FSS

December 7, 2023

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

Subject: Progress Report for November 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 month if different from the schedule.

Christer Loftenius, Ecology December 7, 2023 Page 2

Activities in November 2023

- HDR conducted semi-annual groundwater sampling from November 6, 2023 through November 9, 2023. Sampling procedures followed the *Groundwater Monitoring Well Construction and Monitoring Plan* (HDR 2023). The following monitoring wells were sampled as part of this event:
 - MW-1
 - MW-2
 - MW-5DR
 - MW-5SR
 - MW-6S
 - MW-7S

- MW-7D
- MW-8S
- MW-11SMW-12S
- MW-123
 MW-15
- M

Monitoring wells MW-3, MW-9S, and MW-10S were not sampled during the November 2023 sampling event. Offsite MW-3 and MW-10S have either been destroyed or were covered by pavement. Offsite MW-9S was dry, which is consistent with the October 2013 and December 2017 sampling events.

- Investigative derived waste (water) from the November 2023 sampling event was collected in two 55-gallon drums and labeled "Drums contain Purge and Decontamination Water from monitoring well sampling", along with a list of which wells the water in each drum came from. The drums remain on site and are stored in a heated warehouse to prevent freezing. Composite sampling for characterization will take place during the next sampling event. The drums will remain on site until characterization is completed.
- HDR strategized project data formatting to facilitate upload to Ecology's EIM database.

Anticipated Activities for December 2023

- Simplot/HDR will coordinate project data formatting to facilitate upload to Ecology's EIM database.
- Ecology will provide a formal concurrence letter on the Revised Groundwater Monitoring Well Installation Report (per Ecology email dated 24 October 2023).
- Ecology will provide written approval of the minor change request (reducing progress reporting frequency as discussed in October 6 meeting).
- Results from the November 2023 sampling event will be summarized in a report and delivered to Ecology for review under separate cover.

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

Respectfully, HDR Engineering, Inc.

Tyler Allen

Project Manager

hdrinc.com

River Quarry at Parkcenter, 412 E. Parkcenter Blvd. Suite 100, Boise, ID 83706-6659 (208) 387-7000

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> CC: Molly Dimick, J.R. Simplot Company Attachments: Simplot Warden November 2023 Groundwater Monitoring Lab Report.pdf



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jered Newcomb HDR Inc 1401 E. Trent Ave Suite 101 Spokane, Washington 99202 Generated 11/17/2023 8:45:09 PM

JOB DESCRIPTION

Simplot Warden

JOB NUMBER

590-22230-1

Eurofins Spokane 11922 East 1st Ave Spokane WA 99206





Eurofins Spokane

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Job ID: 590-22230-1

Laboratory: Eurofins Spokane

Narrative

Job Narrative 590-22230-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/9/2023 2:00 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 time was 5.2°C

GC Semi VOA

Method 8011: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-44594 and analytical batch 590-44602 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8011: The method blank for preparation batch 590-44594 and analytical batch 590-44602 contained 1,2-Dibromoethane (EDB) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

Sample Summary

Client: HDR Inc Project/Site: Simplot Warden

ab Sample ID	Client Sample ID	Matrix	Collected	Received	
90-22230-1	MW-1	Water	11/06/23 10:48	11/09/23 14:00	
90-22230-2	MW-2	Water	11/06/23 13:17	11/09/23 14:00	
90-22230-3	MW-5DR	Water	11/06/23 15:47	11/09/23 14:00	
90-22230-4	MW-5SR	Water	11/07/23 15:31	11/09/23 14:00	
90-22230-5	MW-6S	Water	11/09/23 10:04	11/09/23 14:00	
90-22230-6	MW-7S	Water	11/07/23 12:28	11/09/23 14:00	
90-22230-7	MW-7D	Water	11/07/23 10:46	11/09/23 14:00	
90-22230-8	MW-8S	Water	11/08/23 13:07	11/09/23 14:00	
90-22230-9	MW-11S	Water	11/08/23 15:22	11/09/23 14:00	
90-22230-10	MW-12S	Water	11/08/23 11:03	11/09/23 14:00	
90-22230-11	MW-15	Water	11/08/23 12:40	11/09/23 14:00	
90-22230-12	RINSATE BLANK	Water	11/06/23 11:02	11/09/23 14:00	
90-22230-13	FIELD BLANK	Water	11/08/23 08:32	11/09/23 14:00	
90-22230-14	TRIP BLANK	Water	11/06/23 08:00	11/09/23 14:00	

