



February 7, 2023

Christer Loftenius
Washington State Department of Ecology – Eastern Regional Office
4601 North Monroe Street
Spokane, WA 99205-3543

**Subject: Progress Report for January 2023, Warden City Water Supply Wells No. 4 and 5.
Washington Facility Site ID No. 2802409; Cleanup Site ID: 1618
Agreed Order No. DE 16890**

Dear Christer:

The J.R. Simplot Company (Simplot) entered into an Agreed Order (AO) (No. DE 16890) with the Washington State Department of Ecology (Ecology) to provide remedial action at 1800 W. 1st Street, Warden WA, 98857.

Per the AO, Simplot shall submit to Ecology written monthly progress reports that describe the actions taken during the previous month to implement the requirements 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 month;
- 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 January 2023

- Comments on the Groundwater Well Installation Plan (HDR 2021) were received from Ecology; Simplot/HDR are currently working on incorporating comments to a revised Plan.
- Investigative derived waste (IDW) water samples and SVE knockout tank water samples were collected for reanalysis on 1/4/2023. Sample results were received and have been forwarded to Simplot's waste disposal contractor and proposed disposal facility for acceptance and approval. IDW disposal is pending.

Anticipated Activities for February 2023

- Simplot/GrayMar to coordinate the shipment of spent carbon as RCRA hazardous to Waste Management's Subtitle C landfill in Arlington, Oregon and IDW and SVE knockout tank water for solidification as non-hazardous at Waste Connections Landfill in Boardman, OR.
- Simplot/HDR will incorporate Ecology comments on the Groundwater Well Installation Plan and submit to Ecology in February 2023 (submitted February 2).
- Simplot/HDR will incorporate SVE remedial activities into the draft cleanup action report and submit to Ecology in May 2023.

If you have questions please feel free to contact me at (208) 387-7018 or at tyler.allen@hdrinc.com or Molly Dimick of Simplot at (208) 220-6597 or at molly.dimick@simplot.com.

Respectfully,
HDR Engineering, Inc.



Tyler Allen
Project Manager

Attachments: IDW Water 1-4-2023 (J19547-1) Lab Report.pdf

CC: Molly Dimick, J.R. Simplot Company

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Jered Newcomb
HDR Inc
1401 E. Trent Ave
Suite 101
Spokane, Washington 99202

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JOB DESCRIPTION

Simplot Warden

JOB NUMBER

590-19547-1

Eurofins Spokane

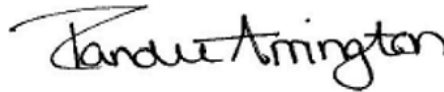
Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200



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Case Narrative

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Job ID: 590-19547-1

Laboratory: Eurofins Spokane

Narrative

Receipt

The samples were received on 1/4/2023 2:13 PM. 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 9.2° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: IDW-Drum-1-01042023 (590-19547-1), IDW-Drum-2-01042023 (590-19547-2), IDW-Drum-3-01042023 (590-19547-3), IDW-Drum-4-01042023 (590-19547-4), IDW-Drum-5-01042023 (590-19547-5), IDW-Drum-6-01042023 (590-19547-6), TOTE-Water-1-01042023 (590-19547-7), TOTE-Water-2-01042023 (590-19547-8) and Trip Blank (590-19547-9). The samples are considered acceptable since they were collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC/MS VOA

Method 8260D: Surrogate recovery for the following sample was outside the upper control limit: IDW-Drum-3-01042023 (590-19547-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

GC/MS Semi VOA

Method 8270C: Surrogate recovery for the following samples were outside control limits: IDW-Drum-2-01042023 (590-19547-2), IDW-Drum-3-01042023 (590-19547-3) and TOTE-Water-1-01042023 (590-19547-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

General Chemistry

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

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-294826. 8270C

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: Simplot Warden

Job ID: 590-19547-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-19547-1	IDW-Drum-1-01042023	Water	01/04/23 10:00	01/04/23 14:13
590-19547-2	IDW-Drum-2-01042023	Water	01/04/23 10:10	01/04/23 14:13
590-19547-3	IDW-Drum-3-01042023	Water	01/04/23 10:20	01/04/23 14:13
590-19547-4	IDW-Drum-4-01042023	Water	01/04/23 10:40	01/04/23 14:13
590-19547-5	IDW-Drum-5-01042023	Water	01/04/23 10:50	01/04/23 14:13
590-19547-6	IDW-Drum-6-01042023	Water	01/04/23 11:00	01/04/23 14:13
590-19547-7	TOTE-Water-1-01042023	Water	01/04/23 11:30	01/04/23 14:13
590-19547-8	TOTE-Water-2-01042023	Water	01/04/23 11:40	01/04/23 14:13
590-19547-9	Trip Blank	Water	01/04/23 00:00	01/04/23 14:13

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Definitions/Glossary

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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.
S1-	Surrogate recovery exceeds control limits, low biased.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-1-01042023

Lab Sample ID: 590-19547-1

Date Collected: 01/04/23 10:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 18:25	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 18:25	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 18:25	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 18:25	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 18:25	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 18:25	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 18:25	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 18:25	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 18:25	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 18:25	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 18:25	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 18:25	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 18:25	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 18:25	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 18:25	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 18:25	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 18:25	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 18:25	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 18:25	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 18:25	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 18:25	1
Dibromomethane	ND		2.0	0.50	ug/L			01/11/23 18:25	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 18:25	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 18:25	1
Toluene	ND		1.0	0.31	ug/L			01/11/23 18:25	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 18:25	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 18:25	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 18:25	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 18:25	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 18:25	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 18:25	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 18:25	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 18:25	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 18:25	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 18:25	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 18:25	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 18:25	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 18:25	1
Bromoform	ND		5.0	0.66	ug/L			01/11/23 18:25	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 18:25	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 18:25	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 18:25	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 18:25	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 18:25	1
1,3,5-Trimethylbenzene	0.36	J	1.0	0.32	ug/L			01/11/23 18:25	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 18:25	1
tert-Butylbenzene	0.22	J	1.0	0.12	ug/L			01/11/23 18:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 18:25	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 18:25	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-1-01042023

Lab Sample ID: 590-19547-1

Date Collected: 01/04/23 10:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 18:25	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 18:25	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 18:25	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 18:25	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 18:25	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 18:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 18:25	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 18:25	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 18:25	1
Naphthalene	1.3	J	2.0	0.63	ug/L			01/11/23 18:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					01/11/23 18:25	1
4-Bromofluorobenzene (Surr)	111		80 - 120					01/11/23 18:25	1
Dibromofluoromethane (Surr)	106		80 - 120					01/11/23 18:25	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 120					01/11/23 18:25	1

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
1,2-Dichlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
1,3-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
1,4-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
1-Methylnaphthalene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
2,4,5-Trichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 20:53	1
2,4,6-Trichlorophenol	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
2,4-Dichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 20:53	1
2,4-Dimethylphenol	ND		9.6	1.3	ug/L		01/11/23 05:31	01/12/23 20:53	1
2,4-Dinitrophenol	ND		48	20	ug/L		01/11/23 05:31	01/12/23 20:53	1
2,4-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
2,6-Dichlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
2,6-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
2-Chloronaphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
2-Chlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
2-Methylnaphthalene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 20:53	1
2-Methylphenol	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 20:53	1
2-Nitroaniline	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 20:53	1
2-Nitrophenol	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 20:53	1
3,3'-Dichlorobenzidine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 20:53	1
3 & 4 Methylphenol	ND		9.6	2.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
3-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 20:53	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		01/11/23 05:31	01/12/23 20:53	1
4-Bromophenyl phenyl ether	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 20:53	1
4-Chloro-3-methylphenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 20:53	1
4-Chloroaniline	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
4-Chlorophenyl phenyl ether	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 20:53	1
4-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 20:53	1
4-Nitrophenol	ND		9.6	3.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
Acenaphthene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-1-01042023

Lab Sample ID: 590-19547-1

Date Collected: 01/04/23 10:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 20:53	1
Aniline	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 20:53	1
Anthracene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 20:53	1
Azobenzene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 20:53	1
Benzidine	ND		48	23	ug/L		01/11/23 05:31	01/12/23 20:53	1
Benzo[a]anthracene	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 20:53	1
Benzo[a]pyrene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 20:53	1
Benzo[b]fluoranthene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 20:53	1
Benzo[g,h,i]perylene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 20:53	1
Benzo[k]fluoranthene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 20:53	1
Benzoic acid	ND		48	5.2	ug/L		01/11/23 05:31	01/12/23 20:53	1
Benzyl alcohol	ND		9.6	3.0	ug/L		01/11/23 05:31	01/12/23 20:53	1
Bis(2-chloroethoxy)methane	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 20:53	1
Bis(2-chloroethyl)ether	ND		24	9.8	ug/L		01/11/23 05:31	01/12/23 20:53	1
bis (2-Chloroisopropyl) ether	ND		9.6	2.7	ug/L		01/11/23 05:31	01/12/23 20:53	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 20:53	1
Butyl benzyl phthalate	ND		9.6	3.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
Chrysene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 20:53	1
Dibenz(a,h)anthracene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 20:53	1
Dibenzofuran	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
Diethyl phthalate	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 20:53	1
Dimethyl phthalate	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
Di-n-butyl phthalate	ND		9.6	5.7	ug/L		01/11/23 05:31	01/12/23 20:53	1
Di-n-octyl phthalate	ND		9.6	5.1	ug/L		01/11/23 05:31	01/12/23 20:53	1
Fluoranthene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 20:53	1
Fluorene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 20:53	1
Hexachlorobutadiene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
Hexachlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
Hexachlorocyclopentadiene	ND		24	5.3	ug/L		01/11/23 05:31	01/12/23 20:53	1
Hexachloroethane	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
Indeno[1,2,3-cd]pyrene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 20:53	1
Isophorone	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
Naphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
Nitrobenzene	ND		24	9.4	ug/L		01/11/23 05:31	01/12/23 20:53	1
N-Nitrosodimethylamine	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 20:53	1
N-Nitrosodi-n-propylamine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 20:53	1
N-Nitrosodiphenylamine	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 20:53	1
Pentachlorophenol	ND		9.6	8.1	ug/L		01/11/23 05:31	01/12/23 20:53	1
Phenanthrene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 20:53	1
Phenol	ND		9.6	0.87	ug/L		01/11/23 05:31	01/12/23 20:53	1
Pyrene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 20:53	1
Pyridine	ND		9.6	3.2	ug/L		01/11/23 05:31	01/12/23 20:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	65		27 - 140				01/11/23 05:31	01/12/23 20:53	1
2-Fluorobiphenyl (Surr)	48		28 - 120				01/11/23 05:31	01/12/23 20:53	1
2-Fluorophenol (Surr)	31		20 - 120				01/11/23 05:31	01/12/23 20:53	1
Nitrobenzene-d5 (Surr)	51		31 - 120				01/11/23 05:31	01/12/23 20:53	1
p-Terphenyl-d14 (Surr)	81		45 - 136				01/11/23 05:31	01/12/23 20:53	1
Phenol-d6 (Surr)	21		20 - 120				01/11/23 05:31	01/12/23 20:53	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-1-01042023

Lab Sample ID: 590-19547-1

Date Collected: 01/04/23 10:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		01/10/23 09:00	01/10/23 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	0.1	0.1	SU			01/17/23 10:30	1

Client Sample ID: IDW-Drum-2-01042023

Lab Sample ID: 590-19547-2

Date Collected: 01/04/23 10:10

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 18:47	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 18:47	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 18:47	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 18:47	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 18:47	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 18:47	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 18:47	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 18:47	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 18:47	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 18:47	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 18:47	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 18:47	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 18:47	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 18:47	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 18:47	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 18:47	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 18:47	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 18:47	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 18:47	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 18:47	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 18:47	1
Dibromomethane	0.96	J	2.0	0.50	ug/L			01/11/23 18:47	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 18:47	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 18:47	1
Toluene	ND		1.0	0.31	ug/L			01/11/23 18:47	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 18:47	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 18:47	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 18:47	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 18:47	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 18:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 18:47	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 18:47	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 18:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 18:47	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 18:47	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 18:47	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 18:47	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 18:47	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-2-01042023

