June 17, 2022

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

Subject: Progress Report – Preliminary Pilot Study Summary, 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 purpose of this memo is to provide data and a preliminary summary of the Soil Vapor Extraction (SVE) pilot study operations and post-pilot study operations per the *Cleanup Action Implementation Compliance Monitoring Plan* (CAICMP; HDR revised May 2022) *and SVE Performance Test Plan* (PTP; HDR May 2022).

Batch 1/Pilot Study operations began on May 31, 2022 and ended on June 7, 2022. The following table summarizes the activities through June 17, 2022. Full-scale implementation of performance field data and sample collection has been ongoing since June 8, 2022 and will continue in accordance with PTP (HDR May 2022). Treatment batches 2, 3, and 4 began on June 8, 2022, June 15, 2022, and June 17, 2022 respectively.

Date	Activity Description
5/31/2022	Graymar prepares first SVE treatment cell (Batch 1/Pilot Study). HDR (Newcomb) collects pre-treatment soil samples and records field parameters.
6/1/2022	Batch 1/Pilot Study SVE treatment begins. HDR (Newcomb) collects soil vapor samples and records field parameters.
6/2/2022	Batch 1/Pilot Study pre-treatment soil sample analytical report is received. All soil samples results are non-detect for ethylene dibromide (EDB).
6/2/2022 - 6/5/2022	HDR (Newcomb) collects soil vapor samples and records field parameters.
6/5/2022	HDR (Newcomb) collects Batch 1/Pilot Study post-treatment soil samples and records field parameters.
6/7/2022	Batch 1/Pilot Study pre-treatment soil sample analytical report is received. All soil samples results are non-detect for EDB.
6/8/2022	Treatment Batch 2 begins.
6/9/2022	HDR (Urie) collects pre-treatment soil samples and records field parameters.
6/13/2022	Batch 2 pre-treatment soil sample results are received. All results are non-detect for EDB.
6/15/2022	Treatment Batch 3 begins. HDR (Newcomb) collects Batch 3 pre-treatment soil samples and records field parameters. Batch 1/Pilot Study soil vapor sample results are received. All results are non-detect for EDB.
6/16/2022	Batch 3 pre-treatment soil sample results are received. All results are non-detect for EDB.
6/17/2022	Treatment Batch 4 begins.

Christer Loftenius, Ecology June 17, 2022 Page 2

Simplot/HDR collected field data during the pilot study phase and during the more recent full-scale operations and to date, all EDB results have been non-detect for both soil and vapor. Please see the Attachment A photo log showing the SVE system and current site conditions, the Attachment B Sampling Results Summary Table, the Attachment C laboratory reports from Batch 1/Pilot Study, Batch 2, and Batch 3 (which includes the chain-of-custody forms), and the Attachment D field forms which documents the SVE system parameters.

Due to air flow rate equipment availability and vacuum gauge sensitivity, field balancing of the vacuum system has primarily been achieved by visually balancing the system by adjusting the inlet manifold valves to produce a visually even suction across the top of the treatment cell liner. Indications of airflow restriction within the system have been minimal to date and the system consistently produces a visual suction across the top of the treatment cell. See photo No. 2 in Attachment A.

GrayMar is currently evaluating methods to improve re-coverage of the impacted soil stockpile between treatment batches.

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 Senior Environmental Scientist

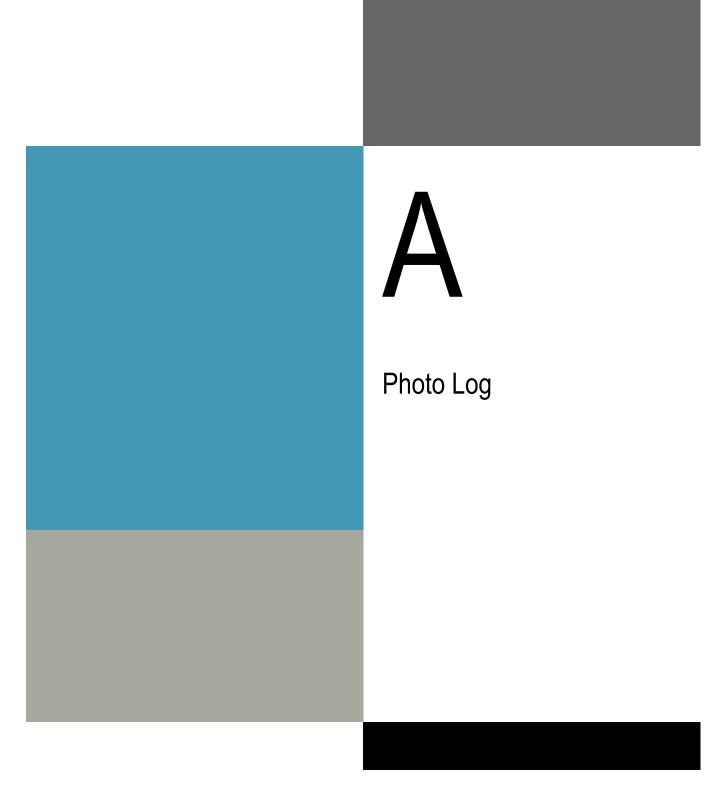
Attachments:

Attachment A: Photo Log Attachment B: Sampling Results Summary Table Attachment C: Laboratory Analytical Results

- Soil Sample Analytical Report (Pilot Test pre-treatment, EDB), Eurofins 6/2/2022
- Soil Sample Analytical Report (Pilot Test post-treatment, EDB), Eurofins 6/7/2022
- Soil Sample Analytical Report (Pilot Test pre-treatment, TOC), Eurofins 6/13/2022
- Soil Sample Analytical Report (Pilot Test post-treatment, TOC), Eurofins 6/17/2022
- Soil Vapor Analytical Report (All Pilot Test vapor samples, EDB), Eurofins 6/15/2022
- Soil Sample Analytical Report (Batch 2 pre-treatment), Eurofins 6/13/2022
- Soil Sample Analytical Report (Batch 3 pre-treatment), Eurofins 6/16/2022

Attachment D: SVE System Parameters Log

CC: Molly Dimick, J.R. Simplot Company Stacey Lamer, HDR Christer Loftenius, Ecology June 17, 2022 Page 3



Simplot Warden SVE Photolog; Warden, Washington, Grant County - Photos taken 5/31/2022-6/16/2022



Photo 1. View of loaded treatment cell, facing southeast.



Photo 2. View of tubing on top of treatment cell, facing south. Note vacuum effect on top liner across treatment cell. Suction pulling liner taught against air inlet piping array.



Photo 3. Partial view of SVE system.



Photo 4. View of soil vapor collection.



Photo 5. View of SVE equipment.



Photo 6. View of contaminated soils pile, facing northwest.



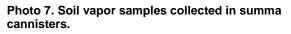




Photo 8. View of SVE treatment cell.



Photo 9. View of SVE layout on southern fence line of Simplot property.

Photo 10. View of soil samples collected in 4-ounce jars.

Christer Loftenius, Ecology June 17, 2022 Page 4

B

Sampling Results Summary Table

hdrinc.com

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

					Pilot Study Soi	l Samples			
Batch Number	Batch Startup Date	Batch Close Date	Sample Name	Date Collected	Results Received	EDB Result (µg/Kg)	MDL (µg/Kg)	Batch/Sample Notes	Eurofins Job Number
			SVE-Soil-May31-1Pre1	5/31/2022	6/2/2022	ND	0.038		590-17643-1
			SVE-Soil-May31-1Pre2	5/31/2022	6/2/2022	ND	0.036		590-17643-1
tch 1/Pilot Pre-Treatment	5/31/2022		SVE-Soil-May31-1Pre3	5/31/2022	6/2/2022	ND	0.037		590-17643-1
			SVE-Soil-May31-1Pre4	5/31/2022	6/2/2022	ND	0.038		590-17643-1
			SVE-Soil-May31-1PreDUP	5/31/2022	6/2/2022	ND	0.035	Duplicate of SVE-Soil-May31-1Pre3	590-17643-1
			SVE-Soil-June5-1Post1	6/5/2022	6/7/2022	ND	0.038		590-17700-1
			SVE-Soil-June5-1Post2	6/5/2022	6/7/2022	ND	0.038		590-17700-1
tch 1/Pilot Post-Treatment	6/5/2022	6/7/2022	SVE-Soil-June5-1Post3	6/5/2022	6/7/2022	ND	0.037		590-17700-1
			SVE-Soil-June5-1Post4	6/5/2022	6/7/2022	ND	0.037		590-17700-1
			SVE-Soil-June5-1PostDUP2	6/5/2022	6/7/2022	ND	0.038	Duplicate of SVE-Soil-June5-1Post2	590-17700-1
Batch Number	Batch Startup Date	Batch Close Date	Sample Name	Date Collected	Results Received	TOC Result (mg/Kg)	MDL (mg/Kg)	Batch/Sample Notes	Eurofins Job Number
			SVE-Soil-May31-1Pre1	5/31/2022	6/2/2022	1400	100		590-17643-2
			SVE-Soil-May31-1Pre2	5/31/2022	6/2/2022	2300	100		590-17643-2
atch 1/Pilot Pre-Treatment	5/31/2022		SVE-Soil-May31-1Pre3	5/31/2022	6/2/2022	1500	100		590-17643-2
			SVE-Soil-May31-1Pre4	5/31/2022	6/2/2022	1900	100		590-17643-2
			SVE-Soil-May31-1PreDUP	5/31/2022	6/2/2022	1700	100	Duplicate of SVE-Soil-May31-1Pre3	590-17643-2
			SVE-Soil-June5-1Post1	6/5/2022	6/17/2022	1500	100		590-17700-2
			SVE-Soil-June5-1Post2	6/5/2022	6/17/2022	1400	100		590-17700-2
tch 1/Pilot Post-Treatment	6/5/2022		SVE-Soil-June5-1Post3	6/5/2022	6/17/2022	1200	100		590-17700-2
,	-1 -1 -		SVE-Soil-June5-1Post4	6/5/2022	6/17/2022	1200	100		590-17700-2
			SVE-Soil-June5-1PostDUP2	6/5/2022	6/17/2022	1100	100	Duplicate of SVE-Soil-June5-1Post2	590-17700-2
				-/-/ -	Pilot Study Vap				
Batch Number	Batch Startup Date	Batch Close Date	Sample Name	Date Collected	Results Received	EDB Result (ppbv)	Report Limit (µg/m3)	Batch/Sample Notes	Eurofins Job Number
Daten Number	Daten Startup Date		SVE-Vap-June1-1Pre1	6/1/2022	6/15/2022	ND	8.4	Dately Sample Notes	2206179-01A
			SVE-Vap-June1-1Pre2	6/1/2022	6/15/2022	ND	8.3		2206179-01A
			SVE-Vap-June1-1Pre3	6/1/2022	6/15/2022	ND	8.6		2206179-01A
			SVE-Vap-June1-1Pre4	6/1/2022	6/15/2022	ND	8.2		2206179-01A
			•	6/1/2022	6/15/2022	ND	8.5		2206179-01A
			SVE-Vap-June1-DUP1	6/1/2022	6/15/2022	ND	8.3		2206179-01A 2206179-01A
			SVE-Vap-June1-1Pre5	6/1/2022	6/15/2022	ND	8.4		2206179-01A 2206179-01A
atch 1/Pilot Pre-Treatment	5/31/2022		SVE-Vap-June1-1Pre6			ND	8.4		2206179-01A 2206179-01A
	5/51/2022		SVE-Vap-June1-1Mid1	6/1/2022	6/15/2022	ND	7.8		
			SVE-Vap-June1-1Mid2	6/1/2022	6/15/2022	ND			2206179-01A
			SVE-Vap-June1-1Mid3	6/1/2022	6/15/2022		7.6		2206179-01A
			SVE-Vap-June1-1Mid4	6/1/2022	6/15/2022	ND	7.9		2206179-01A
			SVE-Vap-June1-1Mid5	6/1/2022	6/15/2022	ND	8.1		2206179-01A
			SVE-Vap-June1-1Mid6	6/1/2022	6/15/2022	ND	8.1		2206179-01A
			SVE-Vap-June1-1Post1	6/1/2022	6/15/2022	ND	9.1		2206179-01A
			SVE-Vap-June1-1Post2	6/1/2022	6/15/2022	ND	8.8		2206179-01A
					SVE Operation S	-			
Batch Number	Batch Startup Date	Batch Close Date	Sample Name	Date Collected	Results Received	EDB Result (µg/Kg)	MDL (µg/Kg)	Batch/Sample Notes	Eurofins Job Number
			SVE-Soil-June9-2Pre1	6/9/2022	6/13/2022	ND	0.039		590-17742-1
			SVE-Soil-June9-2Pre2	6/9/2022	6/13/2022	ND	0.039		590-17742-1
Batch 2	6/9/2022		SVE-Soil-June9-2Pre3	6/9/2022	6/13/2022	ND	0.038		590-17742-1
			SVE-Soil-June9-2Pre4	6/9/2022	6/13/2022	ND	0.039		590-17742-1
			SVE-Soil-June9-Dup1	6/9/2022	6/13/2022	ND	0.038	Duplicate of SVE-Soil-June9-2Pre1	590-17742-1
			SVE-Soil-June15-3Pre1	6/15/2022	6/16/2022	ND	0.038		590-1777-1
			SVE-Soil-June15-3Pre2	6/15/2022	6/16/2022	ND	0.038		590-1777-1
Batch 3	6/15/2022		SVE-Soil-June15-3Pre3	6/15/2022	6/16/2022	ND	0.038		590-1777-1
			SVE-Soil-June15-3Pre4	6/15/2022	6/16/2022	ND	0.037		590-1777-1
			SVE-Soil-June15-3DUP	6/15/2022	6/16/2022	ND	0.038	Duplicate of SVE-Soil-June15-3Pre3	590-1777-1

									Pi	lot Study Soi	Samples							
Sample Set	Lab Report ID	Sample Date	Report Date	Hold Time Met?	Method Blank Qualifier	Surrogate Recovery %	Spike Recovery (LCS)	Field Duplicates	Lab Duplicates	Matrix Spike	Matrix Spike Duplicate	Completeness	Method Detection Limits (MDL)(µg/Kg)	Lab Control Samples	Chain-of-Custody Forms	Lab Qualifiers	Data Validated as Useable Overall	Notes
Batch 1/Pilot Pre-treatment (EDB Results)	590-17643-1	5/31/2022	6/2/2022	Yes	None	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Complete	None	Yes	one revision on lab report due to HDR request to change header
Batch 1/Pilot Post-treatment	590-17700-1	6/5/2022	6/7/2022	Yes	None	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Complete	None	Yes	
Batch 1/Pilot Pre-treatment (TOC Results)	590-17643-2	5/31/2022	6/13/2022	Yes	None	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Complete	None	Yes	
Batch 1/Pilot Post-treatment (TOC Results)	590-17700-2	6/5/2022	6/17/2022	Yes	None	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Complete	None	Yes	
									Pilo	ot Study Vapo	or Samples							
Batch 1/Pilot Pre-treatment (Vapor Results)	2206179-01A	6/1/2022-6/5/2022	6/15/2022	Yes	None	Pass	Pass	Pass	Pass	N/A	N/A	Pass	Pass	Pass	Pass	None	Yes	
									SVE	Operation S	oil Samples							
Batch 2 Pre-treatment	590-17742-1	6/9/2022	6/13/2022	Yes	None	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Complete	None	Yes	
Batch 3 Pre-treatment	590-17777-1	6/15/2022	6/16/2022	Yes	None	Pass	Pass	Pass	Pass	Pass	Fail	Pass	Pass	Pass	Complete	None	Yes	



Laboratory Analytical Results

hdrinc.com

🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-17643-1

Client Project/Site: Simplot Warden Revision: 1

For:

HDR Inc 1401 E. Trent Ave Suite 101 Spokane, Washington 99202

Attn: Jered Newcomb

dande Arrington

Authorized for release by: 6/2/2022 4:54:05 PM

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

Have a Question? Expert This report has been electronically signed and authorized by the signatory. Electronic

signature.

Visit us at: www.eurofinsus.com/Env

..... Links

Review your project results through

EOL

Ask-The

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

signature is intended to be the legally binding equivalent of a traditionally handwritten

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
Chronicle	8
Certification Summary	10
Method Summary	11
Chain of Custody	12
Receipt Checklists	13

Case Narrative

Job ID: 590-17643-1

Laboratory: Eurofins Spokane

Narrative

Revision

The report being provided is a revision of the original report sent on 6/2/2022. The report (revision 1) is being revised due to: The method header in the final report was revised per the client's request.

Receipt

The samples were received on 6/1/2022 8:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.4° C.

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

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-17643-1	SVE-Soil-May31-1Pre1	Solid	05/31/22 15:50	06/01/22 08:20
590-17643-2	SVE-Soil-May31-1Pre2	Solid	05/31/22 16:10	06/01/22 08:20
590-17643-3	SVE-Soil-May31-1Pre3	Solid	05/31/22 16:05	06/01/22 08:20
590-17643-4	SVE-Soil-May31-1DUP	Solid	05/31/22 15:30	06/01/22 08:20
590-17643-5	SVE-Soil-May31-1Pre4	Solid	05/31/22 16:20	06/01/22 08:20
590-17643-6	Trip Blanks	Solid	05/31/22 00:00	06/01/22 08:20

Definitions/Glossary

Client: HDR Inc Project/Site: Simplot Warden

Job ID: 590-17643-1

Glossary		3
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	4
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	J
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)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
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

Eurofins Spokane

Client Sample Results

Client: HDR Inc

Job ID: 590-17643-1

Project/Site: Simplot Warden					JOD ID: 590-17643-1
Client Sample ID: SVE-Soil-	May31-1Pre1				Lab Sample ID: 590-17643-1
Date Collected: 05/31/22 15:50					Matrix: Solid
Date Received: 06/01/22 08:20					Percent Solids: 88.8
Method: 8011 - EDB					
Analyte	Result Qualifier	RL	MDL		D Prepared Analyzed Dil Fac
1,2-Dibromoethane (EDB)	ND	0.054	0.038	ug/Kg	☆ 06/01/22 15:31 06/01/22 17:02 1
Client Sample ID: SVE-Soil-	May31-1Pre2				Lab Sample ID: 590-17643-2
Date Collected: 05/31/22 16:10					Matrix: Solid
Date Received: 06/01/22 08:20					Percent Solids: 89.4
Method: 8011 - EDB					
Analyte	Result Qualifier	RL	MDL	Unit	D Prepared Analyzed Dil Fac
1,2-Dibromoethane (EDB)	ND	0.052	0.036	ug/Kg	\overline{A} \overline{A} \overline{A} \overline{A} 1
Client Sample ID: SVE-Soil-	May31-1Pre3				Lab Sample ID: 590-17643-3
Date Collected: 05/31/22 16:05	indyor in roo				Matrix: Solid
Date Received: 06/01/22 08:20					Percent Solids: 89.0
Method: 8011 - EDB					
Analyte	Result Qualifier		MDL		D Prepared Analyzed Dil Fac
1,2-Dibromoethane (EDB)	ND	0.053	0.037	ug/Kg	☆ 06/01/22 15:31 06/01/22 18:07 1
Client Sample ID: SVE-Soil-	May31-1DUP				Lab Sample ID: 590-17643-4
Date Collected: 05/31/22 15:30					Matrix: Solid
Date Received: 06/01/22 08:20					Percent Solids: 89.4
Method: 8011 - EDB					
Analyte	Result Qualifier	RL	MDL	Unit	D Prepared Analyzed Dil Fac
1,2-Dibromoethane (EDB)	ND	0.055	0.038	ug/Kg	Image: The second sec
Client Sample ID: SVE-Soil-	May31-1Pro/				Lab Sample ID: 590-17643-5
Date Collected: 05/31/22 16:20	mayor-mic+				Matrix: Solid
Date Received: 06/01/22 08:20					Percent Solids: 89.3
Method: 8011 - EDB	Desult Qualifier	ы	MDI	11	D. Drawand Analyzed Dil Fee
Analyte	Result Qualifier	RL		Unit	D Prepared Analyzed Dil Fac ∞ 06/01/22 15:31 06/01/22 18:40 1
1,2-Dibromoethane (EDB)	ND	0.054	0.036	ug/Kg	© 06/01/22 15:31 06/01/22 18:40 1
Client Sample ID: Trip Blank	ks				Lab Sample ID: 590-17643-6
Date Collected: 05/31/22 00:00					Matrix: Solid
Date Received: 06/01/22 08:20					
Date Received: 06/01/22 08:20	Result Qualifier	RL	MDL	Unit	D Prepared Analyzed Dil Fac

