styrene	10.0	10.1		ug/L		101	67 - 136	0	17
Bromoform	10.0	9.69		ug/L		97	65 - 134	3	20
Isopropylbenzene	10.0	10.9		ug/L		109	77 - 123	4	17
Bromobenzene	10.0	11.3		ug/L		113	68 - 128	5	18
N-Propylbenzene	10.0	11.4		ug/L		114	67 - 138	5	18
1,2,3-Trichloropropane	10.0	10.1		ug/L		101	53 - 143	12	32
2-Chlorotoluene	10.0	11.4		ug/L		114	63 - 131	7	25
1,3,5-Trimethylbenzene	10.0	11.8		ug/L		118	69 - 134	5	17
4-Chlorotoluene	10.0	11.5		ug/L		115	70 - 132	4	18
tert-Butylbenzene	10.0	11.5		ug/L		115	68 - 132	6	19
1,2,4-Trimethylbenzene	10.0	11.4		ug/L		114	69 - 133	7	17
sec-Butylbenzene	10.0	11.6		ug/L		116	67 - 131	6	19
1,3-Dichlorobenzene	10.0	11.0		ug/L		110	74 - 128	1	17
p-Isopropyltoluene	10.0	11.3		ug/L		113	72 - 127	5	18
1,4-Dichlorobenzene	10.0	10.5		ug/L		105	74 - 121	4	18

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: LCSD 590-33220/1003
Matrix: Water
Analysis Batch: 33220

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
n-Butylbenzene	10.0	10.6		ug/L		106	71 - 127	3	19
1,2-Dichlorobenzene	10.0	10.9		ug/L		109	73 - 127	1	16
1,2-Dibromo-3-Chloropropane	10.0	11.6		ug/L		116	47 - 136	8	34
1,2,4-Trichlorobenzene	10.0	10.4		ug/L		104	62 - 136	2	26
1,2,3-Trichlorobenzene	10.0	10.1		ug/L		101	53 - 135	4	35
Hexachlorobutadiene	10.0	9.61		ug/L		96	71 - 128	1	22
Naphthalene	10.0	10.4		ug/L		104	50 - 142	3	32
Methyl tert-butyl ether	10.0	11.8		ug/L		118	77 - 128	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Toluene-d8 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	117		80 - 120

Lab Sample ID: MB 590-33282/20
Matrix: Water
Analysis Batch: 33282

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L		09/27/21 19:28	19:28	1
Chloromethane	ND		3.0	0.50	ug/L		09/27/21 19:28	19:28	1
Vinyl chloride	ND		0.40	0.13	ug/L		09/27/21 19:28	19:28	1
Bromomethane	ND		5.0	0.76	ug/L		09/27/21 19:28	19:28	1
Chloroethane	ND		2.0	0.40	ug/L		09/27/21 19:28	19:28	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L		09/27/21 19:28	19:28	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L		09/27/21 19:28	19:28	1
Methylene Chloride	ND		5.0	2.2	ug/L		09/27/21 19:28	19:28	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L		09/27/21 19:28	19:28	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L		09/27/21 19:28	19:28	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L		09/27/21 19:28	19:28	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L		09/27/21 19:28	19:28	1
Bromochloromethane	ND		2.0	0.44	ug/L		09/27/21 19:28	19:28	1
Chloroform	ND		1.0	0.24	ug/L		09/27/21 19:28	19:28	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L		09/27/21 19:28	19:28	1
Carbon tetrachloride	ND		1.0	0.40	ug/L		09/27/21 19:28	19:28	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L		09/27/21 19:28	19:28	1
Benzene	ND		0.40	0.093	ug/L		09/27/21 19:28	19:28	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L		09/27/21 19:28	19:28	1
Trichloroethene	ND		1.0	0.20	ug/L		09/27/21 19:28	19:28	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L		09/27/21 19:28	19:28	1
Dibromomethane	ND		2.0	0.50	ug/L		09/27/21 19:28	19:28	1
Bromodichloromethane	ND		1.0	0.29	ug/L		09/27/21 19:28	19:28	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L		09/27/21 19:28	19:28	1
Toluene	ND		1.0	0.31	ug/L		09/27/21 19:28	19:28	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L		09/27/21 19:28	19:28	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L		09/27/21 19:28	19:28	1
Tetrachloroethene	ND		1.0	0.22	ug/L		09/27/21 19:28	19:28	1

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: MB 590-33282/20
Matrix: Water
Analysis Batch: 33282