Lab Sample ID: 590-19547-2

Date Collected: 01/04/23 10:10

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	0.66	ug/L			01/11/23 18:47	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 18:47	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 18:47	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 18:47	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 18:47	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 18:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			01/11/23 18:47	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 18:47	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			01/11/23 18:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 18:47	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 18:47	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			01/11/23 18:47	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 18:47	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 18:47	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 18:47	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 18:47	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 18:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 18:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 18:47	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 18:47	1
Naphthalene	ND		2.0	0.63	ug/L			01/11/23 18:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		01/11/23 18:47	1
4-Bromofluorobenzene (Surr)	100		80 - 120		01/11/23 18:47	1
Dibromofluoromethane (Surr)	106		80 - 120		01/11/23 18:47	1
1,2-Dichloroethane-d4 (Surr)	111		80 - 120		01/11/23 18:47	1

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
1,2-Dichlorobenzene	ND		9.5	1.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
1,3-Dichlorobenzene	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
1,4-Dichlorobenzene	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
1-Methylnaphthalene	ND		9.5	1.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
2,4,5-Trichlorophenol	ND		9.5	1.7	ug/L		01/11/23 05:31	01/12/23 21:12	1
2,4,6-Trichlorophenol	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
2,4-Dichlorophenol	ND		9.5	1.7	ug/L		01/11/23 05:31	01/12/23 21:12	1
2,4-Dimethylphenol	ND		9.5	1.3	ug/L		01/11/23 05:31	01/12/23 21:12	1
2,4-Dinitrophenol	ND		48	20	ug/L		01/11/23 05:31	01/12/23 21:12	1
2,4-Dinitrotoluene	ND		9.5	1.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
2,6-Dichlorophenol	ND		9.5	1.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
2,6-Dinitrotoluene	ND		9.5	1.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
2-Chloronaphthalene	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
2-Chlorophenol	ND		9.5	1.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
2-Methylnaphthalene	ND		9.5	1.4	ug/L		01/11/23 05:31	01/12/23 21:12	1
2-Methylphenol	ND		9.5	2.2	ug/L		01/11/23 05:31	01/12/23 21:12	1
2-Nitroaniline	ND		9.5	1.4	ug/L		01/11/23 05:31	01/12/23 21:12	1
2-Nitrophenol	ND		9.5	1.8	ug/L		01/11/23 05:31	01/12/23 21:12	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-2-01042023

Lab Sample ID: 590-19547-2

Date Collected: 01/04/23 10:10

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		9.5	1.9	ug/L		01/11/23 05:31	01/12/23 21:12	1
3 & 4 Methylphenol	ND		9.5	2.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
3-Nitroaniline	ND		9.5	2.0	ug/L		01/11/23 05:31	01/12/23 21:12	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		01/11/23 05:31	01/12/23 21:12	1
4-Bromophenyl phenyl ether	ND		9.5	1.8	ug/L		01/11/23 05:31	01/12/23 21:12	1
4-Chloro-3-methylphenol	ND		9.5	1.7	ug/L		01/11/23 05:31	01/12/23 21:12	1
4-Chloroaniline	ND		9.5	1.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
4-Chlorophenyl phenyl ether	ND		9.5	2.0	ug/L		01/11/23 05:31	01/12/23 21:12	1
4-Nitroaniline	ND		9.5	2.0	ug/L		01/11/23 05:31	01/12/23 21:12	1
4-Nitrophenol	ND		9.5	3.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
Acenaphthene	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
Acenaphthylene	ND		9.5	1.7	ug/L		01/11/23 05:31	01/12/23 21:12	1
Aniline	ND		9.5	2.2	ug/L		01/11/23 05:31	01/12/23 21:12	1
Anthracene	ND		9.5	1.7	ug/L		01/11/23 05:31	01/12/23 21:12	1
Azobenzene	ND		9.5	1.4	ug/L		01/11/23 05:31	01/12/23 21:12	1
Benzidine	ND		48	23	ug/L		01/11/23 05:31	01/12/23 21:12	1
Benzo[a]anthracene	ND		9.5	2.2	ug/L		01/11/23 05:31	01/12/23 21:12	1
Benzo[a]pyrene	ND		9.5	2.0	ug/L		01/11/23 05:31	01/12/23 21:12	1
Benzo[b]fluoranthene	ND		9.5	1.9	ug/L		01/11/23 05:31	01/12/23 21:12	1
Benzo[g,h,i]perylene	ND		9.5	1.9	ug/L		01/11/23 05:31	01/12/23 21:12	1
Benzo[k]fluoranthene	ND		9.5	2.1	ug/L		01/11/23 05:31	01/12/23 21:12	1
Benzoic acid	ND		48	5.2	ug/L		01/11/23 05:31	01/12/23 21:12	1
Benzyl alcohol	ND		9.5	3.0	ug/L		01/11/23 05:31	01/12/23 21:12	1
Bis(2-chloroethoxy)methane	ND		9.5	1.7	ug/L		01/11/23 05:31	01/12/23 21:12	1
Bis(2-chloroethyl)ether	ND		24	9.8	ug/L		01/11/23 05:31	01/12/23 21:12	1
bis (2-Chloroisopropyl) ether	ND		9.5	2.7	ug/L		01/11/23 05:31	01/12/23 21:12	1
Bis(2-ethylhexyl) phthalate	ND		9.5	2.0	ug/L		01/11/23 05:31	01/12/23 21:12	1
Butyl benzyl phthalate	ND		9.5	3.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
Chrysene	ND		9.5	1.7	ug/L		01/11/23 05:31	01/12/23 21:12	1
Dibenz(a,h)anthracene	ND		9.5	1.9	ug/L		01/11/23 05:31	01/12/23 21:12	1
Dibenzofuran	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
Diethyl phthalate	ND		9.5	1.8	ug/L		01/11/23 05:31	01/12/23 21:12	1
Dimethyl phthalate	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
Di-n-butyl phthalate	ND		9.5	5.7	ug/L		01/11/23 05:31	01/12/23 21:12	1
Di-n-octyl phthalate	ND		9.5	5.0	ug/L		01/11/23 05:31	01/12/23 21:12	1
Fluoranthene	ND		9.5	2.0	ug/L		01/11/23 05:31	01/12/23 21:12	1
Fluorene	ND		9.5	1.8	ug/L		01/11/23 05:31	01/12/23 21:12	1
Hexachlorobutadiene	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
Hexachlorobenzene	ND		9.5	1.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
Hexachlorocyclopentadiene	ND		24	5.3	ug/L		01/11/23 05:31	01/12/23 21:12	1
Hexachloroethane	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
Indeno[1,2,3-cd]pyrene	ND		9.5	1.6	ug/L		01/11/23 05:31	01/12/23 21:12	1
Isophorone	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
Naphthalene	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
Nitrobenzene	ND		24	9.4	ug/L		01/11/23 05:31	01/12/23 21:12	1
N-Nitrosodimethylamine	ND		9.5	1.5	ug/L		01/11/23 05:31	01/12/23 21:12	1
N-Nitrosodi-n-propylamine	ND		9.5	1.9	ug/L		01/11/23 05:31	01/12/23 21:12	1
N-Nitrosodiphenylamine	ND		9.5	1.8	ug/L		01/11/23 05:31	01/12/23 21:12	1
Pentachlorophenol	ND		9.5	8.0	ug/L		01/11/23 05:31	01/12/23 21:12	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-2-01042023

Lab Sample ID: 590-19547-2

Date Collected: 01/04/23 10:10

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		9.5	1.8	ug/L		01/11/23 05:31	01/12/23 21:12	1
Phenol	ND		9.5	0.87	ug/L		01/11/23 05:31	01/12/23 21:12	1
Pyrene	ND		9.5	2.1	ug/L		01/11/23 05:31	01/12/23 21:12	1
Pyridine	ND		9.5	3.2	ug/L		01/11/23 05:31	01/12/23 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	46		27 - 140	01/11/23 05:31	01/12/23 21:12	1
2-Fluorobiphenyl (Surr)	31		28 - 120	01/11/23 05:31	01/12/23 21:12	1
2-Fluorophenol (Surr)	19	S1-	20 - 120	01/11/23 05:31	01/12/23 21:12	1
Nitrobenzene-d5 (Surr)	31		31 - 120	01/11/23 05:31	01/12/23 21:12	1
p-Terphenyl-d14 (Surr)	80		45 - 136	01/11/23 05:31	01/12/23 21:12	1
Phenol-d6 (Surr)	13	S1-	20 - 120	01/11/23 05:31	01/12/23 21:12	1

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		01/10/23 09:00	01/10/23 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.7	HF	0.1	0.1	SU			01/17/23 10:30	1

Client Sample ID: IDW-Drum-3-01042023

Lab Sample ID: 590-19547-3

Date Collected: 01/04/23 10:20

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 19:08	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 19:08	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 19:08	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 19:08	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 19:08	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 19:08	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 19:08	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 19:08	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 19:08	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 19:08	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 19:08	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 19:08	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 19:08	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 19:08	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 19:08	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 19:08	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 19:08	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 19:08	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 19:08	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 19:08	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 19:08	1
Dibromomethane	ND		2.0	0.50	ug/L			01/11/23 19:08	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 19:08	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 19:08	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-3-01042023

Lab Sample ID: 590-19547-3

Date Collected: 01/04/23 10:20

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.31	ug/L			01/11/23 19:08	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 19:08	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 19:08	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 19:08	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 19:08	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 19:08	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 19:08	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 19:08	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 19:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 19:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 19:08	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 19:08	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 19:08	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 19:08	1
Bromoform	ND		5.0	0.66	ug/L			01/11/23 19:08	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 19:08	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 19:08	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 19:08	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 19:08	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 19:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			01/11/23 19:08	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 19:08	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			01/11/23 19:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 19:08	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 19:08	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			01/11/23 19:08	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 19:08	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 19:08	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 19:08	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 19:08	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 19:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 19:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 19:08	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 19:08	1
Naphthalene	ND		2.0	0.63	ug/L			01/11/23 19:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		01/11/23 19:08	1
4-Bromofluorobenzene (Surr)	108		80 - 120		01/11/23 19:08	1
Dibromofluoromethane (Surr)	117		80 - 120		01/11/23 19:08	1
1,2-Dichloroethane-d4 (Surr)	122	S1+	80 - 120		01/11/23 19:08	1

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
1,2-Dichlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
1,3-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
1,4-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
1-Methylnaphthalene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:31	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-3-01042023

Lab Sample ID: 590-19547-3

Date Collected: 01/04/23 10:20

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:31	1
2,4,6-Trichlorophenol	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
2,4-Dichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:31	1
2,4-Dimethylphenol	ND		9.6	1.3	ug/L		01/11/23 05:31	01/12/23 21:31	1
2,4-Dinitrophenol	ND		48	20	ug/L		01/11/23 05:31	01/12/23 21:31	1
2,4-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
2,6-Dichlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
2,6-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
2-Chloronaphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
2-Chlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
2-Methylnaphthalene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 21:31	1
2-Methylphenol	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 21:31	1
2-Nitroaniline	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 21:31	1
2-Nitrophenol	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:31	1
3,3'-Dichlorobenzidine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:31	1
3 & 4 Methylphenol	ND		9.6	2.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
3-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:31	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		01/11/23 05:31	01/12/23 21:31	1
4-Bromophenyl phenyl ether	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:31	1
4-Chloro-3-methylphenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:31	1
4-Chloroaniline	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
4-Chlorophenyl phenyl ether	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:31	1
4-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:31	1
4-Nitrophenol	ND		9.6	3.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
Acenaphthene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
Acenaphthylene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:31	1
Aniline	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 21:31	1
Anthracene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:31	1
Azobenzene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 21:31	1
Benzidine	ND		48	23	ug/L		01/11/23 05:31	01/12/23 21:31	1
Benzo[a]anthracene	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 21:31	1
Benzo[a]pyrene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:31	1
Benzo[b]fluoranthene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:31	1
Benzo[g,h,i]perylene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:31	1
Benzo[k]fluoranthene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 21:31	1
Benzoic acid	ND		48	5.2	ug/L		01/11/23 05:31	01/12/23 21:31	1
Benzyl alcohol	ND		9.6	3.0	ug/L		01/11/23 05:31	01/12/23 21:31	1
Bis(2-chloroethoxy)methane	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:31	1
Bis(2-chloroethyl)ether	ND		24	9.8	ug/L		01/11/23 05:31	01/12/23 21:31	1
bis (2-Chloroisopropyl) ether	ND		9.6	2.7	ug/L		01/11/23 05:31	01/12/23 21:31	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:31	1
Butyl benzyl phthalate	ND		9.6	3.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
Chrysene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:31	1
Dibenz(a,h)anthracene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:31	1
Dibenzofuran	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
Diethyl phthalate	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:31	1
Dimethyl phthalate	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
Di-n-butyl phthalate	ND		9.6	5.7	ug/L		01/11/23 05:31	01/12/23 21:31	1
Di-n-octyl phthalate	ND		9.6	5.1	ug/L		01/11/23 05:31	01/12/23 21:31	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-3-01042023