Method: 8011 - EDB

Lab Sample ID: MB 590-36	348/2-A									(Clie	nt Samp	ole ID: Me	thod	Blank
Matrix: Solid													Prep Typ	e: To	tal/NA
Analysis Batch: 36349													Prep B		
-		мв и	ИВ												
Analyte	Re	sult (Qualifier		RL	I	MDL	Unit		D	Pr	epared	Analyz	ed	Dil Fac
1,2-Dibromoethane (EDB)		ND			0.050	0	.035	ug/Kg		_	06/01	1/22 15:31	06/01/22	6:13	1
Lab Sample ID: LCS 590-3	6348/3-A								Cli	ent	San	nple ID:	Lab Con	trol S	ample
Matrix: Solid													Prep Typ	e: To	tal/NA
Analysis Batch: 36349													Prep B	atch:	36348
-				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
1,2-Dibromoethane (EDB)				1.00		1.14			ug/Kg		_	114	60 - 140		
Lab Sample ID: 590-17643- Matrix: Solid Analysis Batch: 36349	1 MS								Client	t Sa	mpl	le ID: S\	/E-Soil-M Prep Typ Prep B	e: To	tal/NA
	Sample	Samp	ole	Spike		MS	MS						%Rec		
Analyte	Result	Quali	fier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
	ND			4 0 0		0.793			ug/Kg		Å	74	60 - 140		
1,2-Dibromoethane (EDB)	ND			1.08		0.793			ug/itg		Ŧ		00 - 140		
1,2-Dibromoethane (EDB) Lab Sample ID: 590-17643-				1.08		0.793			0 0	t Sa			/E-Soil-M	ay31-	-1Pre1
-				1.08		0.793			0 0	t Sa				-	
 Lab Sample ID: 590-17643-				1.08		0.793			0 0	t Sa			/E-Soil-M	e: To	tal/NA
Lab Sample ID: 590-17643 Matrix: Solid		Samp	ble	1.08 Spike		MSD	MSD)	0 0	t Sa			/E-Soil-M Prep Typ	e: To	tal/NA
Lab Sample ID: 590-17643 Matrix: Solid	1 MSD	•					-		0 0	t Sa			/E-Soil-M Prep Typ Prep B	e: To	tal/NA 36348 RPD

Run

Dil

Factor

Initial

Amount

Final

Amount

Batch

Number

Prepared

or Analyzed

Analyst

Lab

Prep Type

Prep Type

Total/NA

Total/NA

Prep Type

Prep Type

Total/NA

Total/NA

Prep Type

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Client Sample ID: SVE-Soil-May31-1Pre1 Date Collected: 05/31/22 15:50 Date Received: 06/01/22 08:20

Batch

Method

Batch

Type

8

36336 06/01/22 10:58 TAL SPK Analysis Moisture M1V 1 Client Sample ID: SVE-Soil-May31-1Pre1 Lab Sample ID: 590-17643-1 Date Collected: 05/31/22 15:50 Matrix: Solid Date Received: 06/01/22 08:20 Percent Solids: 88.8 Batch Batch Dil Initial Final Batch Prepared Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 8011 10.50 g 2 mL 36348 06/01/22 15:31 NMI TAL SPK Analysis 8011 36349 06/01/22 17:02 NMI TAL SPK 1 Lab Sample ID: 590-17643-2 Client Sample ID: SVE-Soil-May31-1Pre2 Date Collected: 05/31/22 16:10 Matrix: Solid Date Received: 06/01/22 08:20 Dil Initial Final Batch Batch Batch Prepared Method or Analyzed Type Run Factor Amount Amount Number Analyst Lab 36336 06/01/22 10:58 M1V TAL SPK Analysis Moisture Client Sample ID: SVE-Soil-May31-1Pre2 Lab Sample ID: 590-17643-2 Date Collected: 05/31/22 16:10 Matrix: Solid Date Received: 06/01/22 08:20 Percent Solids: 89.4 Batch Batch Dil Initial Final Batch Prepared Method Amount Number or Analyzed Туре Run Factor Amount Analyst Lab 8011 36348 06/01/22 15:31 NMI TAL SPK Prep 10.82 g 2 mL Analvsis 8011 36349 06/01/22 17:51 NMI TAL SPK 1 Client Sample ID: SVE-Soil-May31-1Pre3 Lab Sample ID: 590-17643-3 Date Collected: 05/31/22 16:05 Matrix: Solid Date Received: 06/01/22 08:20 Batch Batch Dil Initial Final Batch Prepared Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab 36336 06/01/22 10:58 M1V TAL SPK Analysis Moisture 1 Client Sample ID: SVE-Soil-May31-1Pre3 Lab Sample ID: 590-17643-3 Date Collected: 05/31/22 16:05 Matrix: Solid Date Received: 06/01/22 08:20 Percent Solids: 89.0 Batch Batch Dil Initial Final Batch Prepared Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 8011 2 mL 36348 06/01/22 15:31 NMI TAL SPK 10.58 g 06/01/22 18:07 NMI 8011 Analysis 1 36349 TAL SPK

Client Sample ID: SVE-Soil-May31-1DUP Date Collected: 05/31/22 15:30 Date Received: 06/01/22 08:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			36336	06/01/22 10:58	M1V	TAL SPK

Eurofins Spokane

Lab Sample ID: 590-17643-4

Matrix: Solid

Client Sam	ple ID: SVE	E-Soil-May	31-1DUP				L	ab Sample	ID: 590	-17643-4
Date Collecte	d: 05/31/22 1	5:30						_	Ма	trix: Solic
Date Receive	d: 06/01/22 0	8:20						Р	ercent S	olids: 89.4
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			10.25 g	2 mL	36348	06/01/22 15:31	NMI	TAL SPK
Total/NA	Analysis	8011		1			36349	06/01/22 18:24	NMI	TAL SPK
Client Sam	ple ID: SVE	E-Soil-May	31-1Pre4				L	ab Sample	ID: 590	-17643-
Date Collecte	-	-								trix: Solic
Date Receive	d: 06/01/22 0	8:20								
-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			36336	06/01/22 10:58	M1V	TAL SPK
Client Sam	nle ID [.] SVF	-Soil-May	31-1Pre4					ab Sample	ID: 590	-17643-5
	-	-	01-11104				-			
DATE CONFCIE	d' 05/31/22 1								Ma	trix [.] Solic
	d: 05/31/22 1 d: 06/01/22 0							Р		
Date Conecte	d: 06/01/22 0	8:20								
Date Receive	d: 06/01/22 0 Batch	8:20 Batch		Dil	Initial	Final	Batch	Prepared	ercent S	olids: 89.3
Prep Type	d: 06/01/22 0 Batch Type	8:20 Batch Method	Run	Dil Factor	Amount	Amount	Number	Prepared or Analyzed	ercent S Analyst	olids: 89.3
Prep Type Total/NA	d: 06/01/22 0 Batch Type Prep	8:20 Batch Method 8011	Run	Factor			Number 36348	Prepared or Analyzed 06/01/22 15:31	ercent S Analyst NMI	Lab TAL SPK
Date Receive Prep Type	d: 06/01/22 0 Batch Type	8:20 Batch Method	Run		Amount	Amount	Number	Prepared or Analyzed	ercent S Analyst NMI	olids: 89.3
Prep Type Total/NA	d: 06/01/22 0 Batch Type Prep Analysis	8:20 Batch Method 8011 8011	Run	Factor	Amount	Amount	Number 36348 36349	Prepared or Analyzed 06/01/22 15:31	ercent S Analyst NMI NMI	Lab TAL SPK TAL SPK
Prep Type Total/NA Total/NA	d: 06/01/22 0 Batch Type Prep Analysis Ple ID: Trip	8:20 Batch Method 8011 8011 0 Blanks	<u>Run</u>	Factor	Amount	Amount	Number 36348 36349	Prepared or Analyzed 06/01/22 15:31 06/01/22 18:40	Analyst NMI NMI ID: 590	Lab TAL SPK TAL SPK TAL SPK
Prep Type Total/NA Total/NA Client Sam	d: 06/01/22 0 Batch Type Prep Analysis ple ID: Trip d: 05/31/22 0	8:20 Batch Method 8011 8011 0 Blanks 0:00	Run	Factor	Amount	Amount	Number 36348 36349	Prepared or Analyzed 06/01/22 15:31 06/01/22 18:40	Analyst NMI NMI ID: 590	Lab TAL SPK TAL SPK TAL SPK
Date Receive Prep Type Total/NA Total/NA Client Sam Date Collecte	d: 06/01/22 0 Batch Type Prep Analysis ple ID: Trip d: 05/31/22 0	8:20 Batch Method 8011 8011 0 Blanks 0:00	<u>Run</u>	Factor	Amount	Amount	Number 36348 36349	Prepared or Analyzed 06/01/22 15:31 06/01/22 18:40	Analyst NMI NMI ID: 590	Lab TAL SPK TAL SPK TAL SPK
Prep Type Total/NA Total/NA Client Sam Date Collecte Date Receive	d: 06/01/22 0 Batch Type Prep Analysis ple ID: Trip d: 05/31/22 0 d: 06/01/22 0	8:20 Batch Method 8011 8011 0 Blanks 00:00 8:20	Run Run	Factor	Amount 10.42 g	Amount 2 mL	Number 36348 36349	Prepared or Analyzed 06/01/22 15:31 06/01/22 18:40 ab Sample	Analyst NMI NMI ID: 590	Lab TAL SPK TAL SPK TAL SPK
Date Receive Prep Type Total/NA Total/NA Client Sam Date Collecte	d: 06/01/22 0 Batch Type Prep Analysis ple ID: Trip d: 05/31/22 0 d: 06/01/22 0 Batch	8:20 Batch Method 8011 8011 0 Blanks 0:00 8:20 Batch		Factor 1	Amount 10.42 g Initial	Amount 2 mL Final	Number 36348 36349 L Batch	Prepared or Analyzed 06/01/22 15:31 06/01/22 18:40 ab Sample Prepared	Analyst NMI NMI ID: 590 Ma	TAL SPK TAL SPK -17643-6 htrix: Solic

Lab Chronicle

Client: HDR Inc

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

6/2/2022 (Rev. 1)

Job ID: 590-17643-1

Laboratory: Eurofins Spokane

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

Authority	Р	rogram	Identification Number	Expiration Date
Washington	S	tate	C569	01-06-23
The following analytes	s are included in this rep	ort, but the laboratory is	not certified by the governing authority.	This list may include analytes for which
the agency does not o	offer certification.			
the agency does not of Analysis Method	offer certification. Prep Method	Matrix	Analyte	
0,		Matrix Solid	Analyte Percent Moisture	

Eurofins Spokane

Method Summary

Client: HDR Inc Project/Site: Simplot Warden

Method	Method Description	Protocol	Laboratory
8011	EDB	EPA	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
8011	Microextraction	SW846	TAL 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:

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

Edior no oponano

11922 East 1st Ave Spokane, WA 99206

Spokane, WA 99206 Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record

😽 eurofins

Environment Testing America

Client Information	Sampler Jered Newcomb	IAN		Lab Arri		PM: ngton, Randee E					Ca	Carrier Tracking No(s):					COC No: 590-7430-2162.1		
Client Contact:	Phone:	,		E-M	ail:					Sta	te of Or	gin:				Page:			
Jered Newcomb Company	509-899-4371		PWSID:	Rar	ndee./	Arring	ton@	et.eur	ofinsus	s.com							Page 1 of		
HDR Inc			PWSID:						Ana	lysis R	eque	ested					Job #:		
Address. 835 N Post St. Ste. 101	Due Date Requeste	əd:					Τ				Ī					10000	Preservation Cod		
City:	TAT Requested (da				-											-	A HCL B NaOH	M Hexane N None	
Spokane State, Zip:		24 ho	ur													and a second	C Zn Acetate D Nitric Acid	O AsNaO2 P Na2O4S	
WA, 99202	Compliance Projec	t: A Yes	Δ Νο] [E NaHSO4 F MeOH	Q Na2SO3 R Na2S2O3	-
Phone: 509-899-4371	PO #: Purchase Order	Requested															G Amchior H Ascorbic Acid	S H2SO4 T TSP Dodec	obudrata
Email: Jered newcomb@bdrinc.com/as/kc_All=_QL_lcie	14/0 /				or No	6											I Ice J DI Water	U Acetone V MCAA	anyonate
Jered. newcomb@hdrinc.com/Tyler.Allen@hdrinc.com Project Name: Simplot Warden	Project #: 59002373				- Se l	or No)										ners	K EDTA L EDA	W pH 4-5	14 A
Simplot Warden Site:	59002373 SSOW#:				,	su (Yes Soil TOC	8	⊢							ł	conta		Z other (speci	(iy)
Warden WA	55077#:				Egg	rm MS/MSD (Yes Standard Soil TOC		CONTENT								of ci	Other		
				atrix '=water,	bere	alson dard		õ								ber			
			Type `s	=solid, vaste/oli	Filte	Star		TURE								Num			
Sample Identification	Sample Date	Sample Time	(C=Comp, BT	Tissue, «Air)	ield	Pertorm 9060 Stai	8011	MOIS								Total	Special In	structions/N	otas
		\sim	Preservation	the second s		X N	Settle because	4	in and in							Ń	Special III	SHUCHONS/N	ole.
SVE-Soil-May31 1Pre1	5/31/2022	1650	G	S	N	γ ×		X			Ī				<u></u>	$\left(\right)$		the state of the s	
SVE-Soil-May31 1Pre2	5/31/2022	160	G	S	N	' ×	(x	X											
SVE-Soil-May31 1Pre3	5/31/2022	1605	G	S	N	×	< x	x											
SVErSoit-May31-1Pred		1605		.		>	(×		-m							1			
SVE-Soil-May31 1DUP	5/31/2022	1530	G	s	N	×	< x	x				-							
SVE-Joll-May31-1Pr24 Trip Blanks	5/31/2022	1620	G	5	N	7	$\langle \times \rangle$	X				-							
Irin Blunks	5/31/2022	-		5	N	>	< 4	(Y.				-	590-	17643	Chain		Custody		
					Π							· _	1	<u>11040</u>		1 3			
															1	0.000			
							+												
		~			╉╋		+	+			+	_							
Possible Hazard Identification	<u>.</u>								1/ 0 50				if car				ed longer than 1	month	
	on B 🛄 Unkn		Radiological		ľ			n To (e may D		osal B					ive For	Months	
Deliverable Requested: I II III IV Other (specify)			lauloiogicai		s					Requiren			y Lab			11.67#		Wonuts	
Emply Kit Relinquished by		Date:			Time	e:						Metho	od of S	hipment:					
Relinguished by: Veral New wind MU	Date/Time: 5/31/22	17.05	Com	ĎR		Re	ceived	by:	Z				[Date/Tim	e: 5/3	1/3	27 1705	Company 14D	R
Relinquished by	Date/Time		Com		-	Re	ceived	by:	1 Bin				ī				0820	Company EVEOFINS S	BROKANE
Relinguished by:	Date/Time:	00		any			LRDC ceived		{	NICK				0¢ Date/Tim			0120	EttoFins - Company	7 * 1**
Qualady Scale Islaaty Qualady Scale Va						-					47								
Custody Seals Intact: Custody Seal No. Δ Yes Δ No			Pa	ae 12	2 of ²	13 ^{Cox}	oler Te 23	mperatu <i>と</i>	не(s) °C Сот (7	and Other	Y C	(S: -						6/2/2022	(Rev 1

Login Sample Receipt Checklist

Client: HDR Inc

Login Number: 17643 List Number: 1 Creator: Vaughan, Madison 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: 590-17643-1

List Source: Eurofins Spokane

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-17700-1

Client Project/Site: Simplot Warden

For:

HDR Inc 1401 E. Trent Ave Suite 101 Spokane, Washington 99202

Attn: Jered Newcomb

Candre Arrington

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

..... Links **Review your project** results through EOL Have a Question? Ask-The Expert

Visit us at: www.eurofinsus.com/Env This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Authorized for release by: 6/7/2022 2:14:27 PM

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
Chronicle	8
Certification Summary	10
Method Summary	11
Chain of Custody	12
Receipt Checklists	13

Job ID: 590-17700-1

Laboratory: Eurofins Spokane

Narrative

Receipt

The samples were received on 6/6/2022 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.7° C.

Receipt Exceptions

The following sample was listed on the Chain of Custody (COC); however, no sample was received: Trip Blank (590-17700-6).

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

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: 590-17700-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-17700-1	SVE-Soil-June5-1Post1	Solid	06/05/22 12:59	06/06/22 10:40
590-17700-2	SVE-Soil-June5-1Post2	Solid	06/05/22 13:23	06/06/22 10:40
590-17700-3	SVE-Soil-June5-1Post3	Solid	06/05/22 13:47	06/06/22 10:40
590-17700-4	SVE-Soil-June5-1Post4	Solid	06/05/22 14:15	06/06/22 10:40
590-17700-5	SVE-Soil-June5-Dup2	Solid	06/05/22 13:34	06/06/22 10:40

Definitions/Glossary

Client: HDR Inc Project/Site: Simplot Warden

Job ID: 590-17700-1

Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	3
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	1
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	ວ
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)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
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)	
TEA		