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		2.0	0.21	ug/L			09/27/21 19:28	1
Dibromochloromethane	ND		2.0	0.33	ug/L			09/27/21 19:28	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			09/27/21 19:28	1
Chlorobenzene	ND		1.0	0.32	ug/L			09/27/21 19:28	1
Ethylbenzene	ND		1.0	0.20	ug/L			09/27/21 19:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			09/27/21 19:28	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			09/27/21 19:28	1
m,p-Xylene	ND		2.0	0.28	ug/L			09/27/21 19:28	1
o-Xylene	ND		1.0	0.16	ug/L			09/27/21 19:28	1
Styrene	ND		1.0	0.24	ug/L			09/27/21 19:28	1
Bromoform	ND		5.0	0.66	ug/L			09/27/21 19:28	1
Isopropylbenzene	ND		1.0	0.24	ug/L			09/27/21 19:28	1
Bromobenzene	ND		1.0	0.28	ug/L			09/27/21 19:28	1
N-Propylbenzene	ND		1.0	0.25	ug/L			09/27/21 19:28	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			09/27/21 19:28	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			09/27/21 19:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			09/27/21 19:28	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			09/27/21 19:28	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			09/27/21 19:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			09/27/21 19:28	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			09/27/21 19:28	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			09/27/21 19:28	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			09/27/21 19:28	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			09/27/21 19:28	1
n-Butylbenzene	ND		1.0	0.20	ug/L			09/27/21 19:28	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			09/27/21 19:28	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			09/27/21 19:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			09/27/21 19:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			09/27/21 19:28	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			09/27/21 19:28	1
Naphthalene	ND		2.0	0.63	ug/L			09/27/21 19:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/27/21 19:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		09/27/21 19:28	1
4-Bromofluorobenzene (Surr)	107		80 - 120		09/27/21 19:28	1
Dibromofluoromethane (Surr)	105		80 - 120		09/27/21 19:28	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/27/21 19:28	1

Lab Sample ID: LCS 590-33282/1018
Matrix: Water
Analysis Batch: 33282

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	17.6	*+	ug/L		176	48 - 142
Chloromethane	10.0	15.1	*+	ug/L		151	55 - 144
Vinyl chloride	10.0	13.2		ug/L		132	68 - 136
Bromomethane	10.0	12.5		ug/L		125	64 - 133

Eurofins TestAmerica, Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: LCS 590-33282/1018
Matrix: Water
Analysis Batch: 33282

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	10.0	12.7		ug/L		127	69 - 129
Trichlorofluoromethane	10.0	12.1		ug/L		121	78 - 132
1,1-Dichloroethene	10.0	12.1		ug/L		121	75 - 140
Methylene Chloride	10.0	9.92		ug/L		99	20 - 150
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	75 - 132
1,1-Dichloroethane	10.0	10.4		ug/L		104	79 - 121
2,2-Dichloropropane	10.0	10.8		ug/L		108	69 - 143
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	80 - 121
Bromochloromethane	10.0	10.3		ug/L		103	70 - 133
Chloroform	10.0	10.3		ug/L		103	80 - 126
1,1,1-Trichloroethane	10.0	10.2		ug/L		102	80 - 130
Carbon tetrachloride	10.0	9.58		ug/L		96	75 - 126
1,1-Dichloropropene	10.0	10.4		ug/L		104	76 - 125
Benzene	10.0	10.3		ug/L		103	80 - 126
1,2-Dichloroethane	10.0	10.2		ug/L		102	76 - 127
Trichloroethene	10.0	10.0		ug/L		100	75 - 129
1,2-Dichloropropane	10.0	9.53		ug/L		95	80 - 121
Dibromomethane	10.0	10.8		ug/L		108	70 - 126
Bromodichloromethane	10.0	10.2		ug/L		102	73 - 135
cis-1,3-Dichloropropene	10.0	9.24		ug/L		92	72 - 129
Toluene	10.0	10.1		ug/L		101	80 - 129
trans-1,3-Dichloropropene	10.0	9.49		ug/L		95	49 - 148
1,1,2-Trichloroethane	10.0	9.74		ug/L		97	80 - 126
Tetrachloroethene	10.0	9.84		ug/L		98	77 - 132
1,3-Dichloropropane	10.0	10.1		ug/L		101	73 - 126
Dibromochloromethane	10.0	10.0		ug/L		100	72 - 122
1,2-Dibromoethane (EDB)	10.0	9.69		ug/L		97	74 - 120
Chlorobenzene	10.0	10.1		ug/L		101	79 - 125
Ethylbenzene	10.0	9.40		ug/L		94	80 - 128
1,1,1,2-Tetrachloroethane	10.0	10.0		ug/L		100	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.1		ug/L		101	60 - 140
m,p-Xylene	10.0	9.44		ug/L		94	80 - 127
o-Xylene	10.0	9.09		ug/L		91	80 - 126
Styrene	10.0	8.56		ug/L		86	67 - 136
Bromoform	10.0	9.20		ug/L		92	65 - 134
Isopropylbenzene	10.0	8.89		ug/L		89	77 - 123
Bromobenzene	10.0	10.6		ug/L		106	68 - 128
N-Propylbenzene	10.0	10.1		ug/L		101	67 - 138
1,2,3-Trichloropropane	10.0	9.73		ug/L		97	53 - 143
2-Chlorotoluene	10.0	10.3		ug/L		103	63 - 131
1,3,5-Trimethylbenzene	10.0	10.5		ug/L		105	69 - 134
4-Chlorotoluene	10.0	10.3		ug/L		103	70 - 132
tert-Butylbenzene	10.0	10.1		ug/L		101	68 - 132
1,2,4-Trimethylbenzene	10.0	9.77		ug/L		98	69 - 133
sec-Butylbenzene	10.0	10.3		ug/L		103	67 - 131
1,3-Dichlorobenzene	10.0	9.89		ug/L		99	74 - 128
p-Isopropyltoluene	10.0	10.2		ug/L		102	72 - 127
1,4-Dichlorobenzene	10.0	9.54		ug/L		95	74 - 121
n-Butylbenzene	10.0	10.1		ug/L		101	71 - 127