Lab Sample ID: 590-19547-3

Date Collected: 01/04/23 10:20

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:31	1
Fluorene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:31	1
Hexachlorobutadiene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
Hexachlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
Hexachlorocyclopentadiene	ND		24	5.3	ug/L		01/11/23 05:31	01/12/23 21:31	1
Hexachloroethane	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
Indeno[1,2,3-cd]pyrene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:31	1
Isophorone	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
Naphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
Nitrobenzene	ND		24	9.4	ug/L		01/11/23 05:31	01/12/23 21:31	1
N-Nitrosodimethylamine	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:31	1
N-Nitrosodi-n-propylamine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:31	1
N-Nitrosodiphenylamine	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:31	1
Pentachlorophenol	ND		9.6	8.1	ug/L		01/11/23 05:31	01/12/23 21:31	1
Phenanthrene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:31	1
Phenol	ND		9.6	0.87	ug/L		01/11/23 05:31	01/12/23 21:31	1
Pyrene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 21:31	1
Pyridine	ND		9.6	3.2	ug/L		01/11/23 05:31	01/12/23 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		27 - 140	01/11/23 05:31	01/12/23 21:31	1
2-Fluorobiphenyl (Surr)	43		28 - 120	01/11/23 05:31	01/12/23 21:31	1
2-Fluorophenol (Surr)	24		20 - 120	01/11/23 05:31	01/12/23 21:31	1
Nitrobenzene-d5 (Surr)	41		31 - 120	01/11/23 05:31	01/12/23 21:31	1
p-Terphenyl-d14 (Surr)	83		45 - 136	01/11/23 05:31	01/12/23 21:31	1
Phenol-d6 (Surr)	18	S1-	20 - 120	01/11/23 05:31	01/12/23 21:31	1

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		01/10/23 09:00	01/10/23 12:03	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	8.0	HF	0.1	0.1	SU			01/17/23 10:30	1

Client Sample ID: IDW-Drum-4-01042023

Lab Sample ID: 590-19547-4

Date Collected: 01/04/23 10:40

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 19:30	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 19:30	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 19:30	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 19:30	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 19:30	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 19:30	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 19:30	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 19:30	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 19:30	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 19:30	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-4-01042023

Lab Sample ID: 590-19547-4

Date Collected: 01/04/23 10:40

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 19:30	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 19:30	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 19:30	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 19:30	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 19:30	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 19:30	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 19:30	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 19:30	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 19:30	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 19:30	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 19:30	1
Dibromomethane	ND		2.0	0.50	ug/L			01/11/23 19:30	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 19:30	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 19:30	1
Toluene	ND		1.0	0.31	ug/L			01/11/23 19:30	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 19:30	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 19:30	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 19:30	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 19:30	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 19:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 19:30	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 19:30	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 19:30	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 19:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 19:30	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 19:30	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 19:30	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 19:30	1
Bromoform	ND		5.0	0.66	ug/L			01/11/23 19:30	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 19:30	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 19:30	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 19:30	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 19:30	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 19:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			01/11/23 19:30	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 19:30	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			01/11/23 19:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 19:30	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 19:30	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			01/11/23 19:30	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 19:30	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 19:30	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 19:30	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 19:30	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 19:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 19:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 19:30	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 19:30	1
Naphthalene	ND		2.0	0.63	ug/L			01/11/23 19:30	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-4-01042023

Lab Sample ID: 590-19547-4

Date Collected: 01/04/23 10:40

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					01/11/23 19:30	1
4-Bromofluorobenzene (Surr)	103		80 - 120					01/11/23 19:30	1
Dibromofluoromethane (Surr)	107		80 - 120					01/11/23 19:30	1
1,2-Dichloroethane-d4 (Surr)	113		80 - 120					01/11/23 19:30	1

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
1,2-Dichlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
1,3-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
1,4-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
1-Methylnaphthalene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
2,4,5-Trichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:50	1
2,4,6-Trichlorophenol	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
2,4-Dichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:50	1
2,4-Dimethylphenol	ND		9.6	1.3	ug/L		01/11/23 05:31	01/12/23 21:50	1
2,4-Dinitrophenol	ND		48	20	ug/L		01/11/23 05:31	01/12/23 21:50	1
2,4-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
2,6-Dichlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
2,6-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
2-Chloronaphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
2-Chlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
2-Methylnaphthalene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 21:50	1
2-Methylphenol	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 21:50	1
2-Nitroaniline	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 21:50	1
2-Nitrophenol	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:50	1
3,3'-Dichlorobenzidine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:50	1
3 & 4 Methylphenol	ND		9.6	2.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
3-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:50	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		01/11/23 05:31	01/12/23 21:50	1
4-Bromophenyl phenyl ether	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:50	1
4-Chloro-3-methylphenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:50	1
4-Chloroaniline	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
4-Chlorophenyl phenyl ether	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:50	1
4-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:50	1
4-Nitrophenol	ND		9.6	3.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
Acenaphthene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
Acenaphthylene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:50	1
Aniline	ND		9.6	2.3	ug/L		01/11/23 05:31	01/12/23 21:50	1
Anthracene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:50	1
Azobenzene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 21:50	1
Benzidine	ND		48	24	ug/L		01/11/23 05:31	01/12/23 21:50	1
Benzo[a]anthracene	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 21:50	1
Benzo[a]pyrene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:50	1
Benzo[b]fluoranthene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:50	1
Benzo[g,h,i]perylene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:50	1
Benzo[k]fluoranthene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 21:50	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-4-01042023

Lab Sample ID: 590-19547-4

Date Collected: 01/04/23 10:40

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzoic acid	ND		48	5.2	ug/L		01/11/23 05:31	01/12/23 21:50	1
Benzyl alcohol	ND		9.6	3.0	ug/L		01/11/23 05:31	01/12/23 21:50	1
Bis(2-chloroethoxy)methane	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:50	1
Bis(2-chloroethyl)ether	ND		24	9.8	ug/L		01/11/23 05:31	01/12/23 21:50	1
bis (2-Chloroisopropyl) ether	ND		9.6	2.7	ug/L		01/11/23 05:31	01/12/23 21:50	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:50	1
Butyl benzyl phthalate	ND		9.6	3.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
Chrysene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 21:50	1
Dibenz(a,h)anthracene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:50	1
Dibenzofuran	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
Diethyl phthalate	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:50	1
Dimethyl phthalate	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
Di-n-butyl phthalate	ND		9.6	5.7	ug/L		01/11/23 05:31	01/12/23 21:50	1
Di-n-octyl phthalate	ND		9.6	5.1	ug/L		01/11/23 05:31	01/12/23 21:50	1
Fluoranthene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 21:50	1
Fluorene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:50	1
Hexachlorobutadiene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
Hexachlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
Hexachlorocyclopentadiene	ND		24	5.3	ug/L		01/11/23 05:31	01/12/23 21:50	1
Hexachloroethane	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
Indeno[1,2,3-cd]pyrene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 21:50	1
Isophorone	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
Naphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
Nitrobenzene	ND		24	9.4	ug/L		01/11/23 05:31	01/12/23 21:50	1
N-Nitrosodimethylamine	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 21:50	1
N-Nitrosodi-n-propylamine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 21:50	1
N-Nitrosodiphenylamine	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:50	1
Pentachlorophenol	ND		9.6	8.1	ug/L		01/11/23 05:31	01/12/23 21:50	1
Phenanthrene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 21:50	1
Phenol	ND		9.6	0.87	ug/L		01/11/23 05:31	01/12/23 21:50	1
Pyrene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 21:50	1
Pyridine	ND		9.6	3.2	ug/L		01/11/23 05:31	01/12/23 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		27 - 140	01/11/23 05:31	01/12/23 21:50	1
2-Fluorobiphenyl (Surr)	68		28 - 120	01/11/23 05:31	01/12/23 21:50	1
2-Fluorophenol (Surr)	37		20 - 120	01/11/23 05:31	01/12/23 21:50	1
Nitrobenzene-d5 (Surr)	66		31 - 120	01/11/23 05:31	01/12/23 21:50	1
p-Terphenyl-d14 (Surr)	91		45 - 136	01/11/23 05:31	01/12/23 21:50	1
Phenol-d6 (Surr)	26		20 - 120	01/11/23 05:31	01/12/23 21:50	1

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		01/10/23 09:00	01/10/23 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	0.1	0.1	SU			01/17/23 10:30	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-5-01042023

Lab Sample ID: 590-19547-5

Date Collected: 01/04/23 10:50

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 19:51	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 19:51	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 19:51	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 19:51	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 19:51	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 19:51	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 19:51	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 19:51	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 19:51	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 19:51	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 19:51	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 19:51	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 19:51	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 19:51	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 19:51	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 19:51	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 19:51	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 19:51	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 19:51	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 19:51	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 19:51	1
Dibromomethane	ND		2.0	0.50	ug/L			01/11/23 19:51	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 19:51	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 19:51	1
Toluene	ND		1.0	0.31	ug/L			01/11/23 19:51	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 19:51	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 19:51	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 19:51	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 19:51	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 19:51	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 19:51	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 19:51	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 19:51	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 19:51	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 19:51	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 19:51	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 19:51	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 19:51	1
Bromoform	ND		5.0	0.66	ug/L			01/11/23 19:51	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 19:51	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 19:51	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 19:51	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 19:51	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 19:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			01/11/23 19:51	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 19:51	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			01/11/23 19:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 19:51	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 19:51	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-5-01042023

Lab Sample ID: 590-19547-5

Date Collected: 01/04/23 10:50

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 19:51	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 19:51	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 19:51	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 19:51	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 19:51	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 19:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 19:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 19:51	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 19:51	1
Naphthalene	ND		2.0	0.63	ug/L			01/11/23 19:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					01/11/23 19:51	1
4-Bromofluorobenzene (Surr)	108		80 - 120					01/11/23 19:51	1
Dibromofluoromethane (Surr)	107		80 - 120					01/11/23 19:51	1
1,2-Dichloroethane-d4 (Surr)	113		80 - 120					01/11/23 19:51	1

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
1,2-Dichlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
1,3-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
1,4-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
1-Methylnaphthalene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
2,4,5-Trichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:09	1
2,4,6-Trichlorophenol	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
2,4-Dichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:09	1
2,4-Dimethylphenol	ND		9.6	1.3	ug/L		01/11/23 05:31	01/12/23 22:09	1
2,4-Dinitrophenol	ND		48	20	ug/L		01/11/23 05:31	01/12/23 22:09	1
2,4-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
2,6-Dichlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
2,6-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
2-Chloronaphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
2-Chlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
2-Methylnaphthalene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 22:09	1
2-Methylphenol	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 22:09	1
2-Nitroaniline	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 22:09	1
2-Nitrophenol	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:09	1
3,3'-Dichlorobenzidine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:09	1
3 & 4 Methylphenol	ND		9.6	2.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
3-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:09	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		01/11/23 05:31	01/12/23 22:09	1
4-Bromophenyl phenyl ether	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:09	1
4-Chloro-3-methylphenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:09	1
4-Chloroaniline	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
4-Chlorophenyl phenyl ether	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:09	1
4-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:09	1
4-Nitrophenol	ND		9.6	3.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
Acenaphthene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-5-01042023