Definitions/Glossary

Job ID: 590-22230-1

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Qualifiers

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Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
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

Job ID: 590-22230-1

Project/Site: Simplot Warden						
Client Sample ID: MW-1 Date Collected: 11/06/23 10:48 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-1 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result ND	Qualifier	RL 0.010	MDL 0.0025		D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 13:29 1
Client Sample ID: MW-2 Date Collected: 11/06/23 13:17 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-2 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result	Qualifier	RL 0.010	MDL		Di Fac <u>11/13/23 14:22</u> <u>Analyzed</u> <u>Dil Fac</u> <u>11/14/23 13:46</u> <u>1</u>
Client Sample ID: MW-5DR Date Collected: 11/06/23 15:47 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-3 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result ND	Qualifier	RL 0.010	MDL 0.0025		D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 14:02 1
Client Sample ID: MW-5SR Date Collected: 11/07/23 15:31 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-4 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result ND	Qualifier	RL 0.010	MDL 0.0025		D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 14:19 1
Client Sample ID: MW-6S Date Collected: 11/09/23 10:04 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-5 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result 0.10	Qualifier B	RL 0.010	MDL 0.0025		D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 14:52 1
Client Sample ID: MW-7S Date Collected: 11/07/23 12:28 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-6 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result ND	Qualifier	RL 0.010	MDL 0.0025		D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 15:08 1
Client Sample ID: MW-7D Date Collected: 11/07/23 10:46 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-7 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result ND	Qualifier	RL 0.010	MDL 0.0025	Unit ug/L	D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 15:24 1

Client Sample Results

Client: HDR Inc

Job ID: 590-22230-1

Project/Site: Simplot Warden						300 ID. 390-22230-1
Client Sample ID: MW-8S Date Collected: 11/08/23 13:07 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-8 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	ResultND	Qualifier	RL 0.010	MDL 0.0025	Unit ug/L	D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 15:41 1
Client Sample ID: MW-11S Date Collected: 11/08/23 15:22 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-9 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result	Qualifier		MDL 0.25	Unit ug/L	D Prepared Analyzed Dil Fac 11/13/23 14:22 11/15/23 09:33 100
Client Sample ID: MW-12S Date Collected: 11/08/23 11:03 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-10 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)		Qualifier F2 F1 B		MDL 0.0025	Unit ug/L	D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 16:14 1
Client Sample ID: MW-15 Date Collected: 11/08/23 12:40 Date Received: 11/09/23 14:00						Lab Sample ID: 590-22230-11 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result	Qualifier	RL 0.010	MDL 0.0025		D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 17:04 1
Client Sample ID: RINSAT Date Collected: 11/06/23 11:02 Date Received: 11/09/23 14:00	E BLANK					Lab Sample ID: 590-22230-12 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result	Qualifier	RL 0.010	MDL 0.0025		D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 17:20 1
Client Sample ID: FIELD B Date Collected: 11/08/23 08:32 Date Received: 11/09/23 14:00	LANK					Lab Sample ID: 590-22230-13 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result	Qualifier	RL 0.010	MDL 0.0025	Unit ug/L	D Prepared Analyzed Dil Fac 11/13/23 14:22 11/14/23 17:53 1
Client Sample ID: TRIP BL Date Collected: 11/06/23 08:00 Date Received: 11/09/23 14:00	ANK					Lab Sample ID: 590-22230-14 Matrix: Water
Method: EPA 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result	Qualifier		MDL 0.0025	Unit ug/L	D Prepared Analyzed Dil Fac 11/13/23 11/14/23 18:09 1