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QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: LCS 590-33282/1018
Matrix: Water
Analysis Batch: 33282

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	10.0	10.2		ug/L		102	73 - 127
1,2-Dibromo-3-Chloropropane	10.0	9.71	J	ug/L		97	47 - 136
1,2,4-Trichlorobenzene	10.0	10.5		ug/L		105	62 - 136
1,2,3-Trichlorobenzene	10.0	10.9		ug/L		109	53 - 135
Hexachlorobutadiene	10.0	12.0		ug/L		120	71 - 128
Naphthalene	10.0	9.71		ug/L		97	50 - 142
Methyl tert-butyl ether	10.0	10.6		ug/L		106	77 - 128

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

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

Lab Sample ID: MB 590-33219/6
Matrix: Water
Analysis Batch: 33219

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70	ug/L			09/22/21 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		68.7 - 141		09/22/21 11:58	1

Lab Sample ID: LCS 590-33219/1005
Matrix: Water
Analysis Batch: 33219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	1180		ug/L		118	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		68.7 - 141

Lab Sample ID: LCSD 590-33219/1016
Matrix: Water
Analysis Batch: 33219

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	1070		ug/L		107	80 - 120	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		68.7 - 141

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: MB 590-33216/3-A
Matrix: Water
Analysis Batch: 33213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33216

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		09/22/21 09:29	09/22/21 13:05	1

Lab Sample ID: LCS 590-33216/4-A
Matrix: Water
Analysis Batch: 33213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	0.125	0.126		ug/L		101	60 - 140

Lab Sample ID: LCSD 590-33216/5-A
Matrix: Water
Analysis Batch: 33213

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33216

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	0.125	0.115		ug/L		92	60 - 140	9	20

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-550538/1-A
Matrix: Water
Analysis Batch: 551385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		1.0	0.17	ug/L		09/21/21 13:12	09/29/21 04:38	1
MCPP	ND		400	33	ug/L		09/21/21 13:12	09/29/21 04:38	1
2,4,5-T	ND		1.0	0.46	ug/L		09/21/21 13:12	09/29/21 04:38	1
2,4-D	ND		4.0	0.53	ug/L		09/21/21 13:12	09/29/21 04:38	1
2,4-DB	ND		4.0	0.75	ug/L		09/21/21 13:12	09/29/21 04:38	1
Dalapon	ND		2.0	0.91	ug/L		09/21/21 13:12	09/29/21 04:38	1
Dicamba	ND		2.0	0.44	ug/L		09/21/21 13:12	09/29/21 04:38	1
Dichlorprop	ND		4.0	0.65	ug/L		09/21/21 13:12	09/29/21 04:38	1
Dinoseb	ND		1.0	0.45	ug/L		09/21/21 13:12	09/29/21 04:38	1
MCPA	ND		400	48	ug/L		09/21/21 13:12	09/29/21 04:38	1
Picloram	ND		0.50	0.24	ug/L		09/21/21 13:12	09/29/21 04:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	68		39 - 135	09/21/21 13:12	09/29/21 04:38	1