TEQToxicity Equivalent Quotient (Dioxin)TNTCToo Numerous To Count

Eurofins Spokane

Client Sample Results

Client: HDR Inc

Job ID: 590-17700-1

Client Sample ID: SVE-Soil-June5-1Post1 Lab Sample ID: 590-17700-1 Date Received: 06/05/22 12:59 Matrix: Solid Analyto Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.054 0.038 ug/Kg D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.054 0.038 ug/Kg D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.054 0.038 ug/Kg D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.054 0.038 ug/Kg D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.054 0.038 ug/Kg D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.054 0.038 ug/Kg D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.053 0.037	Project/Site: Simplot Warden								JOD ID. 590-	17700-1
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil Fac1.2-Dibromoethane (EDB)ND0.0540.0540.038ug/Kg00607/22 09:120607/22 10:230101Client Sample ID: SVE-Soil-June5-1Post2Lab Sample ID: 590-17700-2Matrix: SolidDate Received: 06/06/22 10:40ResultQualifierRLMDLUnitDPreparedAnalyzed01Percent Solids: 91.4Method: 8011 - EDBND0.0540.038ug/Kg006/07/22 09:1206/07/22 11:1101Percent Solids: 90.8Client Sample ID: SVE-Soil-June5-1Post3Lab Sample ID: 590-17700-3Matrix: SolidPercent Solids: 90.8Matrix: SolidDate Collected: 06/05/22 13:47ND0.0530.037ug/Kg006/07/22 09:1206/07/22 11:28011.2-Dibromoethane (EDB)ND0.0530.037ug/Kg006/07/22 09:1206/07/22 11:280111.2-Dibromoethane (EDB)ND0.0530.037ug/Kg006/07/22 09:1206/07/22 11:2811.2-Dibromoethane (EDB)ND0.0530.037ug/Kg006/07/22 09:1206/07/22 11:2811.2-Dibromoethane (EDB)ND0.0520.037ug/Kg006/07/22 09:1206/07/22 11:2811.2-Dibromoethane (EDB)ND0.0520.037ug/Kg006/07/22 09:1206/07/22 11:2811.2-Dibromoethane (EDB)ND0.052<	Date Collected: 06/05/22 12:59	June5-1	Post1				l		Matrix	x: Solid
Client Sample ID: SVE-Soil-June5-1Post2 Lab Sample ID: 590-17700-2 Date Collected: 06/05/22 13:23 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 91.4 Method: 8011 - EDB ND 0.054 MDL Unit D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.054 MDL Unit Unit D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.053 0.037 Unit D Prepared Analyzed Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.053 0.037 Unit D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.052 0.037 Unit D Prepared Analyzed Dil Fac 1.2-Dibromoethane (EDB) ND 0.052 0.037 <	Analyte		Qualifier					<u> </u>		
Date Collected: 06/05/22 13:23 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 91.4 Method: 8011 - EDB ND Qualifier RL MDL Unit D Prepared Analyzed Dill Fac 1.2-Dibromoethane (EDB) ND Qualifier RL MDL Unit D Prepared Analyzed Dill Fac 1.2-Dibromoethane (EDB) ND Qualifier RL MDL Unit D Prepared Analyzed Dill Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dill Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dill Fac Analyte ND ND 0.053 0.037 Ug/Kg 06/07/22 09:12 06/07/22 11:28 Dill Fac Client Sample ID: SVE-Soil-June5-1Post4 Lab Sample ID: 590-17700-4 Matrix: Solid Percent Solids: 89.9 Method: 8011 - EDB ND 0.052 0.037 Unit D Prepared Analyzed Dil Fac <tr< td=""><td></td><td></td><td>D = 10</td><td>0.034</td><td>0.050</td><td>ug/itg</td><td></td><td></td><td></td><td></td></tr<>			D = 10	0.034	0.050	ug/itg				
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil Fac1.2-Dibromoethane (EDB)NDND0.0540.038ug/Kg \odot 06/07/22 09:1206/07/22 11:1111Client Sample ID: SVE-Soil-June5-1Post3Lab Sample ID: 590-17700-3Matrix: SolidMatrix: SolidDate Collected: 06/05/22 13:47Matrix:Matrix:Solid: 90.8Date Received: 06/06/22 10:40Result QualifierRLMDLUnitDPreparedAnalyzedDil FacAnalyteResult QualifierNDND0.0530.037ug/Kg \odot PreparedAnalyzedDil Fac1.2-Dibromoethane (EDB)NDND0.0530.037ug/Kg \odot PreparedAnalyzedDil FacClient Sample ID: SVE-Soil-June5-1Post4Lab Sample ID: 590-17700-4Matrix: SolidNatrix: SolidNatrix: SolidDate Received: 06/06/22 10:40ND0.0520.037ug/Kg \bigcirc PreparedAnalyzedDil FacMethod: 8011 - EDBNDND0.0520.037ug/Kg \bigcirc PreparedAnalyzedDil FacAnalyteResult QualifierNDND0.052MDLUnitDPreparedAnalyzedDil FacClient Sample ID: SVE-Soil-June5-Dup2Lab Sample ID: S90-17700-5Matrix: SolidMatrix: SolidPatrix: SolidPatrix: SolidPatrix: SolidDate Collected: 06/05/22 13:34NDND0.052MDLUnitD<	Date Collected: 06/05/22 13:23	June5-1	Post2						Matrix	x: Solid
Client Sample ID: SVE-Soil-June5-1Post3 Lab Sample ID: 590-17700-3 Date Collected: 06/05/22 13:47 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 90.8 Method: 8011 - EDB ND Analyte Result Qualifier 1.2-Dibromoethane (EDB) ND Olient Sample ID: SVE-Soil-June5-1Post4 Lab Sample ID: 590-17700-4 Date Received: 06/05/22 14:15 Lab Sample ID: 590-17700-4 Method: 8011 - EDB Matrix: Solid Analyte Result Qualifier 1,2-Dibromoethane (EDB) ND 0.052 Method: 8011 - EDB Matrix: Solid Analyte Result Qualifier 1,2-Dibromoethane (EDB) ND 0.052 Method: 8011 - EDB Result Qualifier Analyte Result Qualifier 1,2-Dibromoethane (EDB) ND 0.052 ND 0.052 0.037 D OB/07/22 11:44 Dil Fac 1,2-Dibromoethane (EDB) ND 0.052 Client Sample ID: SVE-Soil-June5-Dup2 Lab Sample ID: 590-17700-5 Date Collected: 06/05/22 13:34		Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Date Collected: 06/05/22 13:47 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 90.8 Method: 8011 - EDB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1,2-Dibromoethane (EDB) ND 0.053 0.037 ug/Kg 06/07/22 09:12 Analyzed Dil Fac Client Sample ID: SVE-Soil-June5-1Post4 Lab Sample ID: 590-17700-4 Date Received: 06/05/22 14:15 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 89.9 Method: 8011 - EDB Result Qualifier Analyte Result Qualifier 1,2-Dibromoethane (EDB) ND 0.052 0.037 ug/Kg D Prepared Analyzed Dil Fac 1,2-Dibromoethane (EDB) ND 0.052 0.037 ug/Kg D Prepared Analyzed Dil Fac 1,2-Dibromoethane (EDB) ND 0.052 0.037 ug/Kg D Prepared Analyzed Dil Fac 1,2-Dibromoethane (EDB) ND 0.052 0.037 Unit D Prepared <t< td=""><td>1,2-Dibromoethane (EDB)</td><td>ND</td><td></td><td>0.054</td><td>0.038</td><td>ug/Kg</td><td>¢</td><td>06/07/22 09:12</td><td>06/07/22 11:11</td><td>1</td></t<>	1,2-Dibromoethane (EDB)	ND		0.054	0.038	ug/Kg	¢	06/07/22 09:12	06/07/22 11:11	1
1,2-Dibromoethane (EDB) ND 0.053 0.037 ug/Kg is 06/07/22 09:12 06/07/22 11:28 1 Client Sample ID: SVE-Soil-June5-1Post4 Date Collected: 06/05/22 14:15 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 89.9 Method: 8011 - EDB Result Qualifier Analyte Result Qualifier 1,2-Dibromoethane (EDB) ND 0.052 ND 0.052 0.037 Unit D Prepared Analyzed Dil Fac 1,2-Dibromoethane (EDB) ND 0.052 0.037 Unit Unit D O6/07/22 09:12 Analyzed Dil Fac Client Sample ID: SVE-Soil-June5-Dup2 Lab Sample ID: 590-17700-5 Lab Sample ID: 590-17700-5 Matrix: Solid Date Received: 06/06/22 10:40 Matrix: Solid Percent Solids: 90.8 Method: 8011 - EDB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac	Date Received: 06/06/22 10:40									
Client Sample ID: SVE-Soil-June5-1Post4 Lab Sample ID: 590-17700-4 Date Collected: 06/05/22 14:15 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 89.9 Method: 8011 - EDB Result Analyte Result 1,2-Dibromoethane (EDB) ND 0.052 0.037 ug/Kg 06/07/22 09:12 06/07/22 09:12 06/07/22 11:44 1 Client Sample ID: SVE-Soil-June5-Dup2 Date Received: 06/05/22 13:34 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 90.8 Method: 8011 - EDB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Method: 8011 - EDB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac			Qualifier							
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil Fac1,2-Dibromoethane (EDB)NDND0.0520.037ug/Kg006/07/22 09:1206/07/22 11:441Client Sample ID: SVE-Soil-June5-Dup2Lab Sample ID: 590-17700-5Matrix: SolidDate Collected: 06/05/22 13:34Date Received: 06/06/22 10:40Method: 8011 - EDBAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil Fac	Date Collected: 06/05/22 14:15	June5-1	Post4				l		Matrix	x: Solid
Client Sample ID: SVE-Soil-June5-Dup2 Lab Sample ID: 590-17700-5 Date Collected: 06/05/22 13:34 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 90.8 Method: 8011 - EDB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac	Analyte	Result	Qualifier				D	·		Dil Fac
Date Collected: 06/05/22 13:34 Matrix: Solid Date Received: 06/06/22 10:40 Percent Solids: 90.8 Method: 8011 - EDB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac	1,2-Dibromoethane (EDB)	ND		0.052	0.037	ug/Kg	¢	06/07/22 09:12	06/07/22 11:44	1
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac	Date Collected: 06/05/22 13:34	June5-D)up2				l		Matrix	x: Solid
		Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Method: 8011 - EDB

Lab Sample ID: MB 590-3641	1/2-A						CI	ient Sam	ole ID: Me	thod	Blank
Matrix: Solid									Prep Typ		
Analysis Batch: 36412									Prep B		
		MB MB							•		
Analyte	Re	sult Qualifier		RL I	MDL Unit		D	Prepared	Analyz	ed	Dil Fac
1,2-Dibromoethane (EDB)		ND	0.	.050 0	.035 ug/K	g	06/	/07/22 09:12	06/07/22 0	9:50	1
Lab Sample ID: LCS 590-364	11/3-A					Clie	ent Sa	ample ID:	Lab Con	trol Sa	ample
Matrix: Solid									Prep Typ		
Analysis Batch: 36412									Prep B		
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
1,2-Dibromoethane (EDB)			1.00	1.34		ug/Kg		134	60 - 140		
Lab Sample ID: 590-17700-1	MS					Client	Samr	ole ID: SV	E-Soil-Ju	ne5-1	Post1
Lab Sample ID: 590-17700-1 Matrix: Solid	MS					Client	Samp	ole ID: SV			
Matrix: Solid	MS					Client	Samp	ole ID: SV	Prep Typ	e: Tot	tal/NA
Matrix: Solid	MS Sample	Sample	Spike	MS	MS	Client	Samp	ole ID: SV		e: Tot	tal/NA
Matrix: Solid Analysis Batch: 36412	Sample	Sample Qualifier	Spike Added		MS Qualifier	Client :	Samp D		Prep Typ Prep B	e: Tot	tal/NA
Matrix: Solid Analysis Batch: 36412 Analyte	Sample	•	•					%Rec	Prep Typ Prep B %Rec	e: Tot	tal/NA
Matrix: Solid Analysis Batch: 36412 Analyte 1,2-Dibromoethane (EDB)	Sample Result ND	•	Added	Result		Unit ug/Kg	D	%Rec	Prep Typ Prep B %Rec Limits 60 - 140	e: Tot atch: 3	al/NA 36411
Matrix: Solid Analysis Batch: 36412 Analyte 1,2-Dibromoethane (EDB) Lab Sample ID: 590-17700-1 I	Sample Result ND	•	Added	Result		Unit ug/Kg	D	%Rec	Prep Typ Prep B %Rec Limits 60 - 140 E-Soil-Ju	ne5-1	tal/NA 36411 Post1
Matrix: Solid Analysis Batch: 36412 Analyte 1,2-Dibromoethane (EDB) Lab Sample ID: 590-17700-1 I Matrix: Solid	Sample Result ND	•	Added	Result		Unit ug/Kg	D	%Rec	Prep Typ Prep B %Rec Limits 60 - 140 E-Soil-Ju Prep Typ	ne5-1	al/NA 36411 Post1 tal/NA
Matrix: Solid Analysis Batch: 36412 Analyte 1,2-Dibromoethane (EDB) Lab Sample ID: 590-17700-1 I Matrix: Solid	Sample Result ND	Qualifier	Added	Result	Qualifier	Unit ug/Kg	D	%Rec	Prep Typ Prep B %Rec Limits 60 - 140 E-Soil-Ju	ne5-1	al/NA 36411 Post1 tal/NA
Matrix: Solid Analysis Batch: 36412 Analyte 1,2-Dibromoethane (EDB) Lab Sample ID: 590-17700-1 I	Sample Result ND MSD Sample	Qualifier	Added 1.06	Result 0.933 MSD	Qualifier	Unit ug/Kg	D	9	Prep Typ Prep B %Rec Limits 60 - 140 E-Soil-Ju Prep Typ Prep B	ne5-1	26411 Post1 tal/NA 36411

Initial

Amount

Initial

Amount

10.28 g

Initial

Amount

Final

Amount

Final

Amount

2 mL

Final

Amount

Dil

1

Dil

1

Dil

1

Factor

Factor

Factor

Run

Run

Run

Date Collected: 06/05/22 12:59

Date Received: 06/06/22 10:40

Date Collected: 06/05/22 12:59

Date Received: 06/06/22 10:40

Date Collected: 06/05/22 13:23

Date Received: 06/06/22 10:40

Prep Type

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Г

Total/NA

Batch

Туре

Analysis

Batch

Туре

Prep

Analysis

Batch

Type

Analysis

Client Sample ID: SVE-Soil-June5-1Post1

Client Sample ID: SVE-Soil-June5-1Post1

Client Sample ID: SVE-Soil-June5-1Post2

Batch

Method

Moisture

Batch

8011

8011

Batch

Method

Moisture

Method

Job ID: 590-17700-1 Lab Sample ID: 590-17700-1 Matrix: Solid Batch Prepared or Analyzed Number Analyst Lab 36397 06/06/22 11:22 NMI TAL SPK Lab Sample ID: 590-17700-1 Matrix: Solid Percent Solids: 90.4 Batch Prepared Number or Analyzed Analyst Lab 06/07/22 09:12 NMI 36411 TAL SPK 36412 06/07/22 10:23 NMI TAL SPK Lab Sample ID: 590-17700-2 Matrix: Solid Batch Prepared Number or Analyzed Analyst Lab 36397 06/06/22 11:22 NMI TAL SPK

Client Sample ID: SVE-Soil-June5-1Post2	Lab Sample ID: 590-17700-2
Date Collected: 06/05/22 13:23	Matrix: Solid
Date Received: 06/06/22 10:40	Percent Solids: 91.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			10.19 g	2 mL	36411	06/07/22 09:12	NMI	TAL SPK
Total/NA	Analysis	8011		1			36412	06/07/22 11:11	NMI	TAL SPK

Client Sample ID: SVE-Soil-June5-1Post3	
Date Collected: 06/05/22 13:47	
Date Received: 06/06/22 10:40	

Lab Sample ID: 590-17700-3 Matrix: Solid

Lab Sample ID: 590-17700-3

Lab Sample ID: 590-17700-4

ate Received: 06/06/22 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			36397	06/06/22 11:22	NMI	TAL SPK

Client Sample ID: SVE-Soil-June5-1Post3 Date Collected: 06/05/22 13:47 Date Received: 06/06/22 10:40

_ . .

. .

Matrix: Solid Percent Solids: 90.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			10.32 g	2 mL	36411	06/07/22 09:12	NMI	TAL SPK
Total/NA	Analysis	8011		1			36412	06/07/22 11:28	NMI	TAL SPK

.

Client Sample ID: SVE-Soil-June5-1Post4 Date Collected: 06/05/22 14:15 Date Received: 06/06/22 10:40

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			36397	06/06/22 11:22	NMI	TAL SPK

Eurofins Spokane

Matrix: Solid

Initial

Amount

10.65 g

Initial

Amount

Final

Amount

2 mL

Final

Amount

Batch

36411

36412

Batch

36397

Number

Number

Dil

1

Dil

1

Factor

Factor

Run

Run

Ргер Туре

Total/NA

Total/NA

Prep Type

Total/NA

Client Sample ID: SVE-Soil-June5-1Post4 Date Collected: 06/05/22 14:15 Date Received: 06/06/22 10:40

Batch

8011

8011

Batch

Method

Moisture

Method

Batch

Туре

Prep

Date Collected: 06/05/22 13:34

Date Received: 06/06/22 10:40

Analysis

Batch

Туре

Analysis

Client Sample ID: SVE-Soil-June5-Dup2

Percent Solids: 89.9

Matrix: Solid

Lab

Lab

Matrix: Solid

Percent Solids: 90.8

Lab Sample ID: 590-17700-4

Analyst

Analyst

Lab Sample ID: 590-17700-5

Prepared

or Analyzed

Prepared

or Analyzed

06/06/22 11:22 NMI

06/07/22 09:12 NMI

06/07/22 11:44 NMI

5
8
a

TAL SPK TAL SPK Lab Sample ID: 590-17700-5 Matrix: Solid TAL SPK

Client Sample ID: SVE-Soil-June5-Dup2
Date Collected: 06/05/22 13:34
Date Received: 06/06/22 10:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			10.13 g	2 mL	36411	06/07/22 09:12	NMI	TAL SPK
Total/NA	Analysis	8011		1			36412	06/07/22 12:00	NMI	TAL SPK

Laboratory References:

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

Eurofins Spokane

Laboratory: Eurofins Spokane

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

Authority		ogram	Identification Number	Expiration Date			
Washington	Sta	ate	C569	01-06-23			
The following analytes	are included in this rend	ort but the laboratory is a	not certified by the governing authority	This list may include analytes for whic			
the agency does not c	•		for contined by the governing autionty.	This list may mondee analytes for white			
• •	•	Matrix	Analyte				
the agency does not o	offer certification.		, , , , ,				

Eurofins Spokane

Method Summary

Client: HDR Inc Project/Site: Simplot Warden

Method	Method Description	Protocol	Laboratory
8011	EDB	EPA	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
8011	Microextraction	SW846	TAL 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:

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

Lasonno oponano

11922 East 1st Ave

Spokane, WA 99206

Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record

🐝 eurofins

Environment Testing America

Client Information	Sampler Blake	Urie.	Urie, RI) Lab			Rand	lee E				L.	er Tracki				COC No: 590-7430-2162.1	2	
Client Contact: Jered Newcomb	Sampler Blake Phone: 208-	340-1	305	E-M Rai	lail: ndee.A	rrinate	on@el	eurofi	nsus o	om	State	of Origi	" W/	ŀ		Page: Page 2 of 4	1.Fl	
Company:		<u> </u>	PWSID:			ingt	onagon									Job #:		
HDR Inc	Due Date Requeste	d:	L				<u> </u>	[/]	Analy	sis R	eques	sted		<u>.</u>		Preservation Cod	les	
1401 E. Trent Ave Suite 101																A HCL	M Hexané	
City: Spokane	TAT Requested (da	24 hr	(end)													B NaOH C Zn Acetate	N None O AsNaO2	
State, Zip: WA, 99202	Compliance Projec				41									1 1		D Nitric Acid E NaHSO4	P Na2O4S Q Na2SO3	
Phone: + 509-899-427	PO #:					1.										F MeOH G Amchlor	R Na2S2O3 S H2SO4	
Email:	Purchase Order WO #:	Requested	1		- ÎN											H Ascorbic Acid	T TSP Dodecat U Acetone	hydrate
jered.newcomb@hdrinc.com					S or										2		V MCAA W pH 4-5	
Project Name: Simplot Warden	Project #: 59002373				6 (K	N									containers	L EDA	Z other (specify	0
Site: Warden WA	SSOW#:				ldwes S QS	Soil TOC									of con	Other [.]		
			Sampte Type	Matrix (W=water, S=solid,	ittered n MS/N	Standard	EDB								Number			
		Sample	(C=comp,	O=waste/oll, BT=Tissue,	Field Filt Perform	60 S	1 1								Total N			
Sample Identification	Sample Date	Time	G=grab) Preservation	A=Air)		2 9060 N	8 N								_ Ĕ	Special In	structions/No	ite:
SVE-Soil-June 5-1Post1	6/5/22	1260	G	Solid	-ff							┝─╀╴			- ^	\		
	-013122	1259	+									++		┥┥	1			
JVE-Soll-June 5-1Post2		1323	┼ ┼──┼-	Solid	M	17	1											
OVE-Joil-Juneh-170st3		1347		Solid	<u>_</u>	<u> </u> ×	- X			<u> </u>								
SVE-Joil-June 5-193+3 SVE-Joil-June 5-1903+4		1415		Solid	N	X	X								-			
SVE-501 - June 5 - D11/2	√	1334	Ψ	Solid	N	X	1×1											
Trip Blank			G	Solid	N	×												
				Solid								1	1 (60)	FECTION	• •			
				Solid		1											I MM	
				Solid	++		┼╌┼					┢						
					++							ŀ						
				Solid								L .	_590-	17700	Chain	of Custody		
				Solid	Ц_	<u> </u>			<u> </u>									
Possible Hazard Identification			Dodiologiaal		s			osal (To Cli		may be	e asse: Dispo	ssed if	sampi	les are	retair	ne <mark>d longer than</mark> : hive For	Month)	
Deliverable Requested: I, II III IV Other (specify)	DISON B UNKIN		Radiological		s	r oecial	Instru	ictions/	en /QC Re	equiren	nents ·		J	lerd	AICI TAG		WORRIS	
Empty Kit Relinquished by		Date:	· · · · · · · · · · · · · · · · · · ·		Time				/ /			Method	Shin. of Shipr	九 _亿 九 neni:	14]		
Relinquished by	Date/Time:	,	i ca	ompany			eiyes by	r. T /	-								Company	
Relinquished by:	06/0	~/2	1545	HUR		4	101.	Var	\mathcal{N}	-				16/2	22	10.40	Company EET SPC	<u>></u>
Relinguished by:	Date/Time:		C	ompany		Reci	eived by	r. /					Date	e/Time:			Company	
Relinquished by:	Date/Time:		C	ompany		Rec	eived by	<i>r</i> :					Date	e/Time:			Company	
Custody Seals Intact. Custody Seal No 7666	17		F	Page 12	2 of 1		ler Tem	perature	(s) °C an	d Olher I	Remarks	:	ġ.	7°C	-	Corty IRa	06 6/7	7/2022
\checkmark \land																		

Login Sample Receipt Checklist

Client: HDR Inc

Login Number: 17700 List Number: 1 Creator: Vaughan, Madison 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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	

List Source: Eurofins Spokane

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-17643-2

Client Project/Site: Simplot Warden

For:

HDR Inc 1401 E. Trent Ave Suite 101 Spokane, Washington 99202

Attn: Jered Newcomb

Candre Arrington

Authorized for release by: 6/13/2022 3:40:16 PM

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

<section-header><section-header><text><text><text>

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
Chronicle	8
Certification Summary	9
Method Summary	11
Chain of Custody	12
Receipt Checklists	13

Job ID: 590-17643-2

Laboratory: Eurofins Spokane

Narrative

Receipt

The samples were received on 6/1/2022 8:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.4° C.