Method: 8011 - EDB

Lab Sample ID: MB 590-44	594/2-A							Clie	ent Sam	ole ID: M	ethod	Blank
Matrix: Water										Prep Ty		
Analysis Batch: 44602										Prep E	Batch:	44594
-	I	MB MB										
Analyte	Res	sult Qualifier	R		MDL Uni		D	Р	repared	Analy	zed	Dil Fac
1,2-Dibromoethane (EDB)	0.009	933 J	0.01	0 0.	0025 ug/	_		11/1	3/23 14:22	11/14/23	11:50	1
Lab Sample ID: LCS 590-44	4594/3-A					С	lient	Sai	mple ID:	Lab Cor	ntrol Sa	ample
Matrix: Water										Prep Ty	pe: To	tal/NA
Analysis Batch: 44602										Prep E	Batch:	<mark>4459</mark> 4
			Spike	LCS	LCS					%Rec		
Analyte			Added		Qualifie	r Unit		D	%Rec	Limits		
1,2-Dibromoethane (EDB)			0.125	0.0871		ug/L			70	60 - 140		
Lab Sample ID: LCSD 590-	44594/4-A					Client	Sam	ple	ID: Lab	Control	Sampl	e Dup
Matrix: Water										Prep Ty	pe: To	tal/NA
Analysis Batch: 44602										Prep E	Batch:	44594
-			Spike	LCSD	LCSD					%Rec		RPD
Analyte			Added	Result	Qualifie	r Unit		D	%Rec	Limits	RPD	Limit
1,2-Dibromoethane (EDB)			0.125	0.0846		ug/L			68	60 - 140	3	20
Lab Sample ID: 590-22230-	10 MS								Client	Sample	ID: MV	N-12S
Matrix: Water										Prep Ty	pe: To	tal/NA
Analysis Batch: 44602										Prep E	Batch:	44594
	Sample	Sample	Spike	MS	MS					%Rec		
Analyte	Result	Qualifier	Added		Qualifie	r Unit		D	%Rec	Limits		
1,2-Dibromoethane (EDB)	0.028	F2 F1 B	0.125	0.0696	F1	ug/L			33	60 - 140		
Lab Sample ID: 590-22230-	10 MSD								Client	Sample	ID: M	N-12S
Matrix: Water										Prep Ty		
Analysis Batch: 44602											Batch:	
-	Sample	Sample	Spike	MSD	MSD					%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifie	r Unit		D	%Rec	Limits	RPD	Limit
1,2-Dibromoethane (EDB)	0.028	F2 F1 B	0.125	0.0857	F2 F1	ug/L			46	60 - 140	21	20

Client Sample ID: MW-1 Date Collected: 11/06/23 10:48 Date Received: 11/09/23 14:00

Ргер Туре	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 13:29	NMI	EET SPK

Client Sample ID: MW-2 Date Collected: 11/06/23 13:17 Date Received: 11/09/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 13:46	NMI	EET SPK

Client Sample ID: MW-5DR

Date Collected: 11/06/23 15:47

Date Received: 11/09/23 14:00

Pre	ер Туре	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Tot	tal/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Tot	tal/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 14:02	NMI	EET SPK

Client Sample ID: MW-5SR

Date Collected: 11/07/23 15:31 Date Received: 11/09/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 14:19	NMI	EET SPK

Client Sample ID: MW-6S Date Collected: 11/09/23 10:04

Date Received: 11/09/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 14:52	NMI	EET SPK

Client Sample ID: MW-7S Date Collected: 11/07/23 12:28 Date Received: 11/09/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analvzed	Analvst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 15:08	NMI	EET SPK

Eurofins Spokane

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Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 590-22230-2

Lab Sample ID: 590-22230-3

Lab Sample ID: 590-22230-4

Lab Sample ID: 590-22230-5

Lab Sample ID: 590-22230-6

Client Sample ID: MW-7D Date Collected: 11/07/23 10:46 Date Received: 11/09/23 14:00

Ргер Туре	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 15:24	NMI	EET SPK

Client Sample ID: MW-8S Date Collected: 11/08/23 13:07 Date Received: 11/09/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 15:41	NMI	EET SPK

Client Sample ID: MW-11S Date Collected: 11/08/23 15:22

Date Received: 11/09/23 14:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		100	1 mL	1 mL	44602	11/15/23 09:33	NMI	EET SPK

Client Sample ID: MW-12S Date Collected: 11/08/23 11:03

Date Received: 11/09/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 16:14	NMI	EET SPK

Client Sample ID: MW-15 Date Collected: 11/08/23 12:40

Date Received: 11/09/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analvzed	Analvst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 17:04	NMI	EET SPK

Client Sample ID: RINSATE BLANK Date Collected: 11/06/23 11:02 Date Received: 11/09/23 14:00