Lab Sample ID: LCS 280-550538/2-A
Matrix: Water
Analysis Batch: 551385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	5.00	3.47		ug/L		69	48 - 123
MCPP	500	435		ug/L		87	33 - 131
2,4,5-T	5.00	3.15		ug/L		63	42 - 121
2,4-D	5.00	3.23	J	ug/L		65	41 - 124
2,4-DB	5.00	2.15	J	ug/L		43	35 - 117
Dalapon	5.00	2.47		ug/L		49	24 - 124

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QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: LCS 280-550538/2-A
Matrix: Water
Analysis Batch: 551385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dicamba	5.00	3.64		ug/L		73	44 - 114
Dichlorprop	5.00	3.73	J	ug/L		75	46 - 117
Dinoseb	5.00	2.35	*-	ug/L		47	59 - 179
MCPA	500	322	J	ug/L		64	37 - 106
Picloram	5.00	2.40		ug/L		48	39 - 109

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	70		39 - 135

Lab Sample ID: LCSD 280-550538/3-A
Matrix: Water
Analysis Batch: 551385

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 550538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Silvex (2,4,5-TP)	5.00	3.81		ug/L		76	48 - 123	9	20
MCPP	500	481		ug/L		96	33 - 131	10	30
2,4,5-T	5.00	3.47		ug/L		69	42 - 121	10	30
2,4-D	5.00	3.54	J	ug/L		71	41 - 124	9	20
2,4-DB	5.00	2.53	J	ug/L		51	35 - 117	16	30
Dalapon	5.00	2.75		ug/L		55	24 - 124	11	30
Dicamba	5.00	3.91		ug/L		78	44 - 114	7	30
Dichlorprop	5.00	4.13		ug/L		83	46 - 117	10	30
Dinoseb	5.00	2.72	*-	ug/L		54	59 - 179	14	30
MCPA	500	357	J	ug/L		71	37 - 106	10	30
Picloram	5.00	2.58		ug/L		52	39 - 109	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	75		39 - 135

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

Lab Sample ID: MB 590-33186/1-A
Matrix: Water
Analysis Batch: 33182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		09/20/21 14:41	09/20/21 21:27	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		09/20/21 14:41	09/20/21 21:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150	09/20/21 14:41	09/20/21 21:27	1
n-Triacontane-d62	85		50 - 150	09/20/21 14:41	09/20/21 21:27	1

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QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: LCS 590-33186/2-A
Matrix: Water
Analysis Batch: 33182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO) (C10-C25)	1.60	1.16		mg/L		72	50 - 150
Residual Range Organics (RRO) (C25-C36)	1.60	1.40		mg/L		87	50 - 150
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
<i>o</i> -Terphenyl	87		50 - 150				
<i>n</i> -Triacontane-d62	90		50 - 150				

Lab Sample ID: LCSD 590-33186/3-A
Matrix: Water
Analysis Batch: 33182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33186

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	1.60	1.21		mg/L		76	50 - 150	4	25
Residual Range Organics (RRO) (C25-C36)	1.60	1.47		mg/L		92	50 - 150	5	25
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
<i>o</i> -Terphenyl	90		50 - 150						
<i>n</i> -Triacontane-d62	93		50 - 150						

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-368844/24-A
Matrix: Water
Analysis Batch: 368980

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 368844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00020	mg/L		09/24/21 20:03	09/27/21 23:10	1
Barium	ND		0.0012	0.00021	mg/L		09/24/21 20:03	09/27/21 23:10	1
Cadmium	ND		0.00040	0.000037	mg/L		09/24/21 20:03	09/27/21 23:10	1
Chromium	ND		0.00080	0.00017	mg/L		09/24/21 20:03	09/27/21 23:10	1
Lead	ND		0.00040	0.000040	mg/L		09/24/21 20:03	09/27/21 23:10	1
Selenium	ND		0.0080	0.0021	mg/L		09/24/21 20:03	09/27/21 23:10	1
Silver	ND		0.00040	0.000025	mg/L		09/24/21 20:03	09/27/21 23:10	1