Lab Sample ID: 590-19547-5

Date Collected: 01/04/23 10:50

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:09	1
Aniline	ND		9.6	2.3	ug/L		01/11/23 05:31	01/12/23 22:09	1
Anthracene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:09	1
Azobenzene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 22:09	1
Benzidine	ND		48	24	ug/L		01/11/23 05:31	01/12/23 22:09	1
Benzo[a]anthracene	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 22:09	1
Benzo[a]pyrene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:09	1
Benzo[b]fluoranthene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:09	1
Benzo[g,h,i]perylene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:09	1
Benzo[k]fluoranthene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 22:09	1
Benzoic acid	ND		48	5.3	ug/L		01/11/23 05:31	01/12/23 22:09	1
Benzyl alcohol	ND		9.6	3.0	ug/L		01/11/23 05:31	01/12/23 22:09	1
Bis(2-chloroethoxy)methane	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:09	1
Bis(2-chloroethyl)ether	ND		24	9.9	ug/L		01/11/23 05:31	01/12/23 22:09	1
bis (2-Chloroisopropyl) ether	ND		9.6	2.7	ug/L		01/11/23 05:31	01/12/23 22:09	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:09	1
Butyl benzyl phthalate	ND		9.6	3.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
Chrysene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:09	1
Dibenz(a,h)anthracene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:09	1
Dibenzofuran	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
Diethyl phthalate	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:09	1
Dimethyl phthalate	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
Di-n-butyl phthalate	ND		9.6	5.7	ug/L		01/11/23 05:31	01/12/23 22:09	1
Di-n-octyl phthalate	ND		9.6	5.1	ug/L		01/11/23 05:31	01/12/23 22:09	1
Fluoranthene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:09	1
Fluorene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:09	1
Hexachlorobutadiene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
Hexachlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
Hexachlorocyclopentadiene	ND		24	5.3	ug/L		01/11/23 05:31	01/12/23 22:09	1
Hexachloroethane	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
Indeno[1,2,3-cd]pyrene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:09	1
Isophorone	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
Naphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
Nitrobenzene	ND		24	9.4	ug/L		01/11/23 05:31	01/12/23 22:09	1
N-Nitrosodimethylamine	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:09	1
N-Nitrosodi-n-propylamine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:09	1
N-Nitrosodiphenylamine	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:09	1
Pentachlorophenol	ND		9.6	8.1	ug/L		01/11/23 05:31	01/12/23 22:09	1
Phenanthrene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:09	1
Phenol	ND		9.6	0.87	ug/L		01/11/23 05:31	01/12/23 22:09	1
Pyrene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 22:09	1
Pyridine	ND		9.6	3.2	ug/L		01/11/23 05:31	01/12/23 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		27 - 140	01/11/23 05:31	01/12/23 22:09	1
2-Fluorobiphenyl (Surr)	58		28 - 120	01/11/23 05:31	01/12/23 22:09	1
2-Fluorophenol (Surr)	30		20 - 120	01/11/23 05:31	01/12/23 22:09	1
Nitrobenzene-d5 (Surr)	53		31 - 120	01/11/23 05:31	01/12/23 22:09	1
p-Terphenyl-d14 (Surr)	86		45 - 136	01/11/23 05:31	01/12/23 22:09	1
Phenol-d6 (Surr)	22		20 - 120	01/11/23 05:31	01/12/23 22:09	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-5-01042023

Lab Sample ID: 590-19547-5

Date Collected: 01/04/23 10:50

Matrix: Water

Date Received: 01/04/23 14:13

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		01/10/23 09:00	01/10/23 12:36	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.8	HF	0.1	0.1	SU			01/17/23 10:30	1

Client Sample ID: IDW-Drum-6-01042023

Lab Sample ID: 590-19547-6

Date Collected: 01/04/23 11:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 20:12	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 20:12	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 20:12	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 20:12	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 20:12	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 20:12	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 20:12	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 20:12	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 20:12	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 20:12	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 20:12	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 20:12	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 20:12	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 20:12	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 20:12	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 20:12	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 20:12	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 20:12	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 20:12	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 20:12	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 20:12	1
Dibromomethane	ND		2.0	0.50	ug/L			01/11/23 20:12	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 20:12	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 20:12	1
Toluene	ND		1.0	0.31	ug/L			01/11/23 20:12	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 20:12	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 20:12	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 20:12	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 20:12	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 20:12	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 20:12	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 20:12	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 20:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 20:12	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 20:12	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 20:12	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 20:12	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 20:12	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-6-01042023

Lab Sample ID: 590-19547-6

Date Collected: 01/04/23 11:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	0.66	ug/L			01/11/23 20:12	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 20:12	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 20:12	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 20:12	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 20:12	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 20:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			01/11/23 20:12	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 20:12	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			01/11/23 20:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 20:12	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 20:12	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			01/11/23 20:12	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 20:12	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 20:12	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 20:12	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 20:12	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 20:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 20:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 20:12	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 20:12	1
Naphthalene	ND		2.0	0.63	ug/L			01/11/23 20:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		01/11/23 20:12	1
4-Bromofluorobenzene (Surr)	107		80 - 120		01/11/23 20:12	1
Dibromofluoromethane (Surr)	106		80 - 120		01/11/23 20:12	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		01/11/23 20:12	1

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
1,2-Dichlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
1,3-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
1,4-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
1-Methylnaphthalene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
2,4,5-Trichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:29	1
2,4,6-Trichlorophenol	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
2,4-Dichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:29	1
2,4-Dimethylphenol	ND		9.6	1.3	ug/L		01/11/23 05:31	01/12/23 22:29	1
2,4-Dinitrophenol	ND		48	20	ug/L		01/11/23 05:31	01/12/23 22:29	1
2,4-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
2,6-Dichlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
2,6-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
2-Chloronaphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
2-Chlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
2-Methylnaphthalene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 22:29	1
2-Methylphenol	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 22:29	1
2-Nitroaniline	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 22:29	1
2-Nitrophenol	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:29	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-6-01042023

Lab Sample ID: 590-19547-6

Date Collected: 01/04/23 11:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:29	1
3 & 4 Methylphenol	ND		9.6	2.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
3-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:29	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		01/11/23 05:31	01/12/23 22:29	1
4-Bromophenyl phenyl ether	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:29	1
4-Chloro-3-methylphenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:29	1
4-Chloroaniline	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
4-Chlorophenyl phenyl ether	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:29	1
4-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:29	1
4-Nitrophenol	ND		9.6	3.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
Acenaphthene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
Acenaphthylene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:29	1
Aniline	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 22:29	1
Anthracene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:29	1
Azobenzene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 22:29	1
Benzidine	ND		48	23	ug/L		01/11/23 05:31	01/12/23 22:29	1
Benzo[a]anthracene	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 22:29	1
Benzo[a]pyrene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:29	1
Benzo[b]fluoranthene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:29	1
Benzo[g,h,i]perylene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:29	1
Benzo[k]fluoranthene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 22:29	1
Benzoic acid	ND		48	5.2	ug/L		01/11/23 05:31	01/12/23 22:29	1
Benzyl alcohol	ND		9.6	3.0	ug/L		01/11/23 05:31	01/12/23 22:29	1
Bis(2-chloroethoxy)methane	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:29	1
Bis(2-chloroethyl)ether	ND		24	9.8	ug/L		01/11/23 05:31	01/12/23 22:29	1
bis (2-Chloroisopropyl) ether	ND		9.6	2.7	ug/L		01/11/23 05:31	01/12/23 22:29	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:29	1
Butyl benzyl phthalate	ND		9.6	3.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
Chrysene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:29	1
Dibenz(a,h)anthracene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:29	1
Dibenzofuran	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
Diethyl phthalate	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:29	1
Dimethyl phthalate	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
Di-n-butyl phthalate	ND		9.6	5.7	ug/L		01/11/23 05:31	01/12/23 22:29	1
Di-n-octyl phthalate	ND		9.6	5.1	ug/L		01/11/23 05:31	01/12/23 22:29	1
Fluoranthene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:29	1
Fluorene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:29	1
Hexachlorobutadiene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
Hexachlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
Hexachlorocyclopentadiene	ND		24	5.3	ug/L		01/11/23 05:31	01/12/23 22:29	1
Hexachloroethane	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
Indeno[1,2,3-cd]pyrene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:29	1
Isophorone	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
Naphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
Nitrobenzene	ND		24	9.4	ug/L		01/11/23 05:31	01/12/23 22:29	1
N-Nitrosodimethylamine	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:29	1
N-Nitrosodi-n-propylamine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:29	1
N-Nitrosodiphenylamine	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:29	1
Pentachlorophenol	ND		9.6	8.1	ug/L		01/11/23 05:31	01/12/23 22:29	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-6-01042023

Lab Sample ID: 590-19547-6

Date Collected: 01/04/23 11:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:29	1
Phenol	ND		9.6	0.87	ug/L		01/11/23 05:31	01/12/23 22:29	1
Pyrene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 22:29	1
Pyridine	ND		9.6	3.2	ug/L		01/11/23 05:31	01/12/23 22:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		27 - 140	01/11/23 05:31	01/12/23 22:29	1
2-Fluorobiphenyl (Surr)	67		28 - 120	01/11/23 05:31	01/12/23 22:29	1
2-Fluorophenol (Surr)	40		20 - 120	01/11/23 05:31	01/12/23 22:29	1
Nitrobenzene-d5 (Surr)	68		31 - 120	01/11/23 05:31	01/12/23 22:29	1
p-Terphenyl-d14 (Surr)	92		45 - 136	01/11/23 05:31	01/12/23 22:29	1
Phenol-d6 (Surr)	28		20 - 120	01/11/23 05:31	01/12/23 22:29	1

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		01/10/23 09:00	01/10/23 12:51	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.9	HF	0.1	0.1	SU			01/17/23 10:30	1

Client Sample ID: TOTE-Water-1-01042023

Lab Sample ID: 590-19547-7

Date Collected: 01/04/23 11:30

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 20:55	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 20:55	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 20:55	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 20:55	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 20:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 20:55	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 20:55	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 20:55	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 20:55	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 20:55	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 20:55	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 20:55	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 20:55	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 20:55	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 20:55	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 20:55	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 20:55	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 20:55	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 20:55	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 20:55	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 20:55	1
Dibromomethane	ND		2.0	0.50	ug/L			01/11/23 20:55	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 20:55	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 20:55	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: TOTE-Water-1-01042023

Lab Sample ID: 590-19547-7

Date Collected: 01/04/23 11:30

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.74	J	1.0	0.31	ug/L			01/11/23 20:55	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 20:55	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 20:55	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 20:55	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 20:55	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 20:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 20:55	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 20:55	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 20:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 20:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 20:55	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 20:55	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 20:55	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 20:55	1
Bromoform	ND		5.0	0.66	ug/L			01/11/23 20:55	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 20:55	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 20:55	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 20:55	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 20:55	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 20:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			01/11/23 20:55	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 20:55	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			01/11/23 20:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 20:55	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 20:55	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			01/11/23 20:55	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 20:55	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 20:55	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 20:55	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 20:55	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 20:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 20:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 20:55	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 20:55	1
Naphthalene	ND		2.0	0.63	ug/L			01/11/23 20:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		01/11/23 20:55	1
4-Bromofluorobenzene (Surr)	105		80 - 120		01/11/23 20:55	1
Dibromofluoromethane (Surr)	105		80 - 120		01/11/23 20:55	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		01/11/23 20:55	1

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
1,2-Dichlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
1,3-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
1,4-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
1-Methylnaphthalene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:48	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: TOTE-Water-1-01042023