General Chemistry

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: 590-17643-2

4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-17643-1	SVE-Soil-May31-1Pre1	Solid	05/31/22 15:50	06/01/22 08:20
590-17643-2	SVE-Soil-May31-1Pre2	Solid	05/31/22 16:10	06/01/22 08:20
590-17643-3	SVE-Soil-May31-1Pre3	Solid	05/31/22 16:05	06/01/22 08:20
590-17643-4	SVE-Soil-May31-1DUP	Solid	05/31/22 15:30	06/01/22 08:20
590-17643-5	SVE-Soil-May31-1Pre4	Solid	05/31/22 16:20	06/01/22 08:20

Qualifiers

General Chemistry Qualifier Description

Qualifier	
F 0	Î

F2	MS/MSD RPD exceeds control limits	
Glossary		5
Abbreviation	These commonly used abbreviations may or may not be present in this report.	6
¤	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	0
CNF	Contains No Free Liquid	0
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	9
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: 590-17643-2

Client Sample ID: SVE-Soil-May31-1Pre1 Date Collected: 05/31/22 15:50 Date Received: 06/01/22 08:20 General Chemistry Analyte Result Qualifier Total Organic Carbon 1400 F2 Client Sample ID: SVE-Soil-May31-1Pre2 Date Collected: 05/31/22 16:10 Date Received: 06/01/22 08:20 General Chemistry Result Qualifier Total Organic Carbon 2300 Qualifier Client Sample ID: SVE-Soil-May31-1Pre3 Date Collected: 05/31/22 16:05 Date Received: 06/01/22 08:20 Client Sample ID: SVE-Soil-May31-1Pre3 Date Collected: 05/31/22 16:05 Date Received: 06/01/22 08:20 General Chemistry Result Qualifier Total Organic Carbon Result Qualifier Total Organic Carbon 1500 Client Sample ID: SVE-Soil-May31-1DUP	RL 300 RL 300 RL	100	Unit mg/Kg Unit mg/Kg	D	Prepared ab Samp Prepared	Analyzed 06/10/22 00:23 Ie ID: 590-17 Matrix Analyzed 06/10/22 02:31 Ie ID: 590-17	x: Solid <u>Dil Fac</u> 1 7643-2 x: Solid <u>Dil Fac</u> 1
AnalyteResultQualifierTotal Organic Carbon1400F2Client Sample ID: SVE-Soil-May31-1Pre2Date Collected:05/31/22Date Received:06/01/2208:20General Chemistry Analyte Total Organic CarbonResult 2300QualifierClient Sample ID:SVE-Soil-May31-1Pre3Date Collected:05/31/2216:05Date Received:06/01/2208:20Client Sample ID:SVE-Soil-May31-1Pre3Date Collected:05/31/2216:05Date Received:06/01/2208:20General Chemistry Analyte Total Organic CarbonResult 1500Qualifier	300 RL 300	100	mg/Kg Unit	<u>D</u>	ab Samp	06/10/22 00:23 le ID: 590-17 Matrix Analyzed 06/10/22 02:31 le ID: 590-17	1 7643-2 x: Solid <u>Dil Fac</u> 1 7643-3
Client Sample ID: SVE-Soil-May31-1Pre2 Date Collected: 05/31/22 16:10 Date Received: 06/01/22 08:20 General Chemistry Analyte Total Organic Carbon Client Sample ID: SVE-Soil-May31-1Pre3 Date Collected: 05/31/22 16:05 Date Received: 06/01/22 08:20 General Chemistry Analyte Result Collected: 05/31/22 16:05 Date Received: 06/01/22 08:20 General Chemistry Analyte Total Organic Carbon Total Organic Carbon	300	MDL	Unit	<u>D</u>	Prepared	Matri: <u>Analyzed</u> 06/10/22 02:31 le ID: 590-17	Dil Fac 1 7643-3
Analyte Result Qualifier Total Organic Carbon 2300 Qualifier Client Sample ID: SVE-Soil-May31-1Pre3 Date Collected: 05/31/22 16:05 Date Received: 06/01/22 08:20 General Chemistry Result Qualifier Analyte Result Qualifier Total Organic Carbon 1500 Qualifier	300					06/10/22 02:31	¹ 7 643-3
Client Sample ID: SVE-Soil-May31-1Pre3 Date Collected: 05/31/22 16:05 Date Received: 06/01/22 08:20 General Chemistry Analyte Result Total Organic Carbon 1500		100	mg/Kg	L	ab Samp	le ID: 590-17	7643-3
Date Collected: 05/31/22 16:05 Date Received: 06/01/22 08:20General Chemistry Analyte Total Organic CarbonResult 1500Qualifier	RL			L	ab Samp		
Total Organic Carbon 1500		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Client Sample ID: SVE-Soil-May31-1DUP	300		mg/Kg			06/10/22 02:43	1
Date Collected: 05/31/22 15:30 Date Received: 06/01/22 08:20				L	ab Sampl	le ID: 590-17 Matrix	7643-4 x: Solid
General Chemistry Analyte Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon 1700	300	100	mg/Kg			06/10/22 02:56	1
Client Sample ID: SVE-Soil-May31-1Pre4 Date Collected: 05/31/22 16:20 Date Received: 06/01/22 08:20				L	ab Sampl	le ID: 590-17 Matrix	7643-5 x: Solid
General Chemistry Analyte Result Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon 1900	300		mg/Kg		Tiepaieu	06/10/22 03:09	

Job ID: 590-17643-2

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 410-26 Matrix: Solid Analysis Batch: 264133	4133/38								C	Clie	nt Sam	ple ID: M Prep Ty		
		MB MB												
Analyte	Re	sult Qualif	ier	RL	I	MDL	Unit		D	Pr	repared	Analyz	zed	Dil Fac
Total Organic Carbon		ND		300		100	mg/Kg	J				06/10/22	00:11	1
Lab Sample ID: LCS 410-20 Matrix: Solid	64133/37							Clie	ent \$	San	nple ID	: Lab Cor Prep Ty		
Analysis Batch: 264133			0									%Rec		
Analyta			Spike Added		Result	LCS		Unit		D	%Rec	%Rec Limits		
Analyte Total Organic Carbon			3810		5730	Qua	liller	mg/Kg		-	150	50 - 153		
Lab Sample ID: 590-17643- Matrix: Solid Analysis Batch: 264133	1 MS							Client	t Sai	mp	le ID: S	VE-Soil-N Prep Ty	-	
	Sample	Sample	Spike		MS	MS						%Rec		
Analyte	Result	Qualifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Total Organic Carbon	1400	F2	4220		4650			mg/Kg		_	77	50 - 153		
Lab Sample ID: 590-17643- Matrix: Solid Analysis Batch: 264133	1 MSD							Client	t Sai	mp	le ID: S	VE-Soil-N Prep Ty	-	
-	Sample	Sample	Spike		MSD	MSE	כ					%Rec		RPD
Analyte	Result	Qualifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
Total Organic Carbon	1400	F2	4560		7080	F2		mg/Kg		_	125	50 - 153	41	20

Client Sam Date Collecte Date Receive	d: 05/31/22 1	5:50	31-1Pre1				L	ab Sample		-17643-′ itrix: Solic
Prep Type Total/NA	Batch Type Analysis	Batch Method 9060A	Run	Dil Factor	Initial Amount	Final Amount	Batch Number 264133	Prepared or Analyzed 06/10/22 00:23	Analyst P684	Lab ELLE
Client Sam Date Collecte Date Receive	d: 05/31/22 1	6:10	31-1Pre2				L	ab Sample		-17643- trix: Soli
Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1			264133	06/10/22 02:31	P684	ELLE
Date Collecte Date Receive	d: 05/31/22 1 d: 06/01/22 0	8:20	31-1Pre3		Initial	Final		ab Sample		
Date Collecte Date Receive Prep Type	d: 05/31/22 1 d: 06/01/22 0 Batch Type	6:05 8:20 Batch Method	<u>Run</u>	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Ma Analyst	trix: Soli
Date Collecte Date Receive	d: 05/31/22 1 d: 06/01/22 0 Batch	6:05 8:20 Batch		Dil			Batch	Prepared	Ma Analyst	itrix: Soli
Date Collecte Date Receive Prep Type	d: 05/31/22 1 d: 06/01/22 0 Batch Type Analysis ple ID: SVE d: 05/31/22 1	6:05 8:20 Batch <u>Method</u> 9060A E-Soil-May 5:30	<u>Run</u>	Dil Factor			Batch Number 264133	Prepared or Analyzed	Ma Analyst P684 ID: 590	Lab ELLE -17643-
Date Collecte Date Receive Prep Type Total/NA Client Sam Date Collecte	d: 05/31/22 1 d: 06/01/22 0 Batch Type Analysis ple ID: SVE d: 05/31/22 1	6:05 8:20 Batch <u>Method</u> 9060A E-Soil-May 5:30	<u>Run</u>	Dil Factor			Batch Number 264133	Prepared or Analyzed 06/10/22 02:43	Ma Analyst P684 ID: 590	trix: Soli
Date Collecte Date Receive Prep Type Total/NA Client Sam Date Collecte	d: 05/31/22 1 d: 06/01/22 0 Batch Type Analysis ple ID: SVE d: 05/31/22 1 d: 06/01/22 0	6:05 8:20 Batch 9060A E-Soil-May 5:30 8:20	<u>Run</u>	Dil Factor 1	Amount	Amount	Batch Number 264133	Prepared or Analyzed 06/10/22 02:43 ab Sample	Ma Analyst P684 ID: 590	Lab ELLE -17643-
Date Collecte Date Receive Prep Type Total/NA Client Sam Date Collecte Date Receive	d: 05/31/22 1 d: 06/01/22 0 Batch <u>Type</u> Analysis ple ID: SVE d: 05/31/22 1 d: 06/01/22 0 Batch	6:05 8:20 Batch 9060A E-Soil-May 5:30 8:20 Batch	<u>Run</u> 31-1DUP	Dil Factor 1 Dil	Amount	Amount	Batch Number 264133	Prepared or Analyzed 06/10/22 02:43 ab Sample Prepared	Ma Analyst P684 ID: 590 Ma	Lab ELLE -17643- ttrix: Soli
Date Collecte Date Receive Prep Type Total/NA Client Sam Date Collecte Date Receive	d: 05/31/22 1 d: 06/01/22 0 Batch Type Analysis ple ID: SVE d: 05/31/22 1 d: 06/01/22 0 Batch Type Analysis ple ID: SVE d: 05/31/22 1	6:05 8:20 Batch 9060A E-Soil-May 5:30 8:20 Batch Method 9060A E-Soil-May 6:20	<u>Run</u> 31-1DUP	Dil Factor 1 Dil Factor 1	Amount	Amount	Batch Number 264133 L Batch Number 264133	Prepared or Analyzed 06/10/22 02:43 ab Sample Prepared or Analyzed	Ma <u>Analyst</u> P684 ID: 590 Ma <u>Analyst</u> P684 ID: 590	Lab ELLE -17643- htrix: Soli Lab ELLE -17643-
Date Collecte Date Receive Total/NA Client Sam Date Collecte Date Receive Total/NA Prep Type Total/NA Client Sam Date Collecte	d: 05/31/22 1 d: 06/01/22 0 Batch Type Analysis ple ID: SVE d: 05/31/22 1 d: 06/01/22 0 Batch Type Analysis ple ID: SVE d: 05/31/22 1	6:05 8:20 Batch 9060A E-Soil-May 5:30 8:20 Batch Method 9060A E-Soil-May 6:20	<u>Run</u> 31-1DUP	Dil Factor 1 Dil Factor 1	Amount	Amount	Batch Number 264133 L Batch Number 264133	Prepared or Analyzed 06/10/22 02:43 ab Sample Prepared or Analyzed 06/10/22 02:56	Ma <u>Analyst</u> P684 ID: 590 Ma <u>Analyst</u> P684 ID: 590	Lab ELLE -17643- htrix: Soli Lab ELLE
Date Collecte Date Receive Total/NA Client Sam Date Collecte Date Receive Total/NA Prep Type Total/NA Client Sam Date Collecte	d: 05/31/22 1 d: 06/01/22 0 Batch Type Analysis ple ID: SVE d: 05/31/22 1 d: 06/01/22 0 Batch Type Analysis ple ID: SVE d: 05/31/22 1 d: 05/31/22 1 d: 06/01/22 0	6:05 8:20 Batch 9060A E-Soil-May 5:30 8:20 Batch Method 9060A E-Soil-May 6:20 8:20	<u>Run</u> 31-1DUP	Dil Factor 1 Dil Factor 1	Amount Initial Amount	Amount Final Amount	Batch Number 264133 L Batch Number 264133 L	Prepared or Analyzed 06/10/22 02:43 ab Sample Prepared or Analyzed 06/10/22 02:56 ab Sample	Ma P684 ID: 590 Ma Analyst P684 ID: 590 Ma Analyst	Lab ELLE -17643- htrix: Soli Lab ELLE -17643-

Lab Chronicle

Laboratory References:

Client: HDR Inc

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Job ID: 590-17643-2

Accreditation/Certification Summary

Client: HDR Inc Project/Site: Simplot Warden Job ID: 590-17643-2

5 6 7

9

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-22
A2LA	ISO/IEC 17025	0001.01	11-30-22
Alaska	State	PA00009	06-30-22
Alaska (UST)	State	17-027	02-28-23
Arizona	State	AZ0780	03-12-23
Arkansas DEQ	State	88-0660	08-10-22
California	State	2792	11-30-22
Colorado	State	PA00009	06-30-22
Connecticut	State	PH-0746	06-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-23
Delaware (DW)	State	N/A	01-31-23
Florida	NELAP	E87997	06-30-22
Georgia (DW)	State	C048	01-31-23
ławaii	State	N/A	01-31-23
linois	NELAP	200027	01-31-23
DWa	State	361	03-02-22 *
Kansas	NELAP	E-10151	10-31-22
Kentucky (DW)	State	KY90088	12-31-22
Centucky (UST)	State	1.01	11-30-22
	State	KY90088	01-01-23
Kentucky (WW) .ouisiana	NELAP	02055	06-30-22
		2019012	03-12-23
	State		
/laryland	State	100	06-30-22
/lassachusetts	State	M-PA009	06-30-22
Aichigan	State	9930	01-31-23
/linnesota	NELAP	042-999-487	12-31-22
<i>l</i> issouri	State	450	01-31-25
/lontana (DW)	State	0098	01-01-23
<i>I</i> ontana (UST)	State	<cert no.=""></cert>	02-01-23
lebraska	State	NE-OS-32-17	01-31-23
lew Hampshire	NELAP	2730	01-10-23
lew Jersey	NELAP	PA011	06-30-22
lew York	NELAP	10670	04-01-23
lorth Carolina (DW)	State	42705	07-31-22
North Carolina (WW/SW)	State	521	12-31-22
North Dakota	State	R-205	01-31-23
Oklahoma	NELAP	R-205	08-31-22
Dregon	NELAP	PA200001	09-11-22
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-23
Rhode Island	State	LAO00338	12-30-22
South Carolina	State	89002	01-31-23
ennessee	State	02838	01-31-23
exas	NELAP	T104704194-21-40	08-31-22
JSDA	US Federal Programs	P330-19-00197	07-03-22
/ermont	State	VT - 36037	10-28-22
/irginia	NELAP	460182	06-14-22
Vashington	State	C457	04-11-23
Vest Virginia (DW)	State	9906 C	12-31-22
Vest Virginia (DVV)	State	055	07-01-22

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

Eurofins Spokane

Accreditation/Certification Summary

Client: HDR Inc Project/Site: Simplot Warden Job ID: 590-17643-2

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)							
All accreditations/certifications	held by this laboratory are listed. Not all accre	ditations/certifications are applicable to	o this report.				
Authority	Brogrom	Identification Number	Expiration Data				

Authority	Program	Identification Number	Expiration Date
Wyoming	State	8TMS-L	01-31-23
Wyoming (UST)	A2LA	1.01	11-30-22

13-2	1 2 3 4
	5
	6
	7
	8
	9
	10
	11
	12

Method	Method Description	Protocol	Laboratory
9060A	Organic Carbon, Total (TOC)	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Spokane

Eurofins Spokane 11922 East 1st Ave

Spokane, WA 99206

Chain of Custody Record



🔅 eurofins **Environment Testing** America

Phone: 509-924-9200 Fax: 509-924-9290				_														_		
Client Information (Sub Contract Lab)	Sampler:				PM: ingto	n, R	ande	ee E				0	Carrier T	racking	No(s):			COC No: 590-6854.1		
Client Contact: Shipping/Receiving	Phone:			E-M Ra		Arri	ingto	on@et.	eurofi	nsus.	com		State of Washin					Page: Page 1 of 1		
Company: Eurofins Lancaster Laboratories Environm								s Require shingto		a note):								Job #: 590-17643-2		
Address: 2425 New Holland Pike, ,	Due Date Request	14/2021	-							Anal	ysis	is Requested					- 1	A - HCL M - Hexane		
City: Lancaster	TAT Requested (da	ays):				1											12:40	B - NaOH C - Zn Acetate	N - None O - AsNaO2 P - Na2O4S	
State, Zip: PA, 17601	100 1																	D - Nitric Acid E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3 S - H2SO4	
Phone: 717-656-2300(Tel)	PO #: WO #:				(o)													G - Amchlor H - Ascorbic Acid I - Ice	T - TSP Dodecahy U - Acetone	drate
Email:					s or P	(oN											so 1	J - DI Water K - EDTA	V - MCAA W - pH 4-5	
Project Name: Simplot Warden	Project #: 59002373				łe (Ye	es or	thod										ntain	L - EDA	Y - Trizma Z - other (specify)	
Site:	SSOW#:				Samp	MS/MSD (Yes or No)	cal Me										of co	Other:		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time		Matrix (w=water, S=solid, O=wastaroli, BT=Tissue, A=A	Field Filtered Sample (Yes or No	Perform MS/M	9060/ (MOD) Local Method										Total Number	Special In:	structions/Note	9:
	\geq	\geq	Preserva	tion Code:	X	X											X		\sim	
SVE-Soil-May31-1Pre1 (590-17643-1)	5/31/22	15:50 Pacific		Solid			х										1			
SVE-Soil-May31-1Pre1 (590-17643-1MS)	5/31/22	15:50 Pacific	MS	Solid			X							_			1			
SVE-Soil-May31-1Pre1 (590-17643-1MSD)	5/31/22	15:50 Pacific	MSD	Solid			Х										1			
SVE-Soil-May31-1Pre2 (590-17643-2)	5/31/22	16:10 Pacific		Solid			X										1			
SVE-Soil-May31-1Pre3 (590-17643-3)	5/31/22	16:05 Pacific		Solid			x										1			
SVE-Soil-May31-1DUP (590-17643-4)	5/31/22	15:30 Pacific		Solid			X										1			
SVE-Soil-May31-1Pre4 (590-17643-5)	5/31/22	16:20 Pacific		Solid			X										1			
Note: Since laboratory accreditations are subject to change, Eurolins Environme does not currently maintain accreditation in the State of Origin listed above for a status should be brought to Eurolins Environment Testing Northwest, LLC attent	nalysis/tests/matrix be	ing analyzed, t	he samples mu	st be shipped	back	to the	e Euro	ofins Env	ironm	ent Test	ing Nor	thwest	LLC la	borator	or other in	nstruction	ns will	Il be provided. Any ch	nances to accreditat	iboratory
Possible Hazard Identification						Sar		e Disp o Return			may [isposa					e <mark>d longer than 1</mark> ive For		
Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	rable Rank:	2		-	Spe	_	Instruc		-	lequir			і ву L	aD	-	trcni	ive For	Months	
Empty Kit Relinguished/by:		Date:			Ti	me:			_	_	_	_	м	ethod o	I Shipment	:	_			-
Relinquished bill Van Ch	Date/Tiple;	6/12	ZITA	Company	sr.		Rece	eived by:						-	Date/Tim	ne:	_		Company	
Relinquished by:	Date/Time:			Company			Race	eived by:				_			Date/Tim	ne:	/		Company	
Relinguished by:	Date/Time:	/		Company			Rect	elved by:	6)			Date	2/1	22	- 1/21	Company	
Custody Seals Intact: Custody Seal No.:							Cool	ler Temp	eratum	(e) °C (Ind Oth	er Ren	narks:	4.	41	1				

Ver: 06/08/2021 6/13/2022

Login Sample Receipt Checklist

Client: HDR Inc

Login Number: 17643 List Number: 1 Creator: Vaughan, Madison 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: 590-17643-2

List Source: Eurofins Spokane

Login Sample Receipt Checklist									
Client: HDR Inc	Job Number: 590-17643-2	3							
Login Number: 17643	List Source: Eurofins Lancaster Laboratories Environment Testing, LLC	4							
List Number: 2 Creator: McCaskey, Jonathan	List Creation: 06/02/22 11:31 AM	5							
Question	Answer Comment	6							
The cooler's custody seal is intact.	True								
The cooler or samples do not appear to have been compromised tampered with.	l or True	7							
Samples were received on ice.	True	8							
Cooler Temperature is acceptable (=6C, not frozen).</td <td>True</td> <td></td>	True								
Cooler Temperature is recorded.	True	9							
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td>40</td>	N/A	40							
WV: Container Temperature is recorded.	N/A	10							
COC is present.	True	11							
COC is filled out in ink and legible.	True								

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (=6C, not frozen).</td <td>True</td> <td></td>	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td></td>	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-17700-2

Client Project/Site: Simplot Warden

For:

HDR Inc 1401 E. Trent Ave Suite 101 Spokane, Washington 99202

Attn: Jered Newcomb

Candre Arrington

Authorized for release by: 6/17/2022 10:35:32 AM

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

LINKS Review your project results through EOL Have a Question? Ask The Expert Visit us at: www.eurofinsus.com/Env

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
Chronicle	8
Certification Summary	9
Method Summary	11
Chain of Custody	12
Receipt Checklists	14

Job ID: 590-17700-2

Laboratory: Eurofins Spokane

Narrative

Receipt

The samples were received on 6/6/2022 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.7° C.