Lab Sample ID: LCS 580-368844/25-A
Matrix: Water
Analysis Batch: 368980

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 368844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.00		mg/L		100	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Cadmium	1.00	0.996		mg/L		100	80 - 120
Chromium	1.00	0.986		mg/L		99	80 - 120
Lead	1.00	0.950		mg/L		95	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120

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QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: LCS 580-368844/25-A
Matrix: Water
Analysis Batch: 368980

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 368844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	1.00	0.990		mg/L		99	80 - 120

Lab Sample ID: LCSD 580-368844/26-A
Matrix: Water
Analysis Batch: 368980

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 368844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	0.995		mg/L		100	80 - 120	0	20
Barium	1.00	1.01		mg/L		101	80 - 120	1	20
Cadmium	1.00	0.990		mg/L		99	80 - 120	1	20
Chromium	1.00	0.984		mg/L		98	80 - 120	0	20
Lead	1.00	0.950		mg/L		95	80 - 120	0	20
Selenium	1.00	0.995		mg/L		100	80 - 120	1	20
Silver	1.00	0.990		mg/L		99	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 580-368776/22-A
Matrix: Water
Analysis Batch: 368882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00030	0.00015	mg/L		09/24/21 12:28	09/24/21 15:36	1

Lab Sample ID: LCS 580-368776/23-A
Matrix: Water
Analysis Batch: 368882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00212		mg/L		106	80 - 120

Lab Sample ID: LCSD 580-368776/24-A
Matrix: Water
Analysis Batch: 368882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 368776

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00200	0.00213		mg/L		107	80 - 120	0	20

Lab Sample ID: 590-15906-1 MS
Matrix: Water
Analysis Batch: 368882

Client Sample ID: MW-6D-20210914
Prep Type: Dissolved
Prep Batch: 368776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00200	0.00205		mg/L		102	80 - 120

QC Sample Results

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 590-15906-1 MSD
Matrix: Water
Analysis Batch: 368882

Client Sample ID: MW-6D-20210914
Prep Type: Dissolved
Prep Batch: 368776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00200	0.00203		mg/L		102	80 - 120	1	20

Lab Sample ID: 590-15906-1 DU
Matrix: Water
Analysis Batch: 368882

Client Sample ID: MW-6D-20210914
Prep Type: Dissolved
Prep Batch: 368776

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	ND		ND		mg/L		NC	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-551134/20
Matrix: Water
Analysis Batch: 551134

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 10:45	1

Lab Sample ID: MB 280-551134/55
Matrix: Water
Analysis Batch: 551134

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.022	mg/L			09/24/21 12:01	1

Lab Sample ID: LCS 280-551134/53
Matrix: Water
Analysis Batch: 551134

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	2.50	2.45		mg/L		98	90 - 110

Lab Sample ID: LCSD 280-551134/54
Matrix: Water
Analysis Batch: 551134

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	2.50	2.45		mg/L		98	90 - 110	0	10

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-550443/26
Matrix: Water
Analysis Batch: 550443

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0407	J	0.10	0.019	mg/L			09/20/21 11:36	1

QC Sample Results

Client: HDR Inc
 Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

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

Lab Sample ID: LCS 280-550443/21
Matrix: Water
Analysis Batch: 550443

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	5.00	4.97		mg/L		99	90 - 110

Lab Sample ID: LCSD 280-550443/23
Matrix: Water
Analysis Batch: 550443

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	5.00	4.95		mg/L		99	90 - 110	0	10



Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-6D-20210914

Lab Sample ID: 590-15906-1

Date Collected: 09/14/21 10:21

Matrix: Water

Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 19:49	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 14:02	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 14:02	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 14:10	NMI	TAL SPK
Total/NA	Prep	8151A			1052.5 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 11:01	MB	TAL DEN
Total/NA	Prep	3510C			258.4 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 02:59	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 00:47	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 15:43	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:11	MMP	TAL DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	550443	09/20/21 12:20	ZPM	TAL DEN

Client Sample ID: MW-7D-20210914

Lab Sample ID: 590-15906-2

Date Collected: 09/14/21 12:07

Matrix: Water

Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 20:11	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 14:23	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 14:23	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 14:26	NMI	TAL SPK
Total/NA	Prep	8151A			1053.1 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 11:23	MB	TAL DEN
Total/NA	Prep	3510C			266.2 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 03:20	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 00:51	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 15:56	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:13	MMP	TAL DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	550443	09/20/21 12:22	ZPM	TAL DEN

Client Sample ID: MW-4-20210914

Lab Sample ID: 590-15906-3

Date Collected: 09/14/21 14:04

Matrix: Water

Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 20:32	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 14:44	JSP	TAL SPK