Lab Sample ID: 590-19547-7

Date Collected: 01/04/23 11:30

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:48	1
2,4,6-Trichlorophenol	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
2,4-Dichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:48	1
2,4-Dimethylphenol	ND		9.6	1.3	ug/L		01/11/23 05:31	01/12/23 22:48	1
2,4-Dinitrophenol	ND		48	20	ug/L		01/11/23 05:31	01/12/23 22:48	1
2,4-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
2,6-Dichlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
2,6-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
2-Chloronaphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
2-Chlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
2-Methylnaphthalene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 22:48	1
2-Methylphenol	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 22:48	1
2-Nitroaniline	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 22:48	1
2-Nitrophenol	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:48	1
3,3'-Dichlorobenzidine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:48	1
3 & 4 Methylphenol	ND		9.6	2.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
3-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:48	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		01/11/23 05:31	01/12/23 22:48	1
4-Bromophenyl phenyl ether	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:48	1
4-Chloro-3-methylphenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:48	1
4-Chloroaniline	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
4-Chlorophenyl phenyl ether	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:48	1
4-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:48	1
4-Nitrophenol	ND		9.6	3.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
Acenaphthene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
Acenaphthylene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:48	1
Aniline	ND		9.6	2.3	ug/L		01/11/23 05:31	01/12/23 22:48	1
Anthracene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:48	1
Azobenzene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 22:48	1
Benzidine	ND		48	24	ug/L		01/11/23 05:31	01/12/23 22:48	1
Benzo[a]anthracene	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 22:48	1
Benzo[a]pyrene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:48	1
Benzo[b]fluoranthene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:48	1
Benzo[g,h,i]perylene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:48	1
Benzo[k]fluoranthene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 22:48	1
Benzoic acid	ND		48	5.2	ug/L		01/11/23 05:31	01/12/23 22:48	1
Benzyl alcohol	ND		9.6	3.0	ug/L		01/11/23 05:31	01/12/23 22:48	1
Bis(2-chloroethoxy)methane	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:48	1
Bis(2-chloroethyl)ether	ND		24	9.8	ug/L		01/11/23 05:31	01/12/23 22:48	1
bis (2-Chloroisopropyl) ether	ND		9.6	2.7	ug/L		01/11/23 05:31	01/12/23 22:48	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:48	1
Butyl benzyl phthalate	ND		9.6	3.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
Chrysene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 22:48	1
Dibenz(a,h)anthracene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:48	1
Dibenzofuran	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
Diethyl phthalate	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:48	1
Dimethyl phthalate	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
Di-n-butyl phthalate	ND		9.6	5.7	ug/L		01/11/23 05:31	01/12/23 22:48	1
Di-n-octyl phthalate	6.9	J	9.6	5.1	ug/L		01/11/23 05:31	01/12/23 22:48	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: TOTE-Water-1-01042023

Lab Sample ID: 590-19547-7

Date Collected: 01/04/23 11:30

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 22:48	1
Fluorene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:48	1
Hexachlorobutadiene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
Hexachlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
Hexachlorocyclopentadiene	ND		24	5.3	ug/L		01/11/23 05:31	01/12/23 22:48	1
Hexachloroethane	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
Indeno[1,2,3-cd]pyrene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 22:48	1
Isophorone	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
Naphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
Nitrobenzene	ND		24	9.4	ug/L		01/11/23 05:31	01/12/23 22:48	1
N-Nitrosodimethylamine	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 22:48	1
N-Nitrosodi-n-propylamine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 22:48	1
N-Nitrosodiphenylamine	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:48	1
Pentachlorophenol	ND		9.6	8.1	ug/L		01/11/23 05:31	01/12/23 22:48	1
Phenanthrene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 22:48	1
Phenol	ND		9.6	0.87	ug/L		01/11/23 05:31	01/12/23 22:48	1
Pyrene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 22:48	1
Pyridine	ND		9.6	3.2	ug/L		01/11/23 05:31	01/12/23 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		27 - 140	01/11/23 05:31	01/12/23 22:48	1
2-Fluorobiphenyl (Surr)	53		28 - 120	01/11/23 05:31	01/12/23 22:48	1
2-Fluorophenol (Surr)	22		20 - 120	01/11/23 05:31	01/12/23 22:48	1
Nitrobenzene-d5 (Surr)	42		31 - 120	01/11/23 05:31	01/12/23 22:48	1
p-Terphenyl-d14 (Surr)	63		45 - 136	01/11/23 05:31	01/12/23 22:48	1
Phenol-d6 (Surr)	17	S1-	20 - 120	01/11/23 05:31	01/12/23 22:48	1

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		01/10/23 09:00	01/10/23 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.4	HF	0.1	0.1	SU			01/17/23 10:30	1

Client Sample ID: TOTE-Water-2-01042023

Lab Sample ID: 590-19547-8

Date Collected: 01/04/23 11:40

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 21:16	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 21:16	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 21:16	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 21:16	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 21:16	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 21:16	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 21:16	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 21:16	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 21:16	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 21:16	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: TOTE-Water-2-01042023

Lab Sample ID: 590-19547-8

Date Collected: 01/04/23 11:40

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 21:16	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 21:16	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 21:16	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 21:16	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 21:16	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 21:16	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 21:16	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 21:16	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 21:16	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 21:16	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 21:16	1
Dibromomethane	ND		2.0	0.50	ug/L			01/11/23 21:16	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 21:16	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 21:16	1
Toluene	ND		1.0	0.31	ug/L			01/11/23 21:16	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 21:16	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 21:16	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 21:16	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 21:16	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 21:16	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 21:16	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 21:16	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 21:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 21:16	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 21:16	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 21:16	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 21:16	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 21:16	1
Bromoform	ND		5.0	0.66	ug/L			01/11/23 21:16	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 21:16	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 21:16	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 21:16	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 21:16	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 21:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			01/11/23 21:16	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 21:16	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			01/11/23 21:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 21:16	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 21:16	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			01/11/23 21:16	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 21:16	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 21:16	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 21:16	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 21:16	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 21:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 21:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 21:16	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 21:16	1
Naphthalene	ND		2.0	0.63	ug/L			01/11/23 21:16	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: TOTE-Water-2-01042023

Lab Sample ID: 590-19547-8

Date Collected: 01/04/23 11:40

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		01/11/23 21:16	1
4-Bromofluorobenzene (Surr)	114		80 - 120		01/11/23 21:16	1
Dibromofluoromethane (Surr)	107		80 - 120		01/11/23 21:16	1
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		01/11/23 21:16	1

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
1,2-Dichlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
1,3-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
1,4-Dichlorobenzene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
1-Methylnaphthalene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
2,4,5-Trichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 23:07	1
2,4,6-Trichlorophenol	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
2,4-Dichlorophenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 23:07	1
2,4-Dimethylphenol	ND		9.6	1.3	ug/L		01/11/23 05:31	01/12/23 23:07	1
2,4-Dinitrophenol	ND		48	20	ug/L		01/11/23 05:31	01/12/23 23:07	1
2,4-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
2,6-Dichlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
2,6-Dinitrotoluene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
2-Chloronaphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
2-Chlorophenol	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
2-Methylnaphthalene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 23:07	1
2-Methylphenol	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 23:07	1
2-Nitroaniline	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 23:07	1
2-Nitrophenol	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 23:07	1
3,3'-Dichlorobenzidine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 23:07	1
3 & 4 Methylphenol	ND		9.6	2.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
3-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 23:07	1
4,6-Dinitro-2-methylphenol	ND		48	15	ug/L		01/11/23 05:31	01/12/23 23:07	1
4-Bromophenyl phenyl ether	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 23:07	1
4-Chloro-3-methylphenol	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 23:07	1
4-Chloroaniline	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
4-Chlorophenyl phenyl ether	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 23:07	1
4-Nitroaniline	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 23:07	1
4-Nitrophenol	ND		9.6	3.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
Acenaphthene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
Acenaphthylene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 23:07	1
Aniline	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 23:07	1
Anthracene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 23:07	1
Azobenzene	ND		9.6	1.4	ug/L		01/11/23 05:31	01/12/23 23:07	1
Benzidine	ND		48	23	ug/L		01/11/23 05:31	01/12/23 23:07	1
Benzo[a]anthracene	ND		9.6	2.2	ug/L		01/11/23 05:31	01/12/23 23:07	1
Benzo[a]pyrene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 23:07	1
Benzo[b]fluoranthene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 23:07	1
Benzo[g,h,i]perylene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 23:07	1
Benzo[k]fluoranthene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 23:07	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: TOTE-Water-2-01042023

Lab Sample ID: 590-19547-8

Date Collected: 01/04/23 11:40

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzoic acid	ND		48	5.2	ug/L		01/11/23 05:31	01/12/23 23:07	1
Benzyl alcohol	ND		9.6	3.0	ug/L		01/11/23 05:31	01/12/23 23:07	1
Bis(2-chloroethoxy)methane	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 23:07	1
Bis(2-chloroethyl)ether	ND		24	9.8	ug/L		01/11/23 05:31	01/12/23 23:07	1
bis (2-Chloroisopropyl) ether	ND		9.6	2.7	ug/L		01/11/23 05:31	01/12/23 23:07	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 23:07	1
Butyl benzyl phthalate	ND		9.6	3.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
Chrysene	ND		9.6	1.7	ug/L		01/11/23 05:31	01/12/23 23:07	1
Dibenz(a,h)anthracene	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 23:07	1
Dibenzofuran	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
Diethyl phthalate	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 23:07	1
Dimethyl phthalate	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
Di-n-butyl phthalate	ND		9.6	5.7	ug/L		01/11/23 05:31	01/12/23 23:07	1
Di-n-octyl phthalate	ND		9.6	5.1	ug/L		01/11/23 05:31	01/12/23 23:07	1
Fluoranthene	ND		9.6	2.0	ug/L		01/11/23 05:31	01/12/23 23:07	1
Fluorene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 23:07	1
Hexachlorobutadiene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
Hexachlorobenzene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
Hexachlorocyclopentadiene	ND		24	5.3	ug/L		01/11/23 05:31	01/12/23 23:07	1
Hexachloroethane	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
Indeno[1,2,3-cd]pyrene	ND		9.6	1.6	ug/L		01/11/23 05:31	01/12/23 23:07	1
Isophorone	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
Naphthalene	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
Nitrobenzene	ND		24	9.4	ug/L		01/11/23 05:31	01/12/23 23:07	1
N-Nitrosodimethylamine	ND		9.6	1.5	ug/L		01/11/23 05:31	01/12/23 23:07	1
N-Nitrosodi-n-propylamine	ND		9.6	1.9	ug/L		01/11/23 05:31	01/12/23 23:07	1
N-Nitrosodiphenylamine	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 23:07	1
Pentachlorophenol	ND		9.6	8.1	ug/L		01/11/23 05:31	01/12/23 23:07	1
Phenanthrene	ND		9.6	1.8	ug/L		01/11/23 05:31	01/12/23 23:07	1
Phenol	ND		9.6	0.87	ug/L		01/11/23 05:31	01/12/23 23:07	1
Pyrene	ND		9.6	2.1	ug/L		01/11/23 05:31	01/12/23 23:07	1
Pyridine	ND		9.6	3.2	ug/L		01/11/23 05:31	01/12/23 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		27 - 140	01/11/23 05:31	01/12/23 23:07	1
2-Fluorobiphenyl (Surr)	62		28 - 120	01/11/23 05:31	01/12/23 23:07	1
2-Fluorophenol (Surr)	32		20 - 120	01/11/23 05:31	01/12/23 23:07	1
Nitrobenzene-d5 (Surr)	58		31 - 120	01/11/23 05:31	01/12/23 23:07	1
p-Terphenyl-d14 (Surr)	87		45 - 136	01/11/23 05:31	01/12/23 23:07	1
Phenol-d6 (Surr)	24		20 - 120	01/11/23 05:31	01/12/23 23:07	1

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		01/10/23 09:00	01/10/23 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.6	HF	0.1	0.1	SU			01/17/23 10:30	1

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: Trip Blank

Lab Sample ID: 590-19547-9

Date Collected: 01/04/23 00:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 21:38	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 21:38	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 21:38	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 21:38	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 21:38	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 21:38	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 21:38	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 21:38	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 21:38	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 21:38	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 21:38	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 21:38	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 21:38	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 21:38	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 21:38	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 21:38	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 21:38	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 21:38	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 21:38	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 21:38	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 21:38	1
Dibromomethane	ND		2.0	0.50	ug/L			01/11/23 21:38	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 21:38	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 21:38	1
Toluene	ND		1.0	0.31	ug/L			01/11/23 21:38	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 21:38	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 21:38	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 21:38	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 21:38	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 21:38	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 21:38	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 21:38	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 21:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 21:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 21:38	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 21:38	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 21:38	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 21:38	1
Bromoform	ND		5.0	0.66	ug/L			01/11/23 21:38	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 21:38	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 21:38	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 21:38	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 21:38	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 21:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			01/11/23 21:38	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 21:38	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			01/11/23 21:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 21:38	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 21:38	1