General Chemistry

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: 590-17700-2

Lab Sample ID	Client Sample ID	Matrix	Collected	
590-17700-1	SVE-Soil-June5-1Post1	Solid	06/05/22 12:59	
590-17700-2	SVE-Soil-June5-1Post2	Solid	06/05/22 13:23	
590-17700-3	SVE-Soil-June5-1Post3	Solid	06/05/22 13:47	06/06/22 10:40
590-17700-4	SVE-Soil-June5-1Post4	Solid	06/05/22 14:15	
590-17700-5	SVE-Soil-June5-Dup2	Solid	06/05/22 13:34	

Definitions/Glossary

Client: HDR Inc Project/Site: Simplot Warden

Job ID: 590-17700-2

Glossary		3
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	Δ
%R	Percent Recovery	
CFL	Contains Free Liquid	5
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)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
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)	
TEO		

- TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

Client Sample Results

Client: HDR Inc

Job ID: 590-17700-2

Client Sample ID: SVE-Soil Date Collected: 06/05/22 12:59 Date Received: 06/06/22 10:40	-June5-1	Post1				La	ab Sampl	e ID: 590-17 Matrix	7 700-1 c: Solid
General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1500		300	100	mg/Kg			06/15/22 20:44	1
Client Sample ID: SVE-Soil Date Collected: 06/05/22 13:23 Date Received: 06/06/22 10:40	-June5-1	Post2				La	ab Sampl	e ID: 590-17 Matrix	7 700-2 c: Solid
General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1400		300	100	mg/Kg			06/15/22 20:57	1
Date Received: 06/06/22 10:40 General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
							-		
Total Organic Carbon	1200		300	100	mg/Kg			06/15/22 21:10	1
Total Organic Carbon Client Sample ID: SVE-Soil Date Collected: 06/05/22 14:15 Date Received: 06/06/22 10:40		Post4	300	100	mg/Kg	L	ab Sampl	e ID: 590-17	1
Client Sample ID: SVE-Soil Date Collected: 06/05/22 14:15 Date Received: 06/06/22 10:40	-June5-1	Post4 Qualifier	300 RL	100		L: D		e ID: 590-17 Matrix	1 700-4
Client Sample ID: SVE-Soil Date Collected: 06/05/22 14:15 Date Received: 06/06/22 10:40	-June5-1			MDL			ab Sampl	e ID: 590-17	1 7700-4 c: Solid
Client Sample ID: SVE-Soil Date Collected: 06/05/22 14:15 Date Received: 06/06/22 10:40 General Chemistry Analyte	-June5-1 Result 1200	Qualifier	RL	MDL	Unit	D	Prepared	e ID: 590-17 Matrix <u>Analyzed</u> 06/15/22 21:22 e ID: 590-17	1 7700-4 c: Solid Dil Fac
Client Sample ID: SVE-Soil Date Collected: 06/05/22 14:15 Date Received: 06/06/22 10:40 General Chemistry Analyte Total Organic Carbon Client Sample ID: SVE-Soil Date Collected: 06/05/22 13:34	-June5-1 Result 1200 -June5-E	Qualifier	RL	MDL	Unit mg/Kg	D	Prepared	e ID: 590-17 Matrix <u>Analyzed</u> 06/15/22 21:22 e ID: 590-17	1 7700-4 c: Solid

Job ID: 590-17700-2

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 410-266079/10 Matrix: Solid Analysis Batch: 266079									C	Clie	nt Sam	ple ID: Metho Prep Type: `		
	MB	МВ												
Analyte	Result	Qualifier		RL	I	MDL	Unit		D	Pr	epared	Analyzed	Dil I	Fac
Total Organic Carbon	ND			300		100	mg/Kg	J				06/15/22 17:33	3	1
Lab Sample ID: MB 410-266079/39 Matrix: Solid									C	Clie	nt Sam	ple ID: Metho Prep Type: `		
Analysis Batch: 266079	МВ	мв												
Analyte		Qualifier		RL	1	MDL	Unit		D	Pr	epared	Analyzed	Dil I	Fac
Total Organic Carbon	ND			300		100	mg/Kg	J				06/15/22 23:42	2	1
Lab Sample ID: LCS 410-266079/38 Matrix: Solid Analysis Batch: 266079								Clie	ent \$	San	nple ID	Lab Control Prep Type:		
Analysis Baton: 200010			Spike		LCS	LCS	5					%Rec		
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Total Organic Carbon			3810		2630			mg/Kg		_	69	50 - 153		_
Lab Sample ID: LCS 410-266079/9 Matrix: Solid Analysis Batch: 266079								Clie	ent S	San	nple ID	: Lab Control Prep Type: `		
			Spike		LCS	LCS	5					%Rec		
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Total Organic Carbon			3810		4360			mg/Kg		_	114	50 - 153		

Client Sam Date Collecte Date Receive		2:59	e5-1Post	1			L	ab Sample		-17700-1 atrix: Solic
Ргер Туре	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1			266079	06/15/22 20:44	P684	ELLE
Client Sam Date Collecte Date Receive	d: 06/05/22 1	3:23	e5-1Post	2			L	ab Sample		-17700-2 atrix: Solie
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis			1			266079	06/15/22 20:57	-	ELLE
		0:40							Ма	atrix: Soli
									Ма	atrix: Soli
	d: 06/06/22 1	0:40		Dil	Initial	Final	Batch	Propared	Ма	atrix: Soli
Date Receive	d: 06/06/22 1 Batch	0:40 Batch	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed		atrix: Soli
	d: 06/06/22 1	0:40	<u>Run</u>	Dil Factor	Initial Amount	Final Amount	Batch <u>Number</u> 266079	Prepared or Analyzed 06/15/22 21:10	Analyst	Lab ELLE
Date Receive Prep Type	d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1	0:40 Batch 9060A E-Soil-June 4:15		Factor			Number 266079	or Analyzed	Analyst P684 ID: 590	Lab ELLE -17700-
Date Receive Prep Type Total/NA Client Sam Date Collecte	d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1	0:40 Batch 9060A E-Soil-June 4:15		Factor			Number 266079	or Analyzed 06/15/22 21:10	Analyst P684 ID: 590	Lab ELLE -17700-
Date Receive Prep Type Total/NA Client Sam Date Collecte	d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1 d: 06/06/22 1	0:40 Batch 9060A E-Soil-June 4:15 0:40		Factor 1	Amount	Amount	Number 266079	or Analyzed 06/15/22 21:10 ab Sample	Analyst P684 ID: 590	- Lab ELLE -17700
Date Receive Prep Type Total/NA Client Sam Date Collecte Date Receive	d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1 d: 06/06/22 1 Batch	0:40 Batch 9060A E-Soil-June 4:15 0:40 Batch	95-1Post	Factor 1 4 Dil	Amount	Amount	Number 266079 L Batch	or Analyzed 06/15/22 21:10 ab Sample Prepared	Analyst P684 ID: 590 Ma Analyst	Lab ELLE -17700- atrix: Soli
Prep Type Total/NA Client Sam Date Collecte Date Receive Prep Type	d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1 d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1	0:40 Batch 9060A E-Soil-June 4:15 0:40 Batch Method 9060A E-Soil-June 3:34	e5-1Post4	Factor 1 4 Dil Factor	Amount	Amount	Number 266079 L Batch Number 266079	or Analyzed 06/15/22 21:10 ab Sample Prepared or Analyzed	Analyst P684 ID: 590 Ma Analyst P684 ID: 590	Lab ELLE -17700- atrix: Soli Lab ELLE -17700-
Date Receive Prep Type Total/NA Client Sam Date Collecte Date Receive Prep Type Total/NA Client Sam Date Collecte	d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1 d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1	0:40 Batch 9060A E-Soil-June 4:15 0:40 Batch Method 9060A E-Soil-June 3:34	e5-1Post4	Factor 1 4 Dil Factor	Amount	Amount	Number 266079 L Batch Number 266079	or Analyzed 06/15/22 21:10 ab Sample Prepared or Analyzed 06/15/22 21:22	Analyst P684 ID: 590 Ma Analyst P684 ID: 590	Lab ELLE -17700-4 atrix: Solia
Date Receive Prep Type Total/NA Client Sam Date Collecte Date Receive Prep Type Total/NA Client Sam Date Collecte	d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1 d: 06/06/22 1 Batch Type Analysis ple ID: SVE d: 06/05/22 1 d: 06/05/22 1 d: 06/05/22 1	0:40 Batch 9060A E-Soil-June 4:15 0:40 Batch Method 9060A E-Soil-June 3:34 0:40	e5-1Post4	Factor 1 4 Dil Factor 1	Amount Initial Amount	Amount Final Amount	Number 266079 L Batch Number 266079 L	or Analyzed 06/15/22 21:10 ab Sample Prepared or Analyzed 06/15/22 21:22 ab Sample	Analyst P684 ID: 590 Ma Analyst P684 ID: 590	Lab ELLE -17700 atrix: So Lab ELLE -17700

Lab Chronicle

Laboratory References:

Client: HDR Inc

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Job ID: 590-17700-2

Accreditation/Certification Summary

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Client: HDR Inc Project/Site: Simplot Warden Job ID: 590-17700-2

5

9

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-22
A2LA	ISO/IEC 17025	0001.01	11-30-22
Alaska	State	PA00009	06-30-22
Alaska (UST)	State	17-027	02-28-23
Arizona	State	AZ0780	03-12-23
Arkansas DEQ	State	88-0660	08-10-22
California	State	2792	11-30-22
Colorado	State	PA00009	06-30-22
Connecticut	State	PH-0746	06-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-23
Delaware (DW)	State	N/A	01-31-23
Florida	NELAP	E87997	06-30-22
Georgia (DW)	State	C048	01-31-23
Hawaii	State	N/A	01-31-23
Illinois	NELAP	200027	01-31-23
lowa	State	361	03-02-22 *
Kansas	NELAP	E-10151	10-31-22
Kentucky (DW)	State	KY90088	12-31-22
Kentucky (UST)	State	1.01	11-30-22
Kentucky (WW)	State	KY90088	01-01-23
Louisiana	NELAP	02055	06-30-22
Vaine	State	2019012	03-12-23
Maryland	State	100	06-30-22
Massachusetts	State	M-PA009	06-30-22
Michigan	State	9930	01-31-23
Vinnesota	NELAP	9930 042-999-487	12-31-22
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-23
Montana (UST)	State	<cert no.=""></cert>	02-01-23
Nebraska	State	NE-OS-32-17	01-31-23
New Hampshire	NELAP	2730	01-10-23
New Jersey	NELAP	PA011	06-30-22
New York	NELAP	10670	04-01-23
North Carolina (DW)	State	42705	07-31-22
()	State	521	12-31-22
North Carolina (WW/SW) North Dakota	State	521 R-205	
			01-31-23
Oklahoma		R-205	08-31-22
	NELAP	PA200001	09-11-22
PALA	Canada	1978	09-16-24
Pennsylvania Rhada laland	NELAP	36-00037	01-31-23
Rhode Island	State	LAO00338	12-30-22
South Carolina	State	89002	01-31-23
Tennessee	State	02838	01-31-23
Texas	NELAP	T104704194-21-40	08-31-22
USDA	US Federal Programs	P330-19-00197	07-03-22
Vermont	State	VT - 36037	10-28-22
Virginia	NELAP	460182	06-15-23
Washington	State	C457	04-11-23
West Virginia (DW)	State	9906 C	12-31-22
West Virginia DEP	State	055	07-01-22

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

Eurofins Spokane

Accreditation/Certification Summary

Client: HDR Inc Project/Site: Simplot Warden Job ID: 590-17700-2

Laboratory: Eurofi	ins Lancaster Laboratories Er	vironment Testing, LLC	(Continued)
All accreditations/certifications	s held by this laboratory are listed. Not all accre	editations/certifications are applicable to	o this report.
Authority		Identification Number	Evaluation Data

Authority	Program	Identification Number	Expiration Date
Wyoming	State	8TMS-L	01-31-23
Wyoming (UST)	A2LA	1.01	11-30-22

)0-2	
	5
	8
	9
	10

Method	Method Description	Protocol	Laboratory
9060A	Organic Carbon, Total (TOC)	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Spokane

Lasonno oponano

11922 East 1st Ave

Spokane, WA 99206

Phone (509) 924-9200 Phone (509) 924-9290

Chain of Custody Record

🐝 eurofins

Environment Testing America

Client Contact: Jered Newcomb Company: HDR Inc Address: 1401 E. Trent Ave Suite 101	Sampler BlgK Phone: 208 - Due Date Request	340-1	305 PWSID:		Mail: ande	e.Arrir	aton					State	of Origin	WA			Page:	
Company: HDR Inc Address:		<u> </u>	PWSID:					aver.e	urofin	SUS.CO	m			**/			Page 2 of 4	1071
Address:	Due Date Request									_							Page: Page 2 of 4 Job #:	
1404 E. Tropt Avo. Suite 101		ed:	L		-				<u> </u>		sis Re	quest					Preservation Cod	les
	TAT Descussion of 13				_												A HCL	M Hexane
City: Spokane	TAT Requested (d	24 hr	(END)				[B NaOH C Zn Acetate	N None O AsNaO2
State, Zip: WA, 99202	Compliance Project				-												D Nitric Acid E NaHSO4	P Na2O4S Q Na2SO3
Phone: + 509-899-427	PO #:					а 18											F MeOH G Amchlor	R Na2S2O3 S H2SO4
Email:	Purchase Order wo #:	r Requested	1		- lê												H Ascorbic Acid	T TSP Dodecahydrate U Acetone
jered.newcomb@hdrinc.com					\$ 2	(oN										Ľ	J DI Water K EDTA	V MCAA W pH 4-5
Project Name: Simplot Warden	Project #: 59002373				ξe	8	8									containers	L EDA	Z other (specify)
sile: Warden WA	SSOW#:				Sampl	N asi	Soil TOC									ofcor	Other [.]	
			Sample Type	Matrix (w=water, S=solid,		n MSM	Standard	EDB								Number		
		Sample	(C=comp,	O=waste/oli BT=Tissue		1266	1	8011 E								Total N		
Sample Identification	Sample Date	Time	G=grab) Preserva	A-Air) ation Code			8 1 V									ĸ	Special In	structions/Note:
SVE-Soil-June 5-1Post1	6/5/22	1260	G	Solid	<u> </u>		X		-					and the second	<u> </u>			
	10101212	1255			- 1				+-	┼─┼			<u> </u>			-		· · · · · · · · · · · · · · · · · · ·
JVE-Soll-June 5-1Post2		1323	<u> </u>	Solid	M			×										
SVE-Jul-June 5-170513		1347		Solid	V	4	\times	X		_								
SVE-Joil-June 5-19053 SVE-Joil-June 5-19054		1415		Solid	N		\times	X										
SVE-501 - June 5 - DUP2	₩	1334	Ψ	Solid	N		χ	×										
Trip Blank			G	Solid	N	1	×											
			Ŭ	Solid			-		1					i (FI) ea		•:	۵L.,	
				Solid														
				Solid	-+-	+				+			-					WW
					-+-	+		_					-					
				Solid	_					+			<u> </u>	590-1	7700 C	hain	of Custody	
				Solid														
PossIble Hazard Identification			0	,		Sam		Dispo turn Ti			nay be	asses: Díspos	sed if a	sample	es are r	etain	ied longer than the for	Months
Deliverable Requested: I, II III IV Other (specify)	UNE UNKI		Raulologica	1		Spee	cial Ir	nstruct	tions/C	2C Re	quirem	ents -	ai by L		ard T	Arch		Montins
Empty Kit Relinquished by		Date:			TT	me:				<i>,</i>		1	OC.	Shin A	ent:	147	<u> </u>	
Relinquiched by	Date/Time:	,		Company			Receiv	es by	$\tau \neq$	+		ľ						Company
stelle the		5/22_	1545	HD2) ⊐		<u> </u>	1.	ant	\sim					6/2	2	10.40	Company EET SPD
Relinguished by:	Date/Time:			Company		F	<eceiv< td=""><td>ed by.</td><td>/</td><td></td><td></td><td></td><td></td><td>Date/</td><td>Time:</td><td></td><td></td><td>Company</td></eceiv<>	ed by.	/					Date/	Time:			Company
Relinquished by:	Date/Time:			Company		4	Receiv	ed by:						Date/	Time:			Company
Custody Seals Intact. Custody Seal No 76669	7	· · · · · · · · · · · · · · · · · · ·		Page 1	12 0		Cooler	Tempe	rature(s	s) °C and	Olher R	temarks:		<u>ђ</u> .	7°C	(Corty RC	6/17/202

Eurofins Spokane

11922 East 1st Ave

Chain of Custody Record



eurofins Environment Testing America

Spokane, WA 99206 Phone: 509-924-9200 Fax: 509-924-9290

Phone: 509-924-9200 Fax: 509-924-9290																			
Client Information (Sub Contract Lab)	Sampler:				gton, Randee E				Carrier Tracking No(s):			5	OC No: 90-6869.1						
Client Contact: Shipping/Receiving	Phone:			E-Mail Ranc		rringt	ton@e	et.euro	ofinsus	s.com		State of C Washin					age: Page 1 of 1		
Company:									See note	B):						Jo	ob #:		
Eurofins Lancaster Laboratories Environm					State	9 - Wa	ashing	gton									90-17700-1		
Address: 2425 New Holland Pike, ,	Due Date Requested 6/7/2022								Ana	alysis	Req	ueste	1				Preservation Cod	M - Hexane	
City: Lancaster	TAT Requested (day	/s):														B	3 - NaOH C - Zn Acetate	N - None O - AsNaO2 P - Na2O4S	
State, Zip: PA, 17601																E	D - Nitric Acid E - NaHSO4	Q - Na2SO3 R - Na2S2O3	3
Phone: 717-656-2300(Tel)	PO#:			-												G	F - MeOH G - Amchlor	S - H2SO4 T - TSP Dode	
Email:	WO #:				or No)	6											H - Ascorbic Acid - Ice J - DI Water	U - Acetone V - MCAA W - pH 4-5	
Project Name:	Project #: 59002373				(Yes	b po											K - EDTA L - EDA	Y - Trizma Z - other (spe	ecify)
Simplot Warden	SSOW#:				Sample (Yes	Meth											Other:		
		Sample	Sample Type (C=comp,	Matrix (w=water, S=solid, O=waste/oit,	Field Filtered Sample (Yes or Bartorm MS/MSD (Yes or No)	9060/ (MOD) Local Method										Total Number of			
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab) BT						_	_		_		-	-k	Ë.	Special In	structions/	Note:
		12:59	Preservatio		Ψ								+			× -			
SVE-Soil-June5-1Post1 (590-17700-1)	6/5/22	Pacific		Solid	\square	×				_						1			
SVE-Soil-June5-1Post2 (590-17700-2)	6/5/22	13:23 Pacific		Solid	Ш	×	(1			
SVE-Soil-June5-1Post3 (590-17700-3)	6/5/22	13:47 Pacific		Solid		×										1			
SVE-Soil-June5-1Post4 (590-17700-4)	6/5/22	14:15 Pacific		Solid		×	(1			
SVE-Soil-June5-Dup2 (590-17700-5)	6/5/22	13:34 Pacific		Solid		×	(1			
					- -		-												
		_			\square	_							+						
					+				\vdash	_			$\left \right $			-			
																			-
Note: Since laboratory accreditations are subject to change, Eurolins Envir does not currently maintain accreditation in the State of Origin listed above status should be brought to Eurolins Environment Testing Northwest, LLC	for analysis/tests/matrix beir	ig analyzed, t	he samples must	be shipped b	ack to	the Eu	Irofins	Environ	ment To	esting N	orthwes	t, LLC lab	oratory o	r other in	structions	s will l	be provided. Any cl	hanges to accr	the laboratory editation
Possible Hazard Identification					s	Samp											d longer than 1		
Unconfirmed	0							rn To				isposal	By Lat	5	- AI	rchiv	ve For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	able Rank:	2		5	specia	ai insi	ructio	ns/QC	Requ	iremer								
Empty Kit Relinquished by:		Date:			Time	e:						Me	thod of S	hipment:					
Relinquished by:	Date/Time: 0/6/22	14:0	00	et St	20	Re	ceived	by:						Date/Tim	e:			Company	
Relinquished by:	Date/Time:		- C	mpany		Re	ceived	by:	_	_				Date/Tim	e:	-		Company	
Relinquished by:	Date/Time:		c	ompany		Re	ceived	by:	-		\rangle			DateTim	\$71	2	7. 1041	Company	T
Custody Seals Intact: Custody Seal No.:						Co	oler Te	empera	lure(s)*	C and C)ther Re	marks:	1	1	1	~		Y	.8