Eurofins TestAmerica, Spokane

Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-4-20210914

Lab Sample ID: 590-15906-3

Date Collected: 09/14/21 14:04

Matrix: Water

Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 14:44	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 14:42	NMI	TAL SPK
Total/NA	Prep	8151A			1050.9 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 11:46	MB	TAL DEN
Total/NA	Prep	3510C			266.1 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 04:01	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 00:55	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 15:59	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:15	MMP	TAL DEN
Total/NA	Analysis	353.2		10	100 mL	100 mL	550443	09/20/21 12:24	ZPM	TAL DEN

Client Sample ID: MW-5R-20210914

Lab Sample ID: 590-15906-4

Date Collected: 09/14/21 15:04

Matrix: Water

Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 20:54	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 15:05	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 15:05	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 14:59	NMI	TAL SPK
Total/NA	Prep	8151A			1053.6 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 12:30	MB	TAL DEN
Total/NA	Prep	3510C			260.9 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 04:22	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 00:58	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 16:01	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:17	MMP	TAL DEN
Total/NA	Analysis	353.2		2	100 mL	100 mL	550443	09/20/21 12:26	ZPM	TAL DEN

Client Sample ID: MW-3R-20210914

Lab Sample ID: 590-15906-5

Date Collected: 09/14/21 16:13

Matrix: Water

Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 21:15	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 15:26	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 15:26	JSP	TAL SPK

Eurofins TestAmerica, Spokane

Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Client Sample ID: MW-3R-20210914

Lab Sample ID: 590-15906-5

Date Collected: 09/14/21 16:13

Matrix: Water

Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 15:15	NMI	TAL SPK
Total/NA	Prep	8151A			1046.3 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 12:53	MB	TAL DEN
Total/NA	Prep	3510C			263.8 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 04:42	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 01:02	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 16:03	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:19	MMP	TAL DEN
Total/NA	Analysis	353.2		5	100 mL	100 mL	550443	09/20/21 12:28	ZPM	TAL DEN

Client Sample ID: Rinsate

Lab Sample ID: 590-15906-6

Date Collected: 09/14/21 12:28

Matrix: Water

Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33282	09/27/21 21:37	JSP	TAL SPK
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 15:47	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 15:47	JSP	TAL SPK
Total/NA	Prep	8011			80 mL	2 mL	33216	09/22/21 09:29	KBZ	TAL SPK
Total/NA	Analysis	8011		1			33213	09/22/21 15:31	NMI	TAL SPK
Total/NA	Prep	8151A			1057 mL	10 mL	550538	09/21/21 13:12	CDH	TAL DEN
Total/NA	Analysis	8151A		1			551385	09/29/21 13:15	MB	TAL DEN
Total/NA	Prep	3510C			266 mL	2 mL	33186	09/20/21 14:41	KBZ	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			33182	09/21/21 05:03	NMI	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	368844	09/24/21 20:03	TMH	FGS SEA
Dissolved	Analysis	6020B		5	50 mL	50 mL	368980	09/28/21 01:06	FCW	FGS SEA
Dissolved	Prep	7470A			50 mL	50 mL	368776	09/24/21 12:28	TMH	FGS SEA
Dissolved	Analysis	7470A		1			368882	09/24/21 16:05	JLS	FGS SEA
Total/NA	Analysis	350.1		1	10 mL	10 mL	551134	09/24/21 13:21	MMP	TAL DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	550443	09/20/21 12:42	ZPM	TAL DEN

Client Sample ID: Trip Blank

Lab Sample ID: 590-15906-7

Date Collected: 09/14/21 08:00

Matrix: Water

Date Received: 09/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	33220	09/22/21 16:29	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	33219	09/22/21 16:29	JSP	TAL SPK

Eurofins TestAmerica, Spokane

Lab Chronicle

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Laboratory References:

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

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

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

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Accreditation/Certification Summary

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
NWTPH-Dx	3510C	Water	Residual Range Organics (RRO) (C25-C36)

Laboratory: Eurofins FGS, Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-22

Laboratory: Eurofins TestAmerica, Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C583-19	08-03-22