Eurofins Spokane

Client Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: Trip Blank

Lab Sample ID: 590-19547-9

Date Collected: 01/04/23 00:00

Matrix: Water

Date Received: 01/04/23 14:13

Method: SW846 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			01/11/23 21:38	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 21:38	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 21:38	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 21:38	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 21:38	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 21:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 21:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 21:38	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 21:38	1
Naphthalene	ND		2.0	0.63	ug/L			01/11/23 21:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 21:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		01/11/23 21:38	1
4-Bromofluorobenzene (Surr)	97		80 - 120		01/11/23 21:38	1
Dibromofluoromethane (Surr)	105		80 - 120		01/11/23 21:38	1
1,2-Dichloroethane-d4 (Surr)	119		80 - 120		01/11/23 21:38	1

Method: EPA 8011 - EDB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		01/10/23 09:00	01/10/23 13:55	1

QC Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

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

Lab Sample ID: MB 590-39766/8
Matrix: Water
Analysis Batch: 39766

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			01/11/23 12:52	1
Chloromethane	ND		3.0	0.50	ug/L			01/11/23 12:52	1
Vinyl chloride	ND		0.40	0.13	ug/L			01/11/23 12:52	1
Bromomethane	ND		5.0	0.76	ug/L			01/11/23 12:52	1
Chloroethane	ND		2.0	0.40	ug/L			01/11/23 12:52	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			01/11/23 12:52	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 12:52	1
Methylene Chloride	ND		5.0	2.2	ug/L			01/11/23 12:52	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			01/11/23 12:52	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			01/11/23 12:52	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			01/11/23 12:52	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			01/11/23 12:52	1
Bromochloromethane	ND		2.0	0.44	ug/L			01/11/23 12:52	1
Chloroform	ND		1.0	0.24	ug/L			01/11/23 12:52	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			01/11/23 12:52	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			01/11/23 12:52	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/11/23 12:52	1
Benzene	ND		0.40	0.093	ug/L			01/11/23 12:52	1
1,2-Dichloroethane	ND		1.0	0.31	ug/L			01/11/23 12:52	1
Trichloroethene	ND		1.0	0.20	ug/L			01/11/23 12:52	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			01/11/23 12:52	1
Dibromomethane	ND		2.0	0.50	ug/L			01/11/23 12:52	1
Bromodichloromethane	ND		1.0	0.29	ug/L			01/11/23 12:52	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			01/11/23 12:52	1
Toluene	ND		1.0	0.31	ug/L			01/11/23 12:52	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			01/11/23 12:52	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			01/11/23 12:52	1
Tetrachloroethene	ND		1.0	0.22	ug/L			01/11/23 12:52	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			01/11/23 12:52	1
Dibromochloromethane	ND		2.0	0.33	ug/L			01/11/23 12:52	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			01/11/23 12:52	1
Chlorobenzene	ND		1.0	0.32	ug/L			01/11/23 12:52	1
Ethylbenzene	ND		1.0	0.20	ug/L			01/11/23 12:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			01/11/23 12:52	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			01/11/23 12:52	1
m,p-Xylene	ND		2.0	0.28	ug/L			01/11/23 12:52	1
o-Xylene	ND		1.0	0.16	ug/L			01/11/23 12:52	1
Styrene	ND		1.0	0.24	ug/L			01/11/23 12:52	1
Bromoform	ND		5.0	0.66	ug/L			01/11/23 12:52	1
Isopropylbenzene	ND		1.0	0.24	ug/L			01/11/23 12:52	1
Bromobenzene	ND		1.0	0.28	ug/L			01/11/23 12:52	1
N-Propylbenzene	ND		1.0	0.25	ug/L			01/11/23 12:52	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			01/11/23 12:52	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			01/11/23 12:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			01/11/23 12:52	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			01/11/23 12:52	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			01/11/23 12:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			01/11/23 12:52	1

Eurofins Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

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

Lab Sample ID: MB 590-39766/8
Matrix: Water
Analysis Batch: 39766

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.22	ug/L			01/11/23 12:52	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			01/11/23 12:52	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			01/11/23 12:52	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			01/11/23 12:52	1
n-Butylbenzene	ND		1.0	0.20	ug/L			01/11/23 12:52	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			01/11/23 12:52	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			01/11/23 12:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L			01/11/23 12:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			01/11/23 12:52	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			01/11/23 12:52	1
Naphthalene	ND		2.0	0.63	ug/L			01/11/23 12:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/23 12:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		80 - 120		01/11/23 12:52	1
4-Bromofluorobenzene (Surr)	109		80 - 120		01/11/23 12:52	1
Dibromofluoromethane (Surr)	104		80 - 120		01/11/23 12:52	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		01/11/23 12:52	1

Lab Sample ID: LCS 590-39766/1005
Matrix: Water
Analysis Batch: 39766

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	9.16		ug/L		92	31 - 150
Chloromethane	10.0	9.76		ug/L		98	40 - 150
Vinyl chloride	10.0	9.35		ug/L		93	47 - 150
Bromomethane	10.0	9.71		ug/L		97	54 - 143
Chloroethane	10.0	9.65		ug/L		97	56 - 145
Trichlorofluoromethane	10.0	9.98		ug/L		100	60 - 150
1,1-Dichloroethene	10.0	8.64		ug/L		86	75 - 140
Methylene Chloride	10.0	10.4		ug/L		104	57 - 150
trans-1,2-Dichloroethene	10.0	9.59		ug/L		96	75 - 132
1,1-Dichloroethane	10.0	9.74		ug/L		97	79 - 121
2,2-Dichloropropane	10.0	10.5		ug/L		105	69 - 143
cis-1,2-Dichloroethene	10.0	9.25		ug/L		92	80 - 121
Bromochloromethane	10.0	9.01		ug/L		90	70 - 140
Chloroform	10.0	10.1		ug/L		101	80 - 126
1,1,1-Trichloroethane	10.0	9.98		ug/L		100	80 - 130
Carbon tetrachloride	10.0	9.74		ug/L		97	75 - 126
1,1-Dichloropropene	10.0	9.47		ug/L		95	76 - 125
Benzene	10.0	9.90		ug/L		99	80 - 126
1,2-Dichloroethane	10.0	9.49		ug/L		95	76 - 127
Trichloroethene	10.0	9.90		ug/L		99	75 - 129
1,2-Dichloropropane	10.0	9.49		ug/L		95	80 - 121
Dibromomethane	10.0	9.30		ug/L		93	70 - 126
Bromodichloromethane	10.0	9.67		ug/L		97	73 - 135
cis-1,3-Dichloropropene	10.0	10.1		ug/L		101	72 - 129

Eurofins Spokane

QC Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

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

Lab Sample ID: LCS 590-39766/1005
Matrix: Water
Analysis Batch: 39766

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	10.8		ug/L		108	80 - 129
trans-1,3-Dichloropropene	10.0	10.8		ug/L		108	74 - 120
1,1,2-Trichloroethane	10.0	11.3		ug/L		113	80 - 126
Tetrachloroethene	10.0	11.6		ug/L		116	77 - 124
1,3-Dichloropropane	10.0	10.1		ug/L		101	73 - 126
Dibromochloromethane	10.0	10.2		ug/L		102	72 - 122
1,2-Dibromoethane (EDB)	10.0	10.2		ug/L		102	74 - 120
Chlorobenzene	10.0	9.96		ug/L		100	79 - 125
Ethylbenzene	10.0	10.4		ug/L		104	80 - 128
1,1,1,2-Tetrachloroethane	10.0	9.32		ug/L		93	75 - 125
1,1,2,2-Tetrachloroethane	10.0	10.5		ug/L		105	75 - 121
m,p-Xylene	10.0	10.1		ug/L		101	80 - 127
o-Xylene	10.0	9.67		ug/L		97	80 - 126
Styrene	10.0	9.68		ug/L		97	75 - 136
Bromoform	10.0	9.31		ug/L		93	46 - 134
Isopropylbenzene	10.0	9.46		ug/L		95	77 - 123
Bromobenzene	10.0	10.4		ug/L		104	77 - 128
N-Propylbenzene	10.0	11.4		ug/L		114	67 - 138
1,2,3-Trichloropropane	10.0	10.9		ug/L		109	72 - 128
2-Chlorotoluene	10.0	10.6		ug/L		106	76 - 131
1,3,5-Trimethylbenzene	10.0	10.0		ug/L		100	69 - 134
4-Chlorotoluene	10.0	10.6		ug/L		106	70 - 132
tert-Butylbenzene	10.0	10.6		ug/L		106	68 - 122
1,2,4-Trimethylbenzene	10.0	10.2		ug/L		102	78 - 123
sec-Butylbenzene	10.0	10.2		ug/L		102	67 - 131
1,3-Dichlorobenzene	10.0	10.2		ug/L		102	74 - 128
p-Isopropyltoluene	10.0	10.2		ug/L		102	72 - 127
1,4-Dichlorobenzene	10.0	9.87		ug/L		99	74 - 121
n-Butylbenzene	10.0	9.55		ug/L		95	71 - 127
1,2-Dichlorobenzene	10.0	10.5		ug/L		105	73 - 127
1,2-Dibromo-3-Chloropropane	10.0	11.8		ug/L		118	47 - 136
1,2,4-Trichlorobenzene	10.0	10.9		ug/L		109	75 - 136
1,2,3-Trichlorobenzene	10.0	11.1		ug/L		111	74 - 135
Hexachlorobutadiene	10.0	11.0		ug/L		110	65 - 150
Naphthalene	10.0	11.8		ug/L		118	60 - 130
Methyl tert-butyl ether	10.0	9.96		ug/L		100	77 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	113		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
1,2-Dichloroethane-d4 (Surr)	99		80 - 120

QC Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

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

Lab Sample ID: LCSD 590-39766/6
Matrix: Water
Analysis Batch: 39766

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	8.61		ug/L		86	31 - 150	6	25
Chloromethane	10.0	8.95		ug/L		90	40 - 150	9	28
Vinyl chloride	10.0	8.45		ug/L		84	47 - 150	10	18
Bromomethane	10.0	8.86		ug/L		89	54 - 143	9	25
Chloroethane	10.0	8.14		ug/L		81	56 - 145	17	25
Trichlorofluoromethane	10.0	9.38		ug/L		94	60 - 150	6	19
1,1-Dichloroethene	10.0	8.13		ug/L		81	75 - 140	6	24
Methylene Chloride	10.0	9.57		ug/L		96	57 - 150	9	24
trans-1,2-Dichloroethene	10.0	9.16		ug/L		92	75 - 132	5	17
1,1-Dichloroethane	10.0	9.58		ug/L		96	79 - 121	2	16
2,2-Dichloropropane	10.0	9.30		ug/L		93	69 - 143	12	25
cis-1,2-Dichloroethene	10.0	9.09		ug/L		91	80 - 121	2	18
Bromochloromethane	10.0	9.02		ug/L		90	70 - 140	0	18
Chloroform	10.0	9.93		ug/L		99	80 - 126	2	18
1,1,1-Trichloroethane	10.0	9.20		ug/L		92	80 - 130	8	18
Carbon tetrachloride	10.0	9.15		ug/L		91	75 - 126	6	17
1,1-Dichloropropene	10.0	9.37		ug/L		94	76 - 125	1	15
Benzene	10.0	9.64		ug/L		96	80 - 126	3	18
1,2-Dichloroethane	10.0	9.38		ug/L		94	76 - 127	1	16
Trichloroethene	10.0	9.62		ug/L		96	75 - 129	3	17
1,2-Dichloropropane	10.0	9.60		ug/L		96	80 - 121	1	18
Dibromomethane	10.0	9.15		ug/L		92	70 - 126	2	21
Bromodichloromethane	10.0	9.53		ug/L		95	73 - 135	1	19
cis-1,3-Dichloropropene	10.0	9.59		ug/L		96	72 - 129	6	20
Toluene	10.0	10.4		ug/L		104	80 - 129	4	18
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	74 - 120	7	17
1,1,2-Trichloroethane	10.0	10.8		ug/L		108	80 - 126	5	16
Tetrachloroethene	10.0	10.6		ug/L		106	77 - 124	9	22
1,3-Dichloropropane	10.0	10.3		ug/L		103	73 - 126	2	23
Dibromochloromethane	10.0	9.89		ug/L		99	72 - 122	3	19
1,2-Dibromoethane (EDB)	10.0	9.76		ug/L		98	74 - 120	4	17
Chlorobenzene	10.0	9.42		ug/L		94	79 - 125	6	17
Ethylbenzene	10.0	9.81		ug/L		98	80 - 128	5	18
1,1,1,2-Tetrachloroethane	10.0	8.98		ug/L		90	75 - 125	4	15
1,1,2,2-Tetrachloroethane	10.0	10.1		ug/L		101	75 - 121	4	21
m,p-Xylene	10.0	9.59		ug/L		96	80 - 127	5	18
o-Xylene	10.0	8.83		ug/L		88	80 - 126	9	17
Styrene	10.0	9.08		ug/L		91	75 - 136	6	17
Bromoform	10.0	8.69		ug/L		87	46 - 134	7	20
Isopropylbenzene	10.0	8.88		ug/L		89	77 - 123	6	17
Bromobenzene	10.0	10.2		ug/L		102	77 - 128	1	18
N-Propylbenzene	10.0	10.9		ug/L		109	67 - 138	4	18
1,2,3-Trichloropropane	10.0	10.6		ug/L		106	72 - 128	2	25
2-Chlorotoluene	10.0	10.5		ug/L		105	76 - 131	1	25
1,3,5-Trimethylbenzene	10.0	9.41		ug/L		94	69 - 134	6	17
4-Chlorotoluene	10.0	10.2		ug/L		102	70 - 132	4	18
tert-Butylbenzene	10.0	10.4		ug/L		104	68 - 122	2	19
1,2,4-Trimethylbenzene	10.0	10.1		ug/L		101	78 - 123	1	17