Login Sample Receipt Checklist

Client: HDR Inc

Login Number: 17700 List Number: 1 Creator: Vaughan, Madison 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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	

List Source: Eurofins Spokane

	la Dessint Checklist	1
Login Samp	ole Receipt Checklist	
Client: HDR Inc	Job Number: 590-17700-2	
Login Number 17700	List Source: Eurofine Langester Laboratoriae Environment Testing, LLC	
Login Number: 17700 List Number: 2	List Source: Eurofins Lancaster Laboratories Environment Testing, LLC List Creation: 06/07/22 02:02 PM	
Creator: Foreman, Leah M		5
Question	Answer Comment	
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised tampered with.	l or True	7
Samples were received on ice.	True	8
Cooler Temperature is acceptable (=6C, not frozen).</td <td>True</td> <td></td>	True	
Cooler Temperature is recorded.	True	9
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td>40</td>	N/A	40
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (=6C, not frozen).</td <td>True</td> <td></td>	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td></td>	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	



6/15/2022 Mr. Tyler Allen HDR, Inc. 412 E. Parkcenter Suite 100 Boise ID 83706

Project Name: Simplot-Warden Project #: 10331653 Workorder #: 2206179

Dear Mr. Tyler Allen

The following report includes the data for the above referenced project for sample(s) received on 6/8/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ionica Fran

Monica Tran Project Manager

180 Blue Ravine Road, Suite B Folsom, CA 95630



WORK ORDER #: 2206179

Work Order Summary

CLIENT:	Mr. Tyler Allen HDR, Inc. 412 E. Parkcenter Suite 100 Boise, ID 83706	BILL TO:	Accounts Payable HDR, Inc. 412 E. Parkcenter Blvd Suite 100 Boise, ID 83706
PHONE:	(208) 387-7000	P.O. #	10331653
FAX:		PROJECT #	10331653 Simplot-Warden
DATE RECEIVED: DATE COMPLETED:	06/08/2022 06/14/2022	CONTACT:	Monica Tran

FRACTION #	NAME	<u>TEST</u>	RECEIPT <u>VAC./PRES.</u>	FINAL <u>PRESSURE</u>
01A	SVE-Vap-June1-1Pre1	TO-15	6.9 "Hg	10.1 psi
02A	SVE-Vap-June1-1Pre2	TO-15	6.7 "Hg	10 psi
03A	SVE-Vap-June1-1Pre3	TO-15	7.6 "Hg	9.9 psi
04A	SVE-Vap-June1-1Pre4	TO-15	6.3 "Hg	10 psi
05A	SVE-Vap-June1-DUP1	TO-15	7.3 "Hg	9.9 psi
06A	SVE-Vap-June1-1Pre5	TO-15	6.7 "Hg	10 psi
07A	SVE-Vap-June1-1Pre6	TO-15	7.1 "Hg	9.9 psi
08A	SVE-Vap-June2-1Mid1	TO-15	7.1 "Hg	9.9 psi
09A	SVE-Vap-June2-1Mid2	TO-15	5.3 "Hg	9.9 psi
10A	SVE-Vap-June3-1Mid3	TO-15	4.5 "Hg	9.9 psi
11A	SVE-Vap-June3-1Mid4	TO-15	5.5 "Hg	10 psi
12A	SVE-Vap-June4-1Mid5	TO-15	6.3 "Hg	9.8 psi
13A	SVE-Vap-June4-1Mid6	TO-15	6.1 "Hg	9.9 psi
14A	SVE-Vap-June5-1Post1	TO-15	8.8 "Hg	9.9 psi
15A	SVE-Vap-June5-1Post2	TO-15	8 "Hg	9.9 psi
16A	Lab Blank	TO-15	NA	NA
17A	CCV	TO-15	NA	NA
18A	LCS	TO-15	NA	NA
18AA	LCSD	TO-15	NA	NA

CERTIFIED BY:

layes end

DATE: <u>06/14/22</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022. Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000. (800) 985-5955. FAX (916) 351-8279

LABORATORY NARRATIVE EPA Method TO-15 HDR, Inc. Workorder# 2206179

Fifteen 1 Liter Summa Canister samples were received on June 08, 2022. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

The Chain of Custody (COC) information for sample SVE-Vap-June1-1Pre2 did not match the information on the canister with regard to canister barcode. The sample labeled 1L1805 on the COC is labeled as 1L1802 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE-Vap-June1-1Pre1

Lab ID#: 2206179-01A No Detections Were Found.

Client Sample ID: SVE-Vap-June1-1Pre2

Lab ID#: 2206179-02A No Detections Were Found.

Client Sample ID: SVE-Vap-June1-1Pre3

Lab ID#: 2206179-03A No Detections Were Found.

Client Sample ID: SVE-Vap-June1-1Pre4

Lab ID#: 2206179-04A No Detections Were Found.

Client Sample ID: SVE-Vap-June1-DUP1

Lab ID#: 2206179-05A No Detections Were Found.

Client Sample ID: SVE-Vap-June1-1Pre5

Lab ID#: 2206179-06A No Detections Were Found.

Client Sample ID: SVE-Vap-June1-1Pre6

Lab ID#: 2206179-07A No Detections Were Found.

Client Sample ID: SVE-Vap-June2-1Mid1

Lab ID#: 2206179-08A No Detections Were Found.

Client Sample ID: SVE-Vap-June2-1Mid2

Lab ID#: 2206179-09A



Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE-Vap-June2-1Mid2

Lab ID#: 2206179-09A No Detections Were Found.

Client Sample ID: SVE-Vap-June3-1Mid3

Lab ID#: 2206179-10A No Detections Were Found.

Client Sample ID: SVE-Vap-June3-1Mid4

Lab ID#: 2206179-11A No Detections Were Found.

Client Sample ID: SVE-Vap-June4-1Mid5

Lab ID#: 2206179-12A No Detections Were Found.

Client Sample ID: SVE-Vap-June4-1Mid6

Lab ID#: 2206179-13A No Detections Were Found.

Client Sample ID: SVE-Vap-June5-1Post1

Lab ID#: 2206179-14A No Detections Were Found.

Client Sample ID: SVE-Vap-June5-1Post2

Lab ID#: 2206179-15A No Detections Were Found.



Client Sample ID: SVE-Vap-June1-1Pre1 Lab ID#: 2206179-01A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061311	Date of Collection: 6/1/22 8:33:00 AM			
Dil. Factor:	2.19	Date of Analysis: 6/13/22 03:51 PM			
Compound	Rpt. Limit	Amount	Rpt. Limit	Amount	
	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)	
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.4	Not Detected	

Container Type: 1 Liter Summa Canister

		Method			
Surrogates	%Recovery	Limits			
Toluene-d8	96	70-130			
1,2-Dichloroethane-d4	101	70-130			
4-Bromofluorobenzene	102	70-130			



Client Sample ID: SVE-Vap-June1-1Pre2 Lab ID#: 2206179-02A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061312	Date of Collection: 6/1/22 8:37:00 Al		
Dil. Factor:	2.16	Date of Analysis: 6/13/22 04:26 PM		
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.3	Not Detected

Container Type: 1 Liter Summa Canister

<i>.</i>		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	96	70-130	
1,2-Dichloroethane-d4	100	70-130	
4-Bromofluorobenzene	98	70-130	



Client Sample ID: SVE-Vap-June1-1Pre3 Lab ID#: 2206179-03A EPA METHOD TO-15 GC/MS FULL SCAN

Dil. Factor:	2.24 Rpt. Limit	Amount	of Analysis: 6/13/ Rpt. Limit	Amount
Compound	(vdqq)	(vdqq)	(ug/m3)	(ug/m3)

Container Type: 1 Liter Summa Canister

		Method
Surrogates	%Recovery	Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	102	70-130



Client Sample ID: SVE-Vap-June1-1Pre4 Lab ID#: 2206179-04A EPA METHOD TO-15 GC/MS FULL SCAN

	J001314	j061314 Date of Collection: 6/1/22 1:3 2.13 Date of Analysis: 6/13/22 05:3		of Collection: 6/1/22 1:37:00 PM	
Dil. Factor:	2.13			22 05:36 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uq/m3)	Amount (ug/m3)	

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	95	70-130	
1,2-Dichloroethane-d4	99	70-130	
4-Bromofluorobenzene	98	70-130	



Client Sample ID: SVE-Vap-June1-DUP1 Lab ID#: 2206179-05A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061315	Date of Collection: 6/1/22 10:05:00 AN		
Dil. Factor:	2.21	Date of Analysis: 6/13/22 06:10 PM		
Compound	Rpt. Limit	Amount	Rpt. Limit	Amount
	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.5	Not Detected

21		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	93	70-130	
1,2-Dichloroethane-d4	101	70-130	
4-Bromofluorobenzene	102	70-130	



Client Sample ID: SVE-Vap-June1-1Pre5 Lab ID#: 2206179-06A EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:			Date of Collection: 6/1/22 5:24:00 PM Date of Analysis: 6/13/22 06:45 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.3	Not Detected

21		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	95	70-130	
1,2-Dichloroethane-d4	101	70-130	
4-Bromofluorobenzene	102	70-130	



Client Sample ID: SVE-Vap-June1-1Pre6 Lab ID#: 2206179-07A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061318		Date of Collection: 6/1/22 5:27:00 PM	
Dil. Factor:	2.19		Date of Analysis: 6/13/22 09:36 PM	
Compound	Rpt. Limit	Amount	Rpt. Limit	Amount
	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.4	Not Detected

		Method
Surrogates	%Recovery	Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	98	70-130



Client Sample ID: SVE-Vap-June2-1Mid1 Lab ID#: 2206179-08A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061319	Date	of Collection: 6/2	/22 12:09:00 PM
Dil. Factor:	, 2.19	Date of Analysis: 6/13/22 10:11 PM		22 10:11 PM
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.4	Not Detected

<i>.</i>		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	95	70-130	
1,2-Dichloroethane-d4	99	70-130	
4-Bromofluorobenzene	101	70-130	



Client Sample ID: SVE-Vap-June2-1Mid2 Lab ID#: 2206179-09A EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	,		Date of Collection: 6/2/22 12:12:00 Pl Date of Analysis: 6/13/22 10:45 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.8	Not Detected

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	95	70-130	
1,2-Dichloroethane-d4	97	70-130	
4-Bromofluorobenzene	96	70-130	



Client Sample ID: SVE-Vap-June3-1Mid3 Lab ID#: 2206179-10A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:j061321Dil. Factor:1.97		Date of Collection: 6/3/22 11:41:00 AM Date of Analysis: 6/13/22 11:20 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	0.98	Not Detected	7.6	Not Detected

21		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	91	70-130	
1,2-Dichloroethane-d4	100	70-130	
4-Bromofluorobenzene	100	70-130	



Client Sample ID: SVE-Vap-June3-1Mid4 Lab ID#: 2206179-11A EPA METHOD TO-15 GC/MS FULL SCAN

Dil. Factor:	2.06 Date of Analysis: 6/13/22		-	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.9	Not Detected

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	91	70-130	
1,2-Dichloroethane-d4	97	70-130	
4-Bromofluorobenzene	98	70-130	



Client Sample ID: SVE-Vap-June4-1Mid5 Lab ID#: 2206179-12A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061323	-		/22 12:49:00 PM
Dil. Factor:	2.11			22 12:30 AM
Compound	Rpt. Limit	Amount	Rpt. Limit	Amount
	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.1	Not Detected

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	94	70-130	
1,2-Dichloroethane-d4	99	70-130	
4-Bromofluorobenzene	100	70-130	



Client Sample ID: SVE-Vap-June4-1Mid6 Lab ID#: 2206179-13A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061324	,		Date of Collection: 6/4/22 12:54:00 PM	
Dil. Factor:	2.10			Date of Analysis: 6/14/22 01:04 AM	
Compound	Rpt. Limit	Amount	Rpt. Limit	Amount	
	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)	
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.1	Not Detected	

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	92	70-130	
1,2-Dichloroethane-d4	99	70-130	
4-Bromofluorobenzene	100	70-130	



Client Sample ID: SVE-Vap-June5-1Post1 Lab ID#: 2206179-14A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061325		Date of Collection: 6/5/22 12:15:00 PN	
Dil. Factor:	2.37		Date of Analysis: 6/14/22 01:39 AM	
Compound	Rpt. Limit	Amount	Rpt. Limit	Amount
	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	92	70-130	
1,2-Dichloroethane-d4	99	70-130	
4-Bromofluorobenzene	98	70-130	



Client Sample ID: SVE-Vap-June5-1Post2 Lab ID#: 2206179-15A EPA METHOD TO-15 GC/MS FULL SCAN

-		of Analysis: 6/14/2 Rpt. Limit	22 02:14 AM Amount	
Compound	(ppbv)	(ppbv)	(uq/m3)	(uq/m3)

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	91	70-130	
1,2-Dichloroethane-d4	99	70-130	
4-Bromofluorobenzene	97	70-130	



Client Sample ID: Lab Blank Lab ID#: 2206179-16A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061305c		Date of Collection: NA					
Dil. Factor:	1.00		Date of Analysis: 6/13/22 11:24 AM					
Compound	Rpt. Limit	Amount	Rpt. Limit	Amount				
	(ppbv)	(ppbv)	(ug/m3)	(ug/m3)				
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected				

Container Type: NA - Not Applicable

		Method
Surrogates	%Recovery	Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	96	70-130



Client Sample ID: CCV Lab ID#: 2206179-17A EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j061302	Date of Collection: NA				
Dil. Factor:	1.00	Date of Analys	is: 6/13/22 08:33 AM			
Compound		%Recovery				
1,2-Dibromoethane (EDB)		100				
Container Type: NA - Not Appli	icable					
			Method			
Surrogates		%Recovery	Limits			
Toluene-d8		100	70-130			
		100	70-130			
1,2-Dichloroethane-d4		100	10 100			



Client Sample ID: LCS Lab ID#: 2206179-18A EPA METHOD TO-15 GC/MS FULL SCAN

Т

File Name: Dil. Factor:	j061303 1.00	Date of Collection: NA Date of Analysis: 6/13/22 09:05 A		
Compound		%Recovery	Method Limits	
1,2-Dibromoethane (EDB)		100	70-130	
Container Type: NA - Not Appli	cable			
Surrogates		%Recovery	Method Limits	
Toluene-d8		100	70-130	
1,2-Dichloroethane-d4		101	70-130	
4-Bromofluorobenzene		105	70-130	



Client Sample ID: LCSD Lab ID#: 2206179-18AA EPA METHOD TO-15 GC/MS FULL SCAN

Т

File Name: Dil. Factor:	j061304 1.00	Date of Collection: NA Date of Analysis: 6/13/22 09:36 AN		
Compound		%Recovery	Method Limits	
1,2-Dibromoethane (EDB)		99	70-130	
Container Type: NA - Not Appli	cable			
Surrogates		%Recovery	Method Limits	
Toluene-d8		97	70-130	
1,2-Dichloroethane-d4		97	70-130	
4-Bromofluorobenzene		103	70-130	

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-17742-1

Client Project/Site: Simplot Warden

For:

HDR Inc 1401 E. Trent Ave Suite 101 Spokane, Washington 99202

Attn: Jered Newcomb

Candre Arrington

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

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

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

Authorized for release by: 6/13/2022 4:00:36 PM

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
Chronicle	8
Certification Summary	10
Method Summary	11
Chain of Custody	12
Receipt Checklists	13

Job ID: 590-17742-1

Laboratory: Eurofins Spokane

Narrative

Receipt

The samples were received on 6/10/2022 8:56 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.9° C.

Receipt Exceptions

The following sample was listed on the Chain of Custody (COC); however, no sample was received: Trip Blank (590-17742-6). An empty jar was received labeled trip blank but did not contain lab sand which is required to perform the analysis.

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

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: 590-17742-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-17742-1	SVE-Soil-June9-2Pre1	Solid	06/09/22 09:25	06/10/22 08:56
590-17742-2	SVE-Soil-June9-2Pre2	Solid	06/09/22 09:45	06/10/22 08:56
590-17742-3	SVE-Soil-June9-2Pre3	Solid	06/09/22 09:56	06/10/22 08:56
590-17742-4	SVE-Soil-June9-2Pre4	Solid	06/09/22 10:10	06/10/22 08:56
590-17742-5	SVE-Soil-June9-Dup1	Solid	06/09/22 09:03	06/10/22 08:56

Definitions/Glossary

Client: HDR Inc Project/Site: Simplot Warden

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Negative / Absent

Positive / Present

Presumptive

Quality Control

Glossary Abbreviation

¤ %R

CFL

CFU

CNF

DER

DL

DLC

EDL

LOD

LOQ

MCL

MDA

MDC

MDL

MPN MQL

ML

NC

ND

NEG

POS

PQL

QC

RER

RPD

TEF

TEQ

TNTC

RL

PRES

Dil Fac

DL, RA, RE, IN

Job ID: 590-17742-1

Simplot Warden	JOD ID. 590-17742-1	
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		
Percent Recovery		
Contains Free Liquid		5
Colony Forming Unit		5
Contains No Free Liquid		
Duplicate Error Ratio (normalized absolute difference)		
Dilution Factor		
Detection Limit (DoD/DOE)		
Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
Decision Level Concentration (Radiochemistry)		ð
Estimated Detection Limit (Dioxin)		
Limit of Detection (DoD/DOE)		9
Limit of Quantitation (DoD/DOE)		
EPA recommended "Maximum Contaminant Level"		
Minimum Detectable Activity (Radiochemistry)		
Minimum Detectable Concentration (Radiochemistry)		
Method Detection Limit		
Minimum Level (Dioxin)		
Most Probable Number		
Method Quantitation Limit		
Not Calculated		
Not Detected at the reporting limit (or MDL or EDL if shown)		

Eurofins Spokane

Client Sample Results

Client: HDR Inc

Job ID: 590-17742-1

Project/Site: Simplot Warden								JOD ID. 590-	17742-1
Client Sample ID: SVE-Soil- Date Collected: 06/09/22 09:25 Date Received: 06/10/22 08:56	June9-2P	Pre1				L		e ID: 590-1 Matriz Percent Solid	x: Solid
Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result O	Qualifier	RL		Unit ug/Kg	D	Prepared 06/10/22 15:03	Analyzed 06/10/22 17:39	Dil Fac
Client Sample ID: SVE-Soil- Date Collected: 06/09/22 09:45 Date Received: 06/10/22 08:56	June9-2P	Pre2				L		e ID: 590-1 Matriz Percent Solid	x: Solid
Method: 8011 - EDB Analyte	Result C	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.055	0.039	ug/Kg	¢	06/10/22 15:03	06/10/22 18:28	1
Date Collected: 06/09/22 09:56 Date Received: 06/10/22 08:56 Method: 8011 - EDB							-	e ID: 590-1 Matriz Percent Solid	x: Solid
Analyte	Result C	Qualifier	RL	MDL		<u> </u>	Prepared 06/10/22 15:03	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.054	0.038	ug/Kg	Q:	06/10/22 15:03	06/10/22 18:45	1
Client Sample ID: SVE-Soil- Date Collected: 06/09/22 10:10 Date Received: 06/10/22 08:56	June9-2P	Pre4						e ID: 590-1 Matriz Percent Solid	x: Solid
Method: 8011 - EDB Analyte	Result G	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.055	0.039	ug/Kg	¢	06/10/22 15:03	06/10/22 19:01	1
Client Sample ID: SVE-Soil- Date Collected: 06/09/22 09:03 Date Received: 06/10/22 08:56	June9-Du	ıp1				L		e ID: 590-1 Matriz Percent Solid	x: Solid
Method: 8011 - EDB Analyte	Result C	Jualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.054		ug/Kg	— <u>¤</u>		06/10/22 19:18	1
L ,					33				