Method Summary

Client: HDR Inc
Project/Site: Sunnyside, Washington/10302086

Job ID: 590-15906-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL SPK
8151A	Herbicides (GC)	SW846	TAL DEN
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6020B	Metals (ICP/MS)	SW846	FGS SEA
7470A	Mercury (CVAA)	SW846	FGS SEA
350.1	Nitrogen, Ammonia	MCAWW	TAL DEN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL DEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	FGS SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK
5030C	Purge and Trap	SW846	TAL SPK
7470A	Preparation, Mercury	SW846	FGS SEA
8011	Microextraction	SW846	TAL SPK
8151A	Extraction (Herbicides)	SW846	TAL DEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
NWTPH = Northwest Total Petroleum Hydrocarbon
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310
TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane

11922 East 1st Ave

Spokane, WA 99206

Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record



Environment Testing America

Client Information		Sampler: <u>Katie Krajicek</u>	Lab PM: <u>Arrington, Randee E</u>	Carrier Tracking No(s):	COC No: <u>590-6830-2014.1</u>							
Client Contact: <u>Katie Krajicek</u>		Phone: <u>402.708.9275</u>	E-Mail: <u>Randee.Arrington@Eurofinset.com</u>	State of Origin: <u>WA</u>	Page: <u>Page 1 of 1</u>							
Company: <u>HDR Inc</u>		PWSID:		Analysis Requested								
Address: <u>412 E. Parkcenter Blvd. Suite 100</u>		Due Date Requested:		Job #:								
City: <u>Boise</u>		TAT Requested (days):		Preservation Codes:								
State, Zip: <u>ID, 83706-6659</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)								
Phone: <u>208-340-3854</u>		PO #:		Total Number of containers								
Email: <u>kaitlyn.krajicek@hdr.com</u>		Purchase Order Requested										
Project Name: <u>Sunnyside, Washington</u>		Project #: <u>59002213</u>										
Site: <u>Sunnyside</u>		SSOW#: <u>10302086</u>										
Sample Identification		Sample Date	Sample Time			Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MSMSD (Yes or No)	Field Filtered 8 Metals (Field Filtered)	Field Filtered N N A A N	Field Filtered D A S N N A A N
								6020B, 7470A - Dissolved RCRA 8 Metals (Field Filtered)	Field Filtered	Field Filtered		
<u>MWD-20210914</u>		<u>9/14/21</u>	<u>10:21</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>72</u>
<u>MW-7D-20210914</u>		<u>9/14/21</u>	<u>12:07</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>Cex</u>
<u>MW-4-20210914</u>		<u>9/14/21</u>	<u>14:04</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>fu</u>
<u>MW-5B-20210914</u>		<u>9/14/21</u>	<u>15:04</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>Sp</u>
<u>MW-3R-20210914</u>		<u>9/14/21</u>	<u>16:13</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>CS</u>
<u>Rinsate</u>		<u>9/14/21</u>	<u>12:28</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>Trip Blank</u>					<u>Water</u>	<u>Y</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>Cex</u>
												<u>16</u>
												<u>KK</u>
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 checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					Special Instructions/QC Requirements:		
Deliverable Requested: I, II, III, IV, Other (specify)												
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:						
Relinquished by: <u>Katie Krajicek</u>		Date/Time: <u>9/15/2021 10:39</u>		Company: <u>HDR</u>		Received by: <u>Madison Vaughan</u>		Date/Time: <u>9/16/21 9:00</u>		Company:		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:		
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: <u>130188</u>		Cooler Temperature(s) °C and Other Remarks: <u>1.2 12:06 0.9 12:06</u>								



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Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM:	Carrier Tracking No(s):								
Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 4955 Yarrow Street City: Arvada State, Zip: CO, 80002 Phone: 303-736-0100(Tel) 303-431-7171(Fax) Email: Project Name: Sunnyside, Washington Site:		Arrington, Randee E E-Mail: Randee.Arrington@Eurofinset.com State of Origin: Washington	590-6302-1 Page: 1 of 1 Job #: 590-15906-1								
Due Date Requested:		Analysis Requested	Preservation Codes:								
9/29/2021 TAT Requested (days): PO #: WO #: Project #: 59002213 SSOW#:		815A/815A_AP (MOD) Herbicide (Aqueous) 350.1 393.2 Pres Total Number of Containers: 3	A HCL B NaOH C Zn Acetate D Nitric Acid E NaHSO4 F MeOH G Amchlor H Ascorbic Acid J DI Water K EDTA L EDA Other: 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)								
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/sol, BTA=Tea, AA=)	Field Filled Sample (Yes or No)	Form MS/MD (Yes or No)	815A/815A_AP (MOD) Herbicide (Aqueous)	393.2 Pres	350.1	Total Number of Containers	Special Instructions/Note:
MW-6D-20210914 (590-15906-1)	9/14/21	10:21 Pacific	Water	Water			X	X		3	
MW-7D-20210914 (590-15906-2)	9/14/21	12:07 Pacific	Water	Water			X	X		3	
MW-4-20210914 (590-15906-3)	9/14/21	14:04 Pacific	Water	Water			X	X		3	
MW-5R-20210914 (590-15906-4)	9/14/21	15:04 Pacific	Water	Water			X	X		3	
MW-3R-20210914 (590-15906-5)	9/14/21	16:13 Pacific	Water	Water			X	X		3	
Rinsate (590-15906-6)	9/14/21	12:28 Pacific	Water	Water			X	X		3	