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

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

Lab Sample ID: LCSD 590-39766/6
Matrix: Water
Analysis Batch: 39766

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	10.1		ug/L		101	67 - 131	1	19
1,3-Dichlorobenzene	10.0	10.4		ug/L		104	74 - 128	3	17
p-Isopropyltoluene	10.0	9.97		ug/L		100	72 - 127	2	18
1,4-Dichlorobenzene	10.0	9.85		ug/L		99	74 - 121	0	18
n-Butylbenzene	10.0	9.57		ug/L		96	71 - 127	0	19
1,2-Dichlorobenzene	10.0	10.1		ug/L		101	73 - 127	3	16
1,2-Dibromo-3-Chloropropane	10.0	11.2		ug/L		112	47 - 136	5	34
1,2,4-Trichlorobenzene	10.0	10.8		ug/L		108	75 - 136	0	26
1,2,3-Trichlorobenzene	10.0	10.9		ug/L		109	74 - 135	2	27
Hexachlorobutadiene	10.0	11.2		ug/L		112	65 - 150	2	22
Naphthalene	10.0	11.1		ug/L		111	60 - 130	6	32
Methyl tert-butyl ether	10.0	9.81		ug/L		98	77 - 128	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Toluene-d8 (Surr)	107		80 - 120
4-Bromofluorobenzene (Surr)	119		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		80 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-294826/1-A
Matrix: Water
Analysis Batch: 295108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 294826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
1,2-Dichlorobenzene	ND		10	1.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
1,3-Dichlorobenzene	ND		10	1.5	ug/L		01/10/23 13:00	01/11/23 16:50	1
1,4-Dichlorobenzene	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
1-Methylnaphthalene	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
2,4,5-Trichlorophenol	ND		10	1.8	ug/L		01/10/23 13:00	01/11/23 16:50	1
2,4,6-Trichlorophenol	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
2,4-Dichlorophenol	ND		10	1.8	ug/L		01/10/23 13:00	01/11/23 16:50	1
2,4-Dimethylphenol	ND		10	1.3	ug/L		01/10/23 13:00	01/11/23 16:50	1
2,4-Dinitrophenol	ND		50	21	ug/L		01/10/23 13:00	01/11/23 16:50	1
2,4-Dinitrotoluene	ND		10	1.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
2,6-Dichlorophenol	ND		10	1.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
2,6-Dinitrotoluene	ND		10	1.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
2-Chloronaphthalene	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
2-Chlorophenol	ND		10	1.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
2-Methylnaphthalene	ND		10	1.4	ug/L		01/10/23 13:00	01/11/23 16:50	1
2-Methylphenol	ND		10	2.3	ug/L		01/10/23 13:00	01/11/23 16:50	1
2-Nitroaniline	ND		10	1.5	ug/L		01/10/23 13:00	01/11/23 16:50	1
2-Nitrophenol	ND		10	1.9	ug/L		01/10/23 13:00	01/11/23 16:50	1
3,3'-Dichlorobenzidine	ND		10	2.0	ug/L		01/10/23 13:00	01/11/23 16:50	1
3 & 4 Methylphenol	ND		10	2.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
3-Nitroaniline	ND		10	2.1	ug/L		01/10/23 13:00	01/11/23 16:50	1
4,6-Dinitro-2-methylphenol	ND		50	15	ug/L		01/10/23 13:00	01/11/23 16:50	1

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-294826/1-A
Matrix: Water
Analysis Batch: 295108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 294826

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Bromophenyl phenyl ether	ND		10	1.9	ug/L		01/10/23 13:00	01/11/23 16:50	1
4-Chloro-3-methylphenol	ND		10	1.8	ug/L		01/10/23 13:00	01/11/23 16:50	1
4-Chloroaniline	ND		10	1.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/10/23 13:00	01/11/23 16:50	1
4-Nitroaniline	ND		10	2.1	ug/L		01/10/23 13:00	01/11/23 16:50	1
4-Nitrophenol	ND		10	3.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
Acenaphthene	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
Acenaphthylene	ND		10	1.8	ug/L		01/10/23 13:00	01/11/23 16:50	1
Aniline	ND		10	2.4	ug/L		01/10/23 13:00	01/11/23 16:50	1
Anthracene	ND		10	1.8	ug/L		01/10/23 13:00	01/11/23 16:50	1
Azobenzene	ND		10	1.5	ug/L		01/10/23 13:00	01/11/23 16:50	1
Benzidine	ND		50	25	ug/L		01/10/23 13:00	01/11/23 16:50	1
Benzo[a]anthracene	ND		10	2.3	ug/L		01/10/23 13:00	01/11/23 16:50	1
Benzo[a]pyrene	ND		10	2.1	ug/L		01/10/23 13:00	01/11/23 16:50	1
Benzo[b]fluoranthene	ND		10	2.0	ug/L		01/10/23 13:00	01/11/23 16:50	1
Benzo[g,h,i]perylene	ND		10	2.0	ug/L		01/10/23 13:00	01/11/23 16:50	1
Benzo[k]fluoranthene	ND		10	2.2	ug/L		01/10/23 13:00	01/11/23 16:50	1
Benzoic acid	ND		50	5.5	ug/L		01/10/23 13:00	01/11/23 16:50	1
Benzyl alcohol	ND		10	3.2	ug/L		01/10/23 13:00	01/11/23 16:50	1
Bis(2-chloroethoxy)methane	ND		10	1.8	ug/L		01/10/23 13:00	01/11/23 16:50	1
Bis(2-chloroethyl)ether	ND		25	10	ug/L		01/10/23 13:00	01/11/23 16:50	1
bis (2-Chloroisopropyl) ether	ND		10	2.8	ug/L		01/10/23 13:00	01/11/23 16:50	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		01/10/23 13:00	01/11/23 16:50	1
Butyl benzyl phthalate	ND		10	3.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
Chrysene	ND		10	1.8	ug/L		01/10/23 13:00	01/11/23 16:50	1
Dibenz(a,h)anthracene	ND		10	2.0	ug/L		01/10/23 13:00	01/11/23 16:50	1
Dibenzofuran	ND		10	1.5	ug/L		01/10/23 13:00	01/11/23 16:50	1
Diethyl phthalate	ND		10	1.9	ug/L		01/10/23 13:00	01/11/23 16:50	1
Dimethyl phthalate	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
Di-n-butyl phthalate	ND		10	6.0	ug/L		01/10/23 13:00	01/11/23 16:50	1
Di-n-octyl phthalate	ND		10	5.3	ug/L		01/10/23 13:00	01/11/23 16:50	1
Fluoranthene	ND		10	2.1	ug/L		01/10/23 13:00	01/11/23 16:50	1
Fluorene	ND		10	1.9	ug/L		01/10/23 13:00	01/11/23 16:50	1
Hexachlorobutadiene	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
Hexachlorobenzene	ND		10	1.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
Hexachlorocyclopentadiene	ND		25	5.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
Hexachloroethane	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
Indeno[1,2,3-cd]pyrene	ND		10	1.7	ug/L		01/10/23 13:00	01/11/23 16:50	1
Isophorone	ND		10	1.5	ug/L		01/10/23 13:00	01/11/23 16:50	1
Naphthalene	ND		10	1.6	ug/L		01/10/23 13:00	01/11/23 16:50	1
Nitrobenzene	ND		25	9.8	ug/L		01/10/23 13:00	01/11/23 16:50	1
N-Nitrosodimethylamine	ND		10	1.5	ug/L		01/10/23 13:00	01/11/23 16:50	1
N-Nitrosodi-n-propylamine	ND		10	1.9	ug/L		01/10/23 13:00	01/11/23 16:50	1
N-Nitrosodiphenylamine	ND		10	1.9	ug/L		01/10/23 13:00	01/11/23 16:50	1
Pentachlorophenol	ND		10	8.4	ug/L		01/10/23 13:00	01/11/23 16:50	1
Phenanthrene	ND		10	1.9	ug/L		01/10/23 13:00	01/11/23 16:50	1
Phenol	ND		10	0.91	ug/L		01/10/23 13:00	01/11/23 16:50	1
Pyrene	ND		10	2.2	ug/L		01/10/23 13:00	01/11/23 16:50	1
Pyridine	ND		10	3.3	ug/L		01/10/23 13:00	01/11/23 16:50	1

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		27 - 140	01/10/23 13:00	01/11/23 16:50	1
2-Fluorobiphenyl (Surr)	45		28 - 120	01/10/23 13:00	01/11/23 16:50	1
2-Fluorophenol (Surr)	30		20 - 120	01/10/23 13:00	01/11/23 16:50	1
Nitrobenzene-d5 (Surr)	45		31 - 120	01/10/23 13:00	01/11/23 16:50	1
p-Terphenyl-d14 (Surr)	74		45 - 136	01/10/23 13:00	01/11/23 16:50	1
Phenol-d6 (Surr)	21		20 - 120	01/10/23 13:00	01/11/23 16:50	1

Lab Sample ID: LCS 570-294826/2-A
Matrix: Water
Analysis Batch: 295108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 294826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	100	71.1		ug/L		71	46 - 120
1,4-Dichlorobenzene	100	70.4		ug/L		70	37 - 120
2,4-Dinitrotoluene	100	94.6		ug/L		95	69 - 120
2-Chlorophenol	100	81.9		ug/L		82	56 - 120
4-Chloro-3-methylphenol	100	80.0		ug/L		80	63 - 120
4-Nitrophenol	100	32.2		ug/L		32	21 - 120
Acenaphthene	100	93.0		ug/L		93	61 - 120
Acenaphthylene	100	109		ug/L		109	64 - 120
Butyl benzyl phthalate	100	99.0		ug/L		99	67 - 120
Dimethyl phthalate	100	92.8		ug/L		93	63 - 120
Fluorene	100	98.9		ug/L		99	65 - 120
Naphthalene	100	69.7		ug/L		70	57 - 120
N-Nitrosodi-n-propylamine	100	85.0		ug/L		85	55 - 120
Pentachlorophenol	100	79.2		ug/L		79	33 - 120
Phenol	100	37.7		ug/L		38	25 - 120
Pyrene	100	89.2		ug/L		89	66 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	84		27 - 140
2-Fluorobiphenyl (Surr)	75		28 - 120
2-Fluorophenol (Surr)	47		20 - 120
Nitrobenzene-d5 (Surr)	71		31 - 120
p-Terphenyl-d14 (Surr)	90		45 - 136
Phenol-d6 (Surr)	33		20 - 120

Lab Sample ID: LCSD 570-294826/3-A
Matrix: Water
Analysis Batch: 295108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 294826