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 17:20	NMI	EET SPK

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 590-22230-7

Lab Sample ID: 590-22230-8

Lab Sample ID: 590-22230-9

Lab Sample ID: 590-22230-10

Lab Sample ID: 590-22230-11

Lab Sample ID: 590-22230-12

Client Sample ID: FIELD BLANK Date Collected: 11/08/23 08:32 Date Received: 11/09/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 17:53	NMI	EET SPK

Client Sample ID: TRIP BLANK Date Collected: 11/06/23 08:00 Date Received: 11/09/23 14:00

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			80 mL	2 mL	44594	11/13/23 14:22	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	44602	11/14/23 18:09	NMI	EET SPK

Laboratory References:

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

Job ID: 590-22230-1

Lab Sample ID: 590-22230-13 **Matrix: Water**

Lab Sample ID: 590-22230-14

Matrix: Water

Job ID: 590-22230-1

Laboratory: Eurofins Spokane

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-07-24

Method Summary

Method	Method Description	Protocol	Laboratory
8011	EDB	EPA	EET SPK
3011	Microextraction	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Eurofins Spokane

Chain of Custody Record

🔅 eurofins

Environment Testing

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

Client Information	Sampler: Husse	Nertch	Lab PM: Arringte		dee F			Ca	rrier Trackl	ng No(s):		COC No: 590-9131-2620.1	<u>.</u>
Client Contact:	Phone: 208-387	7.1.9	E-Mail:					Sta	le of Origin	:		Page:	
Jered Newcomb Company:	08-587	- 7 / 0 0 PWSID:	Randee	e.Arring	ton@et.	eurofins						Page 1 of 4 Job #:	
HDR Inc	Due Date Requested:				- <u>1</u> 1-	<u>A</u>	nalysis	Reque	ested			Preservation Code	¢
1401 E. Trent Ave Suite 101	Due Date Kednesten:												M Hexane
City: Spokane	TAT Requested (days):											🕅 ๒ แลกษ	N None O AsNaO2
State, Zip:	Compliance Project: 🔺	Kan t Ma										D Nitric Acid	P Na2O4S Q Na2SO3
WA, 99202 Phone:	PO #:	T45 4 NU										F MeOH	R Na2S2O3 S H2SO4
509-343-8446(Tel) Email:	Purchase Order not re WO #:	quired										H Ascorbic Acid	T TSP Dodecahydrate U Acetone
jered.newcomb@hdrinc.com			, jo	2							Ľ	J DI Water	V MCAA W pH 4-5
Project Name: Simplot Warden	Project #: 59002373		2 V	Č,									Y Trizma Z other (specify)
Site:	SSOW#:							1					
· · · · · · · · · · · · · · · · · · ·												2 	
		Sample Type	Matrix (W=water,		(MOD) EDB								
	Sam	iple (C=comp,	8=solid, O=waste/oll,	Shell	8011	Ì					liceot		
Sample Identification	Sample Date Tin	CONTRACTOR OF CONT	BT=Thsus, A=Air)	N								Special Ins	tructions/Note:
MW-1	11/6/23 101		Water	ŤŔ									
MW-2	11/6/23 131		Water	╈	히				+				
At 1= 2	14 0/20 (21				-								
I Chr	11/6/23/154	17	Water	$+ \mathbf{k}$	$\overline{\mathbf{A}}$								
MW-SOR			Water	+ + + + + + + + + + + + + + + + + + +				\vdash		_			
MJ-55R	1/7/03 15		Water	+ + +					┥┥╴				
MW-65		04		<u> </u>			┨──┤───	┝━╹				<u> </u>	
MW-75		28	Water	+	7-1			<u> </u>					
MW-7D		46	Water	$\downarrow \downarrow $				L					·
MW-85	11/8/23 13	07 V	Water	17	\leq			L					
MW-95			Water					E	111111111 590-222	30 Chain	of Custo	ody	. <u></u>
AWY=105				╋			┝┶┼──						
Possible Hazard Identification	; - 1			Samp	nie Disp	osal (A	\ fee may	be ass	essed If	samples	are retai	ned longer than 1	
Non-Hazard Flammable Skin Irritant Pois Deliverable Requested: I, II, III IV Other (specify)	on B Unknown	Radiologica	1			To Clie	nt C Requir		posal By	Lab	- An	chive For	Months
				<u> </u>	ur mout	10110113/0	eo riciqui	Chicks		-{ ());	t.		
Empty Kit Relinguished by Relinguished by:	Date:			ime:	eceived by	r .	<u> </u>		Methoo	of Shipmen			Company
NMBa Tat	11/9/202	3 1365	Compapy HDR		(Har	/			l (151V	3 1400	Company
Relinquished by:	Date/Time:		Company	Re	eceived by	r				Date/Tin	ne:		Company
Relinquished by:	Date/Time:		Company	R	eceived by	<i>y</i> :				Date/Tin	ne:		Company
Custody Seals Intact. Custody Seal No.	I	l		c	coler Tem	perature(s	s) °C and Ot	her Rema	rks:	7.10	, .	7.22 F	2005
ΔYes ΔNo			}~~~~	للجب						7/ 2 2	-	THE X	