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/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: *Madison Vayhan* Date: *9/14/21* Company: _____
 Relinquished by: _____ Date: _____ Company: _____
 Relinquished by: _____ Date: _____ Company: _____
 Custody Seal Intact: Yes No No
 Custody Seal # *130211, 130213*
 Cooler Temperature(s) °C and Other Remarks: *14.0.9 CF10 JAN*

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:

Method of Shipment: _____
 Received by: *JHA* Date/Time: *9/17/21 0945* Company: *ETADEN*
 Received by: _____ Date/Time: _____ Company: _____
 Received by: _____ Date/Time: _____ Company: _____

Eurofins TestAmerica, Spokane

11922 East 1st Ave
 Spokane, WA 99206
 Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record



Environment Testing
 America

Client Information (Sub Contract Lab)			Sampler:		Lab PM: Arrington, Randee E		Carrier Tracking No(s):		COC No: 590-6301.1		
Client Contact: Shipping/Receiving			Phone:		E-Mail: Randee.Arrington@Eurofinset.com		State of Origin: Washington		Page: Page 1 of 1		
Company: Eurofins Frontier Global Sciences LLC			Address: 5755 8th Street East,		Due Date Requested: 9/29/2021		Analysis Requested		Job #: 590-15906-1		
City: Tacoma			State, Zip: WA, 98424		TAT Requested (days):		6020B/FILTRATION Dissolved RCRA 8 (LF)		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)		
Phone: 253-922-2310(Tel) 425-420-9210(Fax)			Email:		PO #:		7470A/FILTRATION Diss Hg (LF)		Other:		
Project Name: Sunnyside, Washington			Project #: 59002213		WO #:						
Site:			SSOW#:								
Sample Identification - Client ID (Lab ID)			Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, AA=Air)		
									Field Filtered Sample (Yes or No)		
									Perform MS/MSD (Yes or No)		
									6020B/FILTRATION Dissolved RCRA 8 (LF)		
									7470A/FILTRATION Diss Hg (LF)		
									Total Number of containers		
									Special Instructions/Note:		
MW-6D-20210914 (590-15906-1)			9/14/21		10:21 Pacific		Water		X X 1		
MW-7D-20210914 (590-15906-2)			9/14/21		12:07 Pacific		Water		X X 1		
MW-4-20210914 (590-15906-3)			9/14/21		14:04 Pacific		Water		X X 1		
MW-5R-20210914 (590-15906-4)			9/14/21		15:04 Pacific		Water		X X 1		
MW-3R-20210914 (590-15906-5)			9/14/21		16:13 Pacific		Water		X X 1		
Rinsate (590-15906-6)			9/14/21		12:28 Pacific		Water		X X 1		
<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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.</p>											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed						<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)				Primary Deliverable Rank: 2		Special Instructions/QC Requirements:					
Empty Kit Relinquished by:			Date:			Time:			Method of Shipment:		
Relinquished by: <i>Madison Vaughan</i>			Date/Time: <i>9/16/21 2:43</i>			Company: <i>ETASPU</i>			Received by: <i>Tom Blum</i>		
Relinquished by:			Date/Time:			Company:			Received by:		
Relinquished by:			Date/Time:			Company:			Received by:		
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: <i>IR? 1.4/1.4 2.9/2.9</i>					

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15906-1

Login Number: 15906

List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: Vaughan, Madison 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15906-1

Login Number: 15906

List Number: 2

Creator: Blankinship, Tom X

List Source: Eurofins FGS, Seattle

List Creation: 09/17/21 03:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is < /= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4°, 2.9°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	False	Preservation labels on samples match COC
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is < 6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-15906-1

Login Number: 15906

List Number: 3

Creator: Roehsner, Karen P

List Source: Eurofins TestAmerica, Denver

List Creation: 09/17/21 07:04 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