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	70.0		ug/L		70	46 - 120	2	20
1,4-Dichlorobenzene	100	70.0		ug/L		70	37 - 120	1	20
2,4-Dinitrotoluene	100	94.2		ug/L		94	69 - 120	0	20
2-Chlorophenol	100	80.9		ug/L		81	56 - 120	1	20
4-Chloro-3-methylphenol	100	80.3		ug/L		80	63 - 120	0	20
4-Nitrophenol	100	32.7		ug/L		33	21 - 120	2	20
Acenaphthene	100	90.9		ug/L		91	61 - 120	2	20
Acenaphthylene	100	108		ug/L		108	64 - 120	1	20
Butyl benzyl phthalate	100	95.6		ug/L		96	67 - 120	3	20

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-294826/3-A
Matrix: Water
Analysis Batch: 295108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 294826

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Dimethyl phthalate	100	90.6		ug/L		91	63 - 120	2	20	
Fluorene	100	97.6		ug/L		98	65 - 120	1	20	
Naphthalene	100	68.5		ug/L		68	57 - 120	2	20	
N-Nitrosodi-n-propylamine	100	84.1		ug/L		84	55 - 120	1	20	
Pentachlorophenol	100	75.6		ug/L		76	33 - 120	5	20	
Phenol	100	38.0		ug/L		38	25 - 120	1	20	
Pyrene	100	92.8		ug/L		93	66 - 120	4	20	

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	73		28 - 120
2-Fluorophenol (Surr)	47		20 - 120
Nitrobenzene-d5 (Surr)	70		31 - 120
p-Terphenyl-d14 (Surr)	89		45 - 136
Phenol-d6 (Surr)	33		20 - 120

Method: 8011 - EDB

Lab Sample ID: MB 590-39718/2-A
Matrix: Water
Analysis Batch: 39738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: LCS 590-39718/3-A
Matrix: Water
Analysis Batch: 39738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
1,2-Dibromoethane (EDB)	0.125	0.116		ug/L		93	60 - 140	

Lab Sample ID: LCSD 590-39718/4-A
Matrix: Water
Analysis Batch: 39738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39718

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
1,2-Dibromoethane (EDB)	0.125	0.120		ug/L		96	60 - 140	3	20	

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 590-39813/1
Matrix: Water
Analysis Batch: 39813

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
pH	7.00	7.0		SU		100	98.6 - 101.4	

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QC Sample Results

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: 590-19547-1 DU
Matrix: Water
Analysis Batch: 39813

Client Sample ID: IDW-Drum-1-01042023
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	7.4	HF	7.4		SU		0.1	10

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

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-1-01042023

Lab Sample ID: 590-19547-1

Date Collected: 01/04/23 10:00

Matrix: Water

Date Received: 01/04/23 14:13

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	39766	01/11/23 18:25	JSP	EET SPK
Total/NA	Prep	3510C			1046.4 mL	2 mL	294826	01/11/23 05:31	H1SH	EET CAL 4
Total/NA	Analysis	8270C		1	1 mL	1 mL	295430	01/12/23 20:53	ULLI	EET CAL 4
Total/NA	Prep	8011			80 mL	2 mL	39718	01/10/23 09:00	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	39738	01/10/23 11:15	M1V	EET SPK
Total/NA	Analysis	SM 4500 H+ B		1			39813	01/17/23 10:30	AMB	EET SPK

Client Sample ID: IDW-Drum-2-01042023

Lab Sample ID: 590-19547-2

Date Collected: 01/04/23 10:10

Matrix: Water

Date Received: 01/04/23 14:13

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	39766	01/11/23 18:47	JSP	EET SPK
Total/NA	Prep	3510C			1047.7 mL	2 mL	294826	01/11/23 05:31	H1SH	EET CAL 4
Total/NA	Analysis	8270C		1	1 mL	1 mL	295430	01/12/23 21:12	ULLI	EET CAL 4
Total/NA	Prep	8011			80 mL	2 mL	39718	01/10/23 09:00	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	39738	01/10/23 11:31	M1V	EET SPK
Total/NA	Analysis	SM 4500 H+ B		1			39813	01/17/23 10:30	AMB	EET SPK

Client Sample ID: IDW-Drum-3-01042023

Lab Sample ID: 590-19547-3

Date Collected: 01/04/23 10:20

Matrix: Water

Date Received: 01/04/23 14:13

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	39766	01/11/23 19:08	JSP	EET SPK
Total/NA	Prep	3510C			1046.7 mL	2 mL	294826	01/11/23 05:31	H1SH	EET CAL 4
Total/NA	Analysis	8270C		1	1 mL	1 mL	295430	01/12/23 21:31	ULLI	EET CAL 4
Total/NA	Prep	8011			80 mL	2 mL	39718	01/10/23 09:00	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	39738	01/10/23 12:03	M1V	EET SPK
Total/NA	Analysis	SM 4500 H+ B		1			39813	01/17/23 10:30	AMB	EET SPK

Client Sample ID: IDW-Drum-4-01042023

Lab Sample ID: 590-19547-4

Date Collected: 01/04/23 10:40

Matrix: Water

Date Received: 01/04/23 14:13

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	39766	01/11/23 19:30	JSP	EET SPK
Total/NA	Prep	3510C			1044.1 mL	2 mL	294826	01/11/23 05:31	H1SH	EET CAL 4
Total/NA	Analysis	8270C		1	1 mL	1 mL	295430	01/12/23 21:50	ULLI	EET CAL 4
Total/NA	Prep	8011			80 mL	2 mL	39718	01/10/23 09:00	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	39738	01/10/23 12:19	M1V	EET SPK
Total/NA	Analysis	SM 4500 H+ B		1			39813	01/17/23 10:30	AMB	EET SPK

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: IDW-Drum-5-01042023

Lab Sample ID: 590-19547-5

Date Collected: 01/04/23 10:50

Matrix: Water

Date Received: 01/04/23 14:13

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	39766	01/11/23 19:51	JSP	EET SPK
Total/NA	Prep	3510C			1043.1 mL	2 mL	294826	01/11/23 05:31	H1SH	EET CAL 4
Total/NA	Analysis	8270C		1	1 mL	1 mL	295430	01/12/23 22:09	ULLI	EET CAL 4
Total/NA	Prep	8011			80 mL	2 mL	39718	01/10/23 09:00	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	39738	01/10/23 12:36	M1V	EET SPK
Total/NA	Analysis	SM 4500 H+ B		1			39813	01/17/23 10:30	AMB	EET SPK

Client Sample ID: IDW-Drum-6-01042023

Lab Sample ID: 590-19547-6

Date Collected: 01/04/23 11:00

Matrix: Water

Date Received: 01/04/23 14:13

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	39766	01/11/23 20:12	JSP	EET SPK
Total/NA	Prep	3510C			1047 mL	2 mL	294826	01/11/23 05:31	H1SH	EET CAL 4
Total/NA	Analysis	8270C		1	1 mL	1 mL	295430	01/12/23 22:29	ULLI	EET CAL 4
Total/NA	Prep	8011			80 mL	2 mL	39718	01/10/23 09:00	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	39738	01/10/23 12:51	M1V	EET SPK
Total/NA	Analysis	SM 4500 H+ B		1			39813	01/17/23 10:30	AMB	EET SPK

Client Sample ID: TOTE-Water-1-01042023

Lab Sample ID: 590-19547-7

Date Collected: 01/04/23 11:30

Matrix: Water

Date Received: 01/04/23 14:13

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	39766	01/11/23 20:55	JSP	EET SPK
Total/NA	Prep	3510C			1044.3 mL	2 mL	294826	01/11/23 05:31	H1SH	EET CAL 4
Total/NA	Analysis	8270C		1	1 mL	1 mL	295430	01/12/23 22:48	ULLI	EET CAL 4
Total/NA	Prep	8011			80 mL	2 mL	39718	01/10/23 09:00	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	39738	01/10/23 13:23	M1V	EET SPK
Total/NA	Analysis	SM 4500 H+ B		1			39813	01/17/23 10:30	AMB	EET SPK

Client Sample ID: TOTE-Water-2-01042023

Lab Sample ID: 590-19547-8

Date Collected: 01/04/23 11:40

Matrix: Water

Date Received: 01/04/23 14:13

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	39766	01/11/23 21:16	JSP	EET SPK
Total/NA	Prep	3510C			1044.7 mL	2 mL	294826	01/11/23 05:31	H1SH	EET CAL 4
Total/NA	Analysis	8270C		1	1 mL	1 mL	295430	01/12/23 23:07	ULLI	EET CAL 4
Total/NA	Prep	8011			80 mL	2 mL	39718	01/10/23 09:00	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	39738	01/10/23 13:39	M1V	EET SPK
Total/NA	Analysis	SM 4500 H+ B		1			39813	01/17/23 10:30	AMB	EET SPK

Eurofins Spokane

Lab Chronicle

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Client Sample ID: Trip Blank

Lab Sample ID: 590-19547-9

Date Collected: 01/04/23 00:00

Matrix: Water

Date Received: 01/04/23 14:13

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	39766	01/11/23 21:38	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	39718	01/10/23 09:00	M1V	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	39738	01/10/23 13:55	M1V	EET SPK

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

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

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Laboratory: Eurofins Spokane

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-025	01-08-24
Oregon	NELAP	4137	12-07-23

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-23
California	Los Angeles County Sanitation Districts	10109	07-31-23
California	State	3082	07-31-23
Nevada	State	CA00111	08-01-23
Oregon	NELAP	4175	02-02-23
USDA	US Federal Programs	P330-22-00059	05-24-23
Washington	State	C916-18	10-12-22 *

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

Method Summary

Client: HDR Inc
Project/Site: Simplot Warden

Job ID: 590-19547-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8011	EDB	EPA	EET SPK
SM 4500 H+ B	pH	SM	EET SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET SPK
8011	Microextraction	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

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

Eurofins Spokane
 11922 East 1st Ave
 Spokane, WA 99206
 Phone 509-924-9200 Fax 509-924-9290

Chain of Custody Record

eurofins

Loc: 590
 19547



Client Information (Sub Contract Lab)
 Client Contact: Shipping/Receiving
 Company: Eurofins Environment Testing Southwest,
 Address: 2841 Dow Avenue, Suite 100,
 City: Tustin
 State: CA, Zip: 92780
 Phone: 714-895-5494(Tel)
 Email:
 Project Name: Simplot Warden
 Site:
 Project #: 59002373
 SOW#:
 Due Date Requested: 1/17/2023
 TAT Requested (days):
 PO #:
 WO #:
 Project Name: Simplot Warden
 Site:
 Project #: 59002373
 SOW#:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=material)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of Containers	Special Instructions/Note:
IDW-Drum-1-01042023 (590-19547-1)	1/4/23	10:00 Pacific	Water	Water		X	X	2	
IDW-Drum-2-01042023 (590-19547-2)	1/4/23	10:10 Pacific	Water	Water		X	X	2	
IDW-Drum-3-01042023 (590-19547-3)	1/4/23	10:20 Pacific	Water	Water		X	X	2	
IDW-Drum-4-01042023 (590-19547-4)	1/4/23	10:40 Pacific	Water	Water		X	X	2	
IDW-Drum-5-01042023 (590-19547-5)	1/4/23	10:50 Pacific	Water	Water		X	X	2	
IDW-Drum-6-01042023 (590-19547-6)	1/4/23	11:00 Pacific	Water	Water		X	X	2	
TOTE-Water-1-01042023 (590-19547-7)	1/4/23	11:30 Pacific	Water	Water		X	X	2	
TOTE-Water-2-01042023 (590-19547-8)	1/4/23	11:40 Pacific	Water	Water		X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC 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 Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification
 Unconfirmed
 Return To Client
 Disposal By Lab
 Archive For _____ Months
 Special Instructions/QC Requirements: Primary Deliverable Rank 2
 Empty Kit Relinquished by: _____
 Relinquished by: _____
 Relinquished by: _____
 Relinquished by: _____
 Custody Seals Intact:
 Δ Yes Δ No
 Cooler Temperature(s) °C and Other Remarks: 1.9/18 16/15 SCL2
 Received by: _____
 Received by: _____
 Received by: _____
 Date/Time: 1/14/23 1530
 Date/Time: 1/15/23 10:00
 Date/Time: _____
 Company: Eurofins
 Company: Eurofins
 Company: Eurofins



Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 590-19547-1

Login Number: 19547

List Source: Eurofins Spokane

List Number: 1

Creator: Fettig, Riley

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.	N/A	
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: 590-19547-1

Login Number: 19547
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 01/05/23 11:36 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2071389
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	1.8, 1.5
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	