Eurofins Spokane

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

Chain of Custody Record

💸 eurofins |

Environment Testing

Phone: 509-924-9200 Fax: 509-924-9290	10 I																		
Client Information Client Contact:	Sample Alyssa Veatch Arrington, I																COC No: 590-9131-2620.4		
Client Contact: Jered Newcomb	Phone: 0			E-Ma Ran		ringto	glon@el.eurofinsus.com				s							Page: Page 4 of 4	
Company: HDR Inc			PWSID:	.					Analysis Requ									Job #:	
Address:	Due Date Request	ad:			198 535	8	r r	<u> </u>		1	Tequ	169			-		1	Preservation Cod	24
1401 E. Trent Ave Suite 101	·																	A HCL	M Hexane
City: Spokane State, Zip:	TAT Requested (da	ays};																B NaOH C Zn Acetate	N None O AsNaO2 P Na2O4S
State, Zip: WA, 99202	Compliance Project	t: ∆Yes A	\ No															D Nitric Acid E NaHSO4	Q Na2SO3 R Na2S2O3
Phone: 509-343-8446(Tel)	PO #: Purchase Order	not roquiro	d		1													F MeOH G Amchior	S H2SO4 T TSP Dodecahydrate
Email:	WO #:	- Hot Tequile	u		or No)													H Ascorbic Acid	U Acetone V MCAA
jered.newcomb@hdrinc.com Project Name:	Project #:																5101	J Di Water K EDTA	W pH 4-5 Y Trizma
Simplot Warden	59002373			e e												I	L EDA Z other (specify)		
Site:	SSOW#:			22-27 - V20-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4			ģ										of CO	Olher [.]	
Sample Identification	Sample Date	Sample Time	Derroration control of the provident of the party of the	Matrix (W=water, S=solid, O=waste/oß, BT=Tissue, A=Atr	(Field Fibered S	8011 (MOD) EDB	8011 (MOD) EDB										Total Number	Special In	structions/Note:
	\geq	$\geq \leq$	Preserva	tion Code:	XX	2010 2010 COLUMN	A										X		
MW-115	11/8/23	1522	G	Water		X													
MW-125	1/8/03	1103		Water		X													
MW-15	1/8/23	1240		Water		X													
MV - 125 - MJ	11/8/03	1103		Water		7													
MW-123-M50	11/8/23	1103				>													
MW-103-MSD RINSATE BLANK	11/6/23	1102				1													****************
FEELO BLANK	11/8/03	0832	∇I			7													
TRIP BLANK	-		¥			X			-										
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Possible Hazard Identification			1	1	Sa	mple) Disp	osal (A fee	e may	be as	ses	sed if	sam	iples a	are re	tain	ed longer than 1	month)
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological					Return To Client Disposal By Lab Archive For Months														
Deliverable Requested: I, II, III IV Other (specify)					Sp					Requir	ement	S:							
Empty Kit Relinquished by		Date:			Time:							Τ	Method	l of St	ipment	:			
Relinquishaday. Mate	DaterTime: 1/92/01	3/011/9/23 1365 HOR			-	Received by:						Date/Time:					<u> </u>	23 1400	Company Stypila
Reinquished by:	Date/Time:		1901	Company	Company F			Received by:					Date/Time:						Company
Relinquished by:	Date/Time:	ate/Time: Company				Received by:						Ċ	ale/Tim	16;			Company		
Custody Seals Intact: Custody Seal No. Δ Yes Δ No						Cooler Temperature(s) °C and Other Remarks: 7.1 2 7.2 2005													

Login Sample Receipt Checklist

Client: HDR Inc

Login Number: 22230 List Number: 1 Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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	

Job Number: 590-22230-1

List Source: Eurofins Spokane