Method: 8011 - EDB

Lab Sample ID: MB 590-364	184/2-A						C	lient Samp	ole ID: Metho	
Matrix: Solid									Prep Type:	
Analysis Batch: 36487									Prep Batc	h: 3648
	I	MB MB								
Analyte	Res	ult Qualifier	RL		MDL Uni	-	<u>D</u>	Prepared	Analyzed	Dil Fa
1,2-Dibromoethane (EDB)		ND	0.050	0	.035 ug/l	٢g	06	6/10/22 15:03	06/10/22 17:0	6
Lab Sample ID: LCS 590-36	484/3-A					Cli	ent S	ample ID:	Lab Contro	l Sampl
Matrix: Solid									Prep Type:	Total/N
Analysis Batch: 36487									Prep Batc	h: 3648
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifie	Unit	I	D %Rec	Limits	
4.0 Dileman and an a (CDD)				4 0 0				100	00 440	
1,2-Dibromoetnane (EDB)			1.00	1.26		ug/Kg		126	60 - 140	
			1.00	1.26			t San			0 2 Dro
Lab Sample ID: 590-17742-	1 MS		1.00	1.26			it San		VE-Soil-Jun	
Lab Sample ID: 590-17742- Matrix: Solid	1 MS		1.00	1.26			it San		VE-Soil-June Prep Type:	Total/N
1,2-Dibromoethane (EDB) Lab Sample ID: 590-17742- Matrix: Solid Analysis Batch: 36487		Sample			MS		it San		VE-Soil-June Prep Type: Prep Batc	Total/N
Lab Sample ID: 590-17742- Matrix: Solid Analysis Batch: 36487	Sample 3	•	Spike	MS	MS Qualifier	Clien		nple ID: S	VE-Soil-June Prep Type: Prep Batc %Rec	Total/N
Lab Sample ID: 590-17742- Matrix: Solid Analysis Batch: 36487 Analyte	Sample 3	Sample Qualifier		MS	MS Qualifier	Clien	1		VE-Soil-June Prep Type: Prep Batc	Total/N
Lab Sample ID: 590-17742- Matrix: Solid Analysis Batch: 36487 Analyte 1,2-Dibromoethane (EDB)	Sample S Result ND	•	Spike Added	MS Result	-	Clien Unit ug/Kg	I	nple ID: SV 	VE-Soil-June Prep Type: Prep Batc %Rec Limits 60 - 140	Total/N h: 3648
Lab Sample ID: 590-17742- Matrix: Solid Analysis Batch: 36487 Analyte 1,2-Dibromoethane (EDB) Lab Sample ID: 590-17742-	Sample S Result ND	•	Spike Added	MS Result	-	Clien Unit ug/Kg	I	nple ID: SV 	VE-Soil-June Prep Type: Prep Batc %Rec Limits 60 - 140 VE-Soil-June	Total/N h: 3648
Lab Sample ID: 590-17742- Matrix: Solid Analysis Batch: 36487 Analyte 1,2-Dibromoethane (EDB) Lab Sample ID: 590-17742- Matrix: Solid	Sample S Result ND	•	Spike Added	MS Result	-	Clien Unit ug/Kg	I	nple ID: SV 	VE-Soil-June Prep Type: Prep Batc %Rec Limits 60 - 140 VE-Soil-June Prep Type:	Total/N h: 3648
Lab Sample ID: 590-17742- Matrix: Solid Analysis Batch: 36487 Analyte 1,2-Dibromoethane (EDB) Lab Sample ID: 590-17742- Matrix: Solid	Sample S Result ND	Qualifier	Spike Added	MS Result	Qualifier	Clien Unit ug/Kg	I	nple ID: SV 	VE-Soil-June Prep Type: Prep Batc %Rec Limits 60 - 140 VE-Soil-June	Total/N h: 3648
Lab Sample ID: 590-17742- Matrix: Solid Analysis Batch: 36487 Analyte 1,2-Dibromoethane (EDB) Lab Sample ID: 590-17742-	Sample S Result ND 1 MSD Sample S	Qualifier	Spike Added 1.10	MS Result 0.756 MSD	Qualifier	Clien Unit ug/Kg Clien	t San	nple ID: SV 	VE-Soil-June Prep Type: Prep Batc %Rec Limits 60 - 140 VE-Soil-June Prep Type: Prep Batc %Rec	Total/N h: 3648

Initial

Amount

Initial

Amount

10.00 g

Initial

Amount

Dil

1

Dil

1

Dil

1

Factor

Factor

Factor

Run

Run

Run

Prep Type

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Client Sample ID: SVE-Soil-June9-2Pre1 Date Collected: 06/09/22 09:25 Date Received: 06/10/22 08:56

Client Sample ID: SVE-Soil-June9-2Pre1

Batch

Method

Moisture

Batch

8011

8011

Batch

Method

Moisture

Method

Batch

Туре

Date Collected: 06/09/22 09:25 Date Received: 06/10/22 08:56

Date Collected: 06/09/22 09:45 Date Received: 06/10/22 08:56

Analysis

Batch

Туре

Prep

Analysis

Batch

Type

Analysis

Client Sample ID: SVE-Soil-June9-2Pre2

Matrix: Solid

Matrix: Solid

Percent Solids: 90.1

Job ID: 590-17742-1							
	L	ab Sample		-17742-1 atrix: Solid	3		
					4		
Final	Batch	Prepared					
Amount	Number	or Analyzed	Analyst	Lab	5		
	36490	06/11/22 17:31	NMI	TAL SPK			
	L	ab Sample	ID: 590	-17742-1	6		
		P		atrix: Solid olids: 90.1	7		
Final	Batch	Prepared			8		
Fillal	Daton	ricpurcu					
Amount	Number	or Analyzed	Analyst	Lab			
		•	Analyst NMI	Lab TAL SPK	9		
Amount	Number	or Analyzed	NMI		9		
Amount	Number 36484 36487	or Analyzed 06/10/22 15:03 06/10/22 17:39	NMI NMI	TAL SPK TAL SPK	9 10		
Amount	Number 36484 36487	or Analyzed 06/10/22 15:03	NMI NMI ID: 590	TAL SPK TAL SPK	9 10 11		
Amount	Number 36484 36487	or Analyzed 06/10/22 15:03 06/10/22 17:39	NMI NMI ID: 590	TAL SPK TAL SPK -17742-2	9 10 11 12		
Amount 2 mL	Number 36484 36487	or Analyzed 06/10/22 15:03 06/10/22 17:39 ab Sample	NMI NMI ID: 590	TAL SPK TAL SPK -17742-2	9 10 11 12		
Amount 2 mL Final	Number 36484 36487 Land Batch	or Analyzed 06/10/22 15:03 06/10/22 17:39 ab Sample Prepared	NMI NMI ID: 590 Ma	TAL SPK TAL SPK -17742-2 atrix: Solid	9 10 11 12		

Client Sample ID: SVE-Soil-June9-2Pre2 Lab Sar Date Collected: 06/09/22 09:45 Date Received: 06/10/22 08:56

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			10.08 g	2 mL	36484	06/10/22 15:03	NMI	TAL SPK
Total/NA	Analysis	8011		1			36487	06/10/22 18:28	NMI	TAL SPK

Client Sample ID: SVE-Soil-June9-2Pre3 Date Collected: 06/09/22 09:56 Date Received: 06/10/22 08:56

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Moisture 36490 06/11/22 17:31 NMI TAL SPK Analysis 1

Client Sample ID: SVE-Soil-June9-2Pre3 Date Collected: 06/09/22 09:56 Date Received: 06/10/22 08:56

Lab Sample ID: 590-17742-3 Matrix: Solid Percent Solids: 90.2

Lab Sample ID: 590-17742-4

Lab Sample ID: 590-17742-3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			10.31 g	2 mL	36484	06/10/22 15:03	NMI	TAL SPK
Total/NA	Analysis	s 8011		1			36487	06/10/22 18:45	NMI	TAL SPK

Client Sample ID: SVE-Soil-June9-2Pre4 Date Collected: 06/09/22 10:10 Date Received: 06/10/22 08:56

[_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Total/NA	Analysis	Moisture		1			36490	06/11/22 17:31	NMI	TAL SPK

Eurofins Spokane

Matrix: Solid

Initial

Amount

10.00 g

Initial

Amount

Initial

Amount

10.17 g

Final

Amount

2 mL

Final

Amount

Final

Amount

2 mL

Batch

36484

36487

Batch

36490

Batch

36484

36487

Number

Number

Number

Dil

1

Dil

1

Dil

1

Factor

Factor

Factor

Run

Run

Run

Prep Type

Total/NA

Total/NA

Prep Type

Prep Type

Total/NA

Total/NA

Laboratory References:

Total/NA

Client Sample ID: SVE-Soil-June9-2Pre4 Date Collected: 06/09/22 10:10 Date Received: 06/10/22 08:56

Batch

8011

8011

Batch

Method

Moisture

Batch

8011

8011

Method

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

Method

Batch

Туре

Prep

Date Collected: 06/09/22 09:03

Date Received: 06/10/22 08:56

Date Collected: 06/09/22 09:03

Date Received: 06/10/22 08:56

Analysis

Batch

Туре

Analysis

Batch

Туре

Prep

Analysis

Client Sample ID: SVE-Soil-June9-Dup1

Client Sample ID: SVE-Soil-June9-Dup1

Percent Solids: 90.2

Matrix: Solid

Lab

TAL SPK

TAL SPK

Matrix: Solid

Lab

TAL SPK

Matrix: Solid

Lab

TAL SPK

TAL SPK

Percent Solids: 91.1

Lab Sample ID: 590-17742-4

Analyst

Analyst

Analyst

NMI

Lab Sample ID: 590-17742-5

NMI

Lab Sample ID: 590-17742-5

Prepared

or Analyzed

06/10/22 15:03

Prepared

or Analyzed

06/11/22 17:31

Prepared

or Analyzed

06/10/22 15:03 NMI

06/10/22 19:18 NMI

06/10/22 19:01 NMI

8

Eurofins Spokane

Page	9	of	13
		-	-

Laboratory: Eurofins Spokane

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

Authority	Pr	ogram	Identification Number	Expiration Date
Washington	St	ate	C569	01-06-23
The following analytes	s are included in this repo	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for whic
the agency does not o	•	,	······································	·····
0,	•	Matrix	Analyte	·····, ·····, ·····, ·····, ···, ··, ··, ···, ··, ··, ···, ···, ··, ···, ···, ···, ···, ···, ···, ···, ···, ··, ··, ··, ··, ···, ···, ···, ···, ···, ···, ···, ···, ···, ···, ···, ···, ···, ··, ···, ···, ···, ··, ···, ···, ··, ··, ··, ··, ··, ···, ·
the agency does not o	offer certification.			

Eurofins Spokane

Method Summary

Client: HDR Inc Project/Site: Simplot Warden

Method	Method Description	Protocol	Laboratory
8011	EDB	EPA	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
8011	Microextraction	SW846	TAL 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:

TAL 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

	Sampler: Black	1)a	0 01	Lab f		Dond							Trackie					COC No: 590-7430-2162	1	
Client Information	Phone:) Anni E-Ma	nglon, l iii:	Rang	ee E				s	late of	Örtgin				- 1	Page:	1	
Jered Newcomb	Phone: 208-	340-	<u> 1305</u>	Ran	dee.Ar	ringto	on@et	eurof	insus.e	com				<u>aw</u>	7			Page 1 of 4 1		
Company HDR Inc			PWSID:						Anal	vsis								Job #:		
Address:	Due Date Requeste	d									—†		T					Preservation Co	des.	
1401 E. Trent Ave Suite 101 City:	TAT Requested (da	val:															1.1.1	A HCL B NaOH	M Hexane N None	
Spokane	70	inrl	END /														ant and an	C Zn Acetate	O AsNaO2	
State, Zip: WA, 99202	Compliance Project	t: Δ Yes 2	No T		- 🛛												1000000	D Nitric Acid E NaHSO4	P Na2O4S Q Na2SO3	
Phone:	PO #:				1 🛛												če Graditi un	F MeOH G Amchlor	R Na2S2O3 S H2SO4	
Email:	Purchase Order W0 #:	Requested			-9												and and the	H Ascorble Acid I ice	T TSP Dode U Acetone	ecahydrate
jered.newcomb@hdrinc.com					<u>Ro</u>												Ş	J DIWater K EDTA	V MCAA W pH 4-5	
Project Name: Simplot Warden	Project #: 59002373				Sor	ų												L EDA	Z other (spe	ecify)
	SSOW#:					Soil TOC											1383	Other [.]		
sile: Warden, WA	[л Х											er of			
			Sample	Matrix (w=water	ttere MS	Standard	EDB										qun			
		Sample	Type (C=comp,	S=solid, O=waste/o8,	d Fil												A IS			
Sample Identification	Sample Date	Time	G=grab)	BT=Tissue, A=Alr		9060	83			10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -						(4) 10000000	Total	Special I	nstructions/	Note:
		\geq	Preserva	tion Code;	\mathbb{A}	(N	N				Surger la	- 100.000	4				X			
SVF-Soil-June9-2Pre1	06/01/22	325	G	Solid	N	X	X										10000			
SUF-Soil-JUNE-2 Pre2		0945		Solid	N	X	\times													
SIE-Soil Jure 9-2 Pre-3		8956		Solid	N	X	X													
SVE-Soil-June9-2Ar4		1910		Solid	N	\underline{N}	X													
SVE-Soil-June9-Dup 1		0902	Ý	Solid	Ν	<u>×</u>	X				1			antil	aaaa	MMM	111	- 111111		
Trip Blank	·2		G	Solid	N	X														
¢				Solid	Ц.				_											
				Solid						_		MM		ill i lli Chair	n of Ci	ustod	ly			
				Solid						1	590)-17	142	1		1	Ganal States			
				Solid																
				Solid																
Possible Hazard Identification					S	ampi	e Disp	osal	(A fee	e may	be as	sess	ed If	sam	ples a	re rei	tain	ed longer than nive For	1 month)	
Non-Hazard Flammable Skin Irritant Pois	on B Unkn	iown	Radiologica	1									al By	Lab		<u> </u>	Arch	6		
Deliverable Requested I II III IV Other (specify)							mstru	lonons	s/QC F	vequi	ement				sta	ndi	NZ	J TAT	~	
Empty Kit Relinquished by		Date:			Time							N	lethod		ipment:					
Relinquished by: Relake Une	Date/Time: 06/	10/22	08:56	Company HDR)		eived b	-							ate/Tim				Company	
Relinquished by:	Date/Time:			Company		Rec	eived b	y: 1	/	1				D	ate/Tim	9:			Company	
Relinquished by:	Date/Time:			Company		Rec	ajvedo	Y.L.V	A	Ć	/			Di	ate/Tint	H l	5/1	0/22 8:5	6 Ceepany	SPO
Custody Seals Intact: Custody Seal No.	•					Ś	ler Terr	peratur	rejet °C	and Oth	ter Rem	arks [,]		Ú	9	Ý,	,	(orro)	Kuoe	S
											- · · · ·			- 1	\. + -				Vor: 06/08	/2021

Login Sample Receipt Checklist

Client: HDR Inc

Login Number: 17742 List Number: 1 Creator: Vaughan, Madison 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.	False	no trip blank present
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: 590-17742-1

List Source: Eurofins Spokane

🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-17777-1

Client Project/Site: Simplot Warden

For:

HDR Inc 1401 E. Trent Ave Suite 101 Spokane, Washington 99202

Attn: Jered Newcomb

Candre Arrington

Authorized for release by: 6/16/2022 5:01:22 PM

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

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Definitions	5
Client Sample Results	6
QC Sample Results	8
Chronicle	10
Certification Summary	12
Method Summary	13
Chain of Custody	14
Receipt Checklists	15

Job ID: 590-17777-1

Laboratory: Eurofins Spokane

Narrative

Receipt

The samples were received on 6/15/2022 1:55 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 8.3° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: SVE-Soil-June15-3Pre1 (590-17777-1), SVE-Soil-June15-3Pre2 (590-17777-2), SVE-Soil-June15-3Pre3 (590-17777-3), SVE-Soil-June15-3Pre4 (590-17777-4), SVE-Soil-June15-3DUP (590-17777-5), SVE-Soil-June15-3ERB (590-17777-6), SVE-Soil-June15-3FB (590-17777-7) and Trip Blank (590-17777-8). 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 Semi VOA

Method 8011: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-36559 and analytical batch 590-36563 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

General Chemistry

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

Organic 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: 590-17777-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-17777-1	SVE-Soil-June15-3Pre1	Solid	06/15/22 07:46	06/15/22 13:55
590-17777-2	SVE-Soil-June15-3Pre2	Solid	06/15/22 07:51	06/15/22 13:55
590-17777-3	SVE-Soil-June15-3Pre3	Solid	06/15/22 07:55	06/15/22 13:55
590-17777-4	SVE-Soil-June15-3Pre4	Solid	06/15/22 08:00	06/15/22 13:55
590-17777-5	SVE-Soil-June15-3DUP	Solid	06/15/22 07:30	06/15/22 13:55
590-17777-6	SVE-Soil-June15-3ERB	Water	06/15/22 08:25	06/15/22 13:55
590-17777-7	SVE-Soil-June15-3FB	Water	06/15/22 08:30	06/15/22 13:55
590-17777-8	Trip Blank	Solid	06/15/22 00:00	06/15/22 13:55

Definitions/Glossary

Qualifiers

GC Semi V		
Qualifier	Qualifier Description	4
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	5

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: 590-17777-1

Project/Site: Simplot Warden									
Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:46 Date Received: 06/15/22 13:55	I-June15-	3Pre1				L	ab Sample	e ID: 590-17 Matrix	7777-1 x: Solid
General Chemistry									
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.8		0.01	0.01	%			06/15/22 15:44	1
Percent Solids	89.2		0.01	0.01	%			06/15/22 15:44	1
Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:46 Date Received: 06/15/22 13:55	I-June15-	3Pre1				L		e ID: 590-17 Matrix Percent Solid	x: Solid
Method: 8011 - EDB									
Analyte	Posult	Qualifier	RL	МПІ	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)		F1 F2	0.054		ug/Kg			06/16/22 11:30	1
			0.001	0.000	ughtg				
Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55	I-June15-	3Pre2				L	ab Sample	e ID: 590-17 Matrix	7777-2 x: Solid
General Chemistry									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.9		0.01	0.01				06/15/22 15:44	1
Percent Solids	90.1		0.01	0.01	%			06/15/22 15:44	1
Client Sample ID: SVE-Soi		JFIEZ					ab Sample		
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB									x: Solid
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte	Result	Qualifier	RL		Unit	D	Prepared	Matriz Percent Solic Analyzed	x: Solid ds: 90.1 Dil Fac
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB			RL 0.054		Unit ug/Kg	D	Prepared	Matrix Percent Solic	x: Solid ds: 90.1
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55	ResultND	Qualifier				D	Prepared 06/16/22 09:33	Matri: Percent Solid Analyzed 06/16/22 12:19 e ID: 590-17	x: Solid ds: 90.1
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry	Result ND I-June15-	Qualifier 3Pre3	0.054	0.038	ug/Kg	<u>D</u> L	Prepared 06/16/22 09:33 ab Sample	Matri: Percent Solid Analyzed 06/16/22 12:19 e ID: 590-17 Matri:	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte	Result ND I-June15- Result	Qualifier	0.054	0.038	ug/Kg Unit	D	Prepared 06/16/22 09:33	Matrix Percent Solid Analyzed 06/16/22 12:19 e ID: 590-17 Matrix Analyzed	x: Solid ds: 90.1 Dil Fac 1 7777-3
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry	Result ND I-June15-	Qualifier 3Pre3	0.054	0.038	Unit %	<u>D</u> L	Prepared 06/16/22 09:33 ab Sample	Matri: Percent Solid Analyzed 06/16/22 12:19 e ID: 590-17 Matri:	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids	Result ND I-June15- Result 10.9 89.1	Qualifier 3Pre3 Qualifier	0.054 RL 0.01	0.038	Unit %	<u>D</u>	Prepared 06/16/22 09:33 ab Sample Prepared	Matri: Percent Solid 06/16/22 12:19 e ID: 590-17 Matri: <u>Analyzed</u> 06/15/22 15:44 06/15/22 15:44	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid Dil Fac 1 1
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil	Result ND I-June15- Result 10.9 89.1	Qualifier 3Pre3 Qualifier	0.054 RL 0.01	0.038	Unit %	<u>D</u>	Prepared 06/16/22 09:33 ab Sample Prepared	Matri: Percent Solid Analyzed 06/16/22 12:19 e ID: 590-17 Matriz Analyzed 06/15/22 15:44 06/15/22 15:44 e ID: 590-17	x: Solid ds: 90.1 <u>Dil Fac</u> 1 7777-3 x: Solid <u>Dil Fac</u> 1 1 7777-3
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55	Result ND I-June15- Result 10.9 89.1	Qualifier 3Pre3 Qualifier	0.054 RL 0.01	0.038	Unit %	<u>D</u>	Prepared 06/16/22 09:33 ab Sample Prepared ab Sample	Matri: Percent Solid 06/16/22 12:19 e ID: 590-17 Matriz Analyzed 06/15/22 15:44 06/15/22 15:44 e ID: 590-17 Matriz	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid Dil Fac 1 1 7777-3 x: Solid
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55	Result ND I-June15- Result 10.9 89.1	Qualifier 3Pre3 Qualifier	0.054 RL 0.01	0.038	Unit %	<u>D</u>	Prepared 06/16/22 09:33 ab Sample Prepared ab Sample	Matri: Percent Solid Analyzed 06/16/22 12:19 e ID: 590-17 Matriz Analyzed 06/15/22 15:44 06/15/22 15:44 e ID: 590-17	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid Dil Fac 1 1 7777-3 x: Solid
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 07:55 Date Received: 06/15/22 13:55 Method: 8011 - EDB	Result ND I-June15- Result 10.9 89.1 I-June15-	Qualifier 3Pre3 Qualifier 3Pre3	0.054 RL 0.01 0.01	0.038 RL 0.01 0.01	Unit % %	D D L	Prepared 06/16/22 09:33 ab Sample Prepared ab Sample	Matri: Percent Solid 06/16/22 12:19 2 ID: 590-17 Matriz 2 Matriz 06/15/22 15:44 06/15/22 15:44 06/15/22 15:44 2 ID: 590-17 Matriz Percent Solid	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid Dil Fac 1 1 7777-3 x: Solid ds: 89.1
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte	Result ND I-June15- Result 10.9 89.1 I-June15- Result	Qualifier 3Pre3 Qualifier	0.054 RL 0.01 0.01 RL	0.038 RL 0.01 0.01	Unit % % Unit	D D L	Prepared 06/16/22 09:33 ab Sample Prepared ab Sample Prepared	Matri: Percent Solid Analyzed 06/16/22 12:19 2 ID: 590-17 Matrix Analyzed 06/15/22 15:44 06/15/22 15:44 06/15/22 15:44 2 ID: 590-17 Matrix Percent Solid Analyzed	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid <u>Dil Fac</u> 1 1 7777-3 x: Solid ds: 89.1 Dil Fac
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB)	Result ND I-June15- Result 10.9 89.1 I-June15- Result ND	Qualifier 3Pre3 Qualifier 3Pre3 Qualifier	0.054 RL 0.01 0.01	0.038 RL 0.01 0.01	Unit % %	D D L	Prepared 06/16/22 09:33 ab Sample Prepared ab Sample Prepared	Matri: Percent Solid 06/16/22 12:19 2 ID: 590-17 Matriz 2 Matriz 06/15/22 15:44 06/15/22 15:44 06/15/22 15:44 2 ID: 590-17 Matriz Percent Solid	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid Dil Fac 1 1 7777-3 x: Solid ds: 89.1
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 Date Received: 06/15/22 13:55 Date Received: 06/15/22 13:55	Result ND I-June15- Result 10.9 89.1 I-June15- Result ND	Qualifier 3Pre3 Qualifier 3Pre3 Qualifier	0.054 RL 0.01 0.01 RL	0.038 RL 0.01 0.01	Unit % % Unit	D D L L	Prepared 06/16/22 09:33 ab Sample Prepared ab Sample Prepared ab Sample	Matri: Percent Solid Analyzed 06/16/22 12:19 2 ID: 590-17 Matrix Analyzed 06/15/22 15:44 06/15/22 15:44 06/15/22 15:44 2 ID: 590-17 Matrix Percent Solid Analyzed	x: Solid <u>Dil Fac</u> 1 7777-3 x: Solid <u>Dil Fac</u> 1 1 7777-3 x: Solid <u>Dil Fac</u> 1 1 <u>Dil Fac</u> 1 1 1 7777-3 <u>1</u>
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 07:55 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 08:00	Result ND I-June15- Result 10.9 89.1 I-June15- Result ND	Qualifier 3Pre3 Qualifier 3Pre3 Qualifier	0.054 RL 0.01 0.01 RL	0.038 RL 0.01 0.01	Unit % % Unit	D D L L	Prepared 06/16/22 09:33 ab Sample Prepared ab Sample Prepared ab Sample	Matri: Percent Solid Analyzed 06/16/22 12:19 2 ID: 590-17 Matri: 2 Matri: 06/15/22 15:44 06/15/22 15:44 06/15/22 15:44 2 ID: 590-17 Matri: Percent Solid Analyzed 06/16/22 12:35 2 ID: 590-17	x: Solid <u>Dil Fac</u> 1 7777-3 x: Solid <u>Dil Fac</u> 1 1 7777-3 x: Solid <u>Dil Fac</u> 1 1 <u>Dil Fac</u> 1 1 1 7777-3 <u>1</u>
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 07:55 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 08:00 Date Received: 06/15/22 13:55	Result ND I-June15- Result 10.9 89.1 I-June15- Result ND	Qualifier 3Pre3 Qualifier 3Pre3 Qualifier	0.054 RL 0.01 0.01 RL	0.038 RL 0.01 0.01	Unit % % Unit	D D L L	Prepared 06/16/22 09:33 ab Sample Prepared ab Sample Prepared ab Sample	Matri: Percent Solid Analyzed 06/16/22 12:19 2 ID: 590-17 Matri: 2 Matri: 06/15/22 15:44 06/15/22 15:44 06/15/22 15:44 2 ID: 590-17 Matri: Percent Solid Analyzed 06/16/22 12:35 2 ID: 590-17	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid <u>Dil Fac</u> 1 1 7777-3 x: Solid ds: 89.1 <u>Dil Fac</u> 1 7777-3 x: Solid
Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55 General Chemistry Analyte Percent Moisture Percent Solids Client Sample ID: SVE-Soil Date Collected: 06/15/22 07:55 Date Received: 06/15/22 07:55 Date Received: 06/15/22 13:55 Method: 8011 - EDB Analyte 1,2-Dibromoethane (EDB) Client Sample ID: SVE-Soil	Result ND I-June15- Result 10.9 89.1 I-June15- Result ND I-June15- Result ND I-June15-	Qualifier 3Pre3 Qualifier 3Pre3 Qualifier	0.054 RL 0.01 0.01 RL	0.038 RL 0.01 0.01 MDL 0.038	Unit % % Unit	D D L L	Prepared 06/16/22 09:33 ab Sample Prepared ab Sample Prepared ab Sample	Matri: Percent Solid Analyzed 06/16/22 12:19 2 ID: 590-17 Matri: 2 Matri: 06/15/22 15:44 06/15/22 15:44 06/15/22 15:44 2 ID: 590-17 Matri: Percent Solid Analyzed 06/16/22 12:35 2 ID: 590-17	x: Solid ds: 90.1 Dil Fac 1 7777-3 x: Solid <u>Dil Fac</u> 1 1 7777-3 x: Solid ds: 89.1 <u>Dil Fac</u> 1 7777-3 x: Solid

Eurofins Spokane

Client Sample Results

Client: HDR Inc

Job ID: 590-17777-1

Client: HDR Inc Project/Site: Simplot Warden								Job ID: 590-	17777-1
Client Sample ID: SVE-Soil-J Date Collected: 06/15/22 08:00 Date Received: 06/15/22 13:55	lune15-	-3Pre4				L	ab Sample.		7777-4 x: Solid
General Chemistry (Continued)									
Analyte	Result	Qualifier	RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Percent Solids	89.4		0.01	0.01	%			06/15/22 15:44	1
Client Sample ID: SVE-Soil-J	lune15-	-3Pre4				L	ab Sample	D: 590-1	7777-4
Date Collected: 06/15/22 08:00							-	Matri	x: Solid
Date Received: 06/15/22 13:55								Percent Soli	ds: 89.4
Method: 8011 - EDB									
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.053	0.037	ug/Kg	☆	06/16/22 09:33	06/16/22 12:52	1
Client Sample ID: SVE-Soil-J Date Collected: 06/15/22 07:30 Date Received: 06/15/22 13:55	lune15-	3DUP				L	ab Sample.		7777-5 x: Solid
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.9		0.01	0.01	%			06/15/22 15:44	
Percent Solids	89.1		0.01	0.01	%			06/15/22 15:44	1
Client Sample ID: SVE-Soil-J Date Collected: 06/15/22 07:30 Date Received: 06/15/22 13:55	fulle 15-	-300P					ab Sample.		x: Solid
Method: 8011 - EDB Analyte	Booult	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND	Quaimer	0.054		ug/Kg		06/16/22 09:33		
Client Sample ID: SVE-Soil-J Date Collected: 06/15/22 08:25 Date Received: 06/15/22 13:55	lune15-	3ERB				L	ab Sample.		7777-6 : Water
Method: 8011 - EDB									
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		06/16/22 14:05	06/16/22 15:24	1
Client Sample ID: SVE-Soil-J Date Collected: 06/15/22 08:30 Date Received: 06/15/22 13:55	lune15-	-3FB				L	ab Sample.		7777-7 : Water
Method: 8011 - EDB									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		06/16/22 14:05	06/16/22 15:41	1
Client Sample ID: Trip Blank Date Collected: 06/15/22 00:00 Date Received: 06/15/22 13:55						L	ab Sample.		7777-8 x: Solid
Method: 8011 - EDB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.050	0.035	ug/Kg		06/16/22 09:33	06/16/22 13:24	1

Method: 8011 - EDB

Lab Sample ID: MB 590-36	559/2-A						Cli	ent Samj	ole ID: Meth	od Blar
Matrix: Solid									Prep Type:	Total/N
Analysis Batch: 36563									Prep Bato	h: 3658
		MB MB								
Analyte	Re	sult Qualifier	F	RL	MDL Unit			Prepared	Analyzed	Dil Fa
1,2-Dibromoethane (EDB)		ND	0.0	50	0.035 ug/K	g	06/	16/22 09:33	06/16/22 10:5	57
Lab Sample ID: LCS 590-3	6559/3-A					Clie	ent Sa	mple ID:	Lab Contro	I Samp
Matrix: Solid								- C	Prep Type:	
Analysis Batch: 36563									Prep Bato	
			Spike	LCS	LCS				%Rec	
Analyte			Added	Resul	t Qualifier	Unit	D	%Rec	Limits	
1,2-Dibromoethane (EDB)			1.00	1.08	3	ug/Kg		108	60 - 140	
Lab Sample ID: 590-17777	-1 MS					Client	Samp	le ID: SV	E-Soil-June	15-3Pre
Matrix: Solid									Prep Type:	
Analysis Batch: 36563									Prep Bato	
	Sample	Sample	Spike	м	S MS				%Rec	
Analyte	•	Qualifier	Added		t Qualifier	Unit	D	%Rec	Limits	
1,2-Dibromoethane (EDB)		F1 F2	1.12	0.784		ug/Kg	 \$	70	60 - 140	
Lab Sample ID: 590-17777	-1 MSD					Client	Samn	le ID: SV	E-Soil-June	15-3Pre
Matrix: Solid							- annp		Prep Type:	
Analysis Batch: 36563									Prep Bato	
	Sample	Sample	Spike	MSE	MSD				%Rec	RF
Analyte	•	Qualifier	Added	-	t Qualifier	Unit	D	%Rec		PD Lin
1,2-Dibromoethane (EDB)		F1 F2	1.11		F1 F2	ug/Kg	 ¢	56	60 - 140	23
Lab Sample ID: MB 590-36	573/1-A						Cli	ent Samı	ole ID: Meth	od Blar
Matrix: Water									Prep Type:	
Analysis Batch: 36563									Prep Bato	
		МВ МВ								
Analyte	Re	sult Qualifier	F	RL	MDL Unit		DF	repared	Analyzed	Dil F
1,2-Dibromoethane (EDB)		ND	0.0		.0025 ug/L			•	06/16/22 14:3	
Lab Sample ID: LCS 590-3	6573/2-A					Clie	ent Sa	mple ID:	Lab Contro	l Samp
Matrix: Water									Prep Type:	
Analysis Batch: 36563									Prep Bato	
			Spike	LCS	LCS				%Rec	
Analyte			Added		t Qualifier	Unit	D	%Rec	Limits	
1,2-Dibromoethane (EDB)			0.125	0.124		ug/L		99	60 - 140	
Lab Sample ID: LCSD 590	-36573/3-A				C	Client Sa	ample	ID: Lab	Control Sar	nple Du
Matrix: Water									Prep Type:	
									Prep Bate	
Analysis Batch: 36563			Spike	LCSF	LCSD					
			Spike Added) LCSD t Qualifier	Unit	D	%Rec	%Rec	RF PD Lin

Method: Moisture - Percent Moisture

Lab Sample ID: 590-17777 Matrix: Solid Analysis Batch: 36551	'-1 DU				Client S	Sample ID:	SVE-Soil-June15- Prep Type: Tot	
	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Percent Moisture	10.8		10.4		%		4	20
Percent Solids	89.2		89.6		%		0.5	20
- Lab Sample ID: 590-1777	-2 DU				Client S	Sample ID:	SVE-Soil-June15-	3Pre2
Matrix: Solid							Prep Type: Tot	
Analysis Batch: 36551								
	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Percent Moisture	9.9		9.7		%		2	20
Percent Solids	90.1		90.3		%		0.3	20

Eurofins Spokane

Initial

Amount

Initial

Amount

10.44 g

Initial

Amount

Final

Amount

Final

Amount

2 mL

Final

Amount

Batch

36551

Batch

36559

36563

Batch

36551

Number

Number

Number

Dil

1

Dil

1

Dil

Factor

Factor

Factor

Run

Run

Run

Prep Type

Prep Type

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Client Sample ID: SVE-Soil-June15-3Pre1 Date Collected: 06/15/22 07:46 Date Received: 06/15/22 13:55

Client Sample ID: SVE-Soil-June15-3Pre1

Client Sample ID: SVE-Soil-June15-3Pre2

Client Sample ID: SVE-Soil-June15-3Pre2

Batch

Method

Moisture

Batch

8011

8011

Batch

Method

Moisture

Method

Batch

Туре

Date Collected: 06/15/22 07:46 Date Received: 06/15/22 13:55

Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55

Date Collected: 06/15/22 07:51 Date Received: 06/15/22 13:55

Analysis

Batch

Туре

Prep

Analysis

Batch

Type

Analysis

	L. L	Job ID: 59	90-17777-1	
T	ab Sample	ID: 500	17777 1	
Ľ	an Sample			
		Ma	atrix: Solid	
	Prepared			
ər	or Analyzed	Analyst	Lab	5
	06/15/22 15:44		TAL SPK	
	00/10/22 10.44			
L	ab Sample	ID: 590)-17777-1	
	-	Ма	atrix: Solid	
	Р	ercent S	olids: 89.2	
				0
	Prepared			8
ər	or Analyzed	Analyst	Lab	
	06/16/22 09:33	NMI	TAL SPK	9
	06/16/22 11:30	NMI	TAL SPK	
-	ah Camula	ID. 500	47777.0	
L	ab Sample			
		Ма	atrix: Solid	
	Prepared			
ər	•	Analyst	Lab	
	06/15/22 15:44		TAL SPK	
L	ab Sample	ID: 590	-17777-2	
		Ма	atrix: Solid	
	Р	ercent S	olids: 90.1	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			10.22 g	2 mL	36559	06/16/22 09:33	NMI	TAL SPK
Total/NA	Analysis	8011		1			36563	06/16/22 12:19	NMI	TAL SPK

Client Sample ID: SVE-Soil-June15-3Pre3 Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Moisture 36551 06/15/22 15:44 NMI TAL SPK Analysis 1

Client Sample ID: SVE-Soil-June15-3Pre3 Date Collected: 06/15/22 07:55 Date Received: 06/15/22 13:55

Lab Sample ID: 590-17777-3 Matrix: Solid Percent Solids: 89.1

Lab Sample ID: 590-17777-4

Lab Sample ID: 590-17777-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			10.24 g	2 mL	36559	06/16/22 09:33	NMI	TAL SPK
Total/NA	Analysis	8011		1			36563	06/16/22 12:35	NMI	TAL SPK

Client Sample ID: SVE-Soil-June15-3Pre4 Date Collected: 06/15/22 08:00 Date Received: 06/15/22 13:55

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			36551	06/15/22 15:44	NMI	TAL SPK

Eurofins Spokane

Matrix: Solid

Client: HDR In	С							· ·	lob ID: 59	90-17777-
Project/Site: S	implot Warde	n								
Client Sam	d: 06/15/22 0	8:00	e15-3Pre4	4			L	ab Sample	Ма	atrix: Soli
Date Receive	d: 06/15/22 1	3:55						P	ercent S	olids: 89.
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	- 8011			10.47 g	2 mL	36559	06/16/22 09:33	NMI	TAL SPK
Total/NA	Analysis	8011		1	g		36563	06/16/22 12:52		TAL SPK
Client Sam	ole ID: SVE	E-Soil-June	15-3DUF)			L	ab Sample	ID: 590	-17777.
Date Collecte Date Receive	d: 06/15/22 0	7:30								atrix: Soli
				Dil	luciti e l	Final	Detak	Duenened		
Data Trans	Batch	Batch	Dura	Dil	Initial	Final	Batch	Prepared	Amahuat	Lab
Prep Type Total/NA	Type Analysis	_ Method Moisture	Run	Factor	Amount	Amount	36551	or Analyzed 06/15/22 15:44	Analyst NMI	TAL SPK
- Client Sam	nle ID: SVF	-Soil-June	15-3011	>				ab Sample	ID: 590	_17777
Date Collecte								ab Sample		atrix: Sol
Date Collecte								Р	ercent S	
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8011			40.40					TAL SPK
					10.46 g	2 mL	36559	06/16/22 09:33	NMI	TAL SPN
 Client Sam	Analysis	8011	915-3ERE	1 3	10.46 g	2 mL	36563	06/16/22 09:33 06/16/22 13:08 ab Sample	NMI	TAL SPK
 Client Sam Date Collecte Date Receive	Analysis ple ID: SVE d: 06/15/22 0	8011 E-Soil-June 8:25	915-3ERE		10.46 g	2 mL	36563	06/16/22 13:08	NMI ID: 590	TAL SPK
- Client Sam Date Collecte	Analysis ple ID: SVE d: 06/15/22 0	8011 E-Soil-June 8:25	915-3ERE		10.46 g	2 mL	36563	06/16/22 13:08	NMI ID: 590	TAL SPK
- Client Sam Date Collecte	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1	8011 E-Soil-June 18:25 3:55	e15-3ERE	3			36563	06/16/22 13:08 ab Sample	NMI ID: 590	TAL SPK
- Client Sam Date Collecte Date Received -	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch	8011 E-Soil-June 18:25 3:55 Batch		B Dil	Initial	Final	36563 L Batch	06/16/22 13:08 ab Sample Prepared	NMI ID: 590 Ма	TAL SPK -17777 trix: Wat
Client Sam Date Collecte Date Received	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type	8011 E-Soil-June 18:25 3:55 Batch Method		B Dil	Initial Amount	Final Amount	36563 L Batch Number	06/16/22 13:08 ab Sample Prepared or Analyzed	NMI ID: 590 Ma Analyst NMI	TAL SPK -17777 trix: Wat Lab TAL SPK
Client Sam Date Collecte Date Received Total/NA Total/NA	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis	8011 E-Soil-June 8:25 3:55 Batch Method 8011 8011	Run	Dil Factor	Initial Amount	Final Amount	36563 L Batch <u>Number</u> 36573 36563	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05	NMI ID: 590 Ma Analyst NMI NMI	TAL SPK -17777 trix: Wat Lab TAL SPK TAL SPK
Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA Client Sam Date Collecte	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0	8011 E-Soil-June 8:25 3:55 Batch Method 8011 8011 E-Soil-June 8:30	Run	Dil Factor	Initial Amount	Final Amount	36563 L Batch <u>Number</u> 36573 36563	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24	NMI ID: 590 Ma Analyst NMI NMI ID: 590	TAL SPK -17777 trix: Wat Lab TAL SPK TAL SPK -17777
Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA Client Sam Date Collecte	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0	8011 E-Soil-June 8:25 3:55 Batch Method 8011 8011 E-Soil-June 8:30	Run	Dil Factor	Initial Amount	Final Amount	36563 L Batch <u>Number</u> 36573 36563	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24	NMI ID: 590 Ma Analyst NMI NMI ID: 590	TAL SPK -17777 trix: Wat Lab TAL SPK TAL SPK -17777
Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA Client Sam Date Collecte Date Received	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch	8011 E-Soil-June 8:25 3:55 Batch Method 8011 8011 E-Soil-June 8:30 3:55 Batch	<u>Run</u>	Dil Factor 1 Dil	Initial Amount 80 mL	Final Amount 2 mL Final	36563 L Batch Number 36573 36563 L Batch	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24 ab Sample Prepared	NMI ID: 590 Mar Analyst NMI NMI ID: 590 Mar	TAL SPK -17777 trix: Wat Lab TAL SPK TAL SPK -17777 trix: Wat
Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA Client Sam Date Collecte Date Received Prep Type	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type	8011 E-Soil-June 8:25 3:55 Batch Method 8011 8011 E-Soil-June 8:30 3:55 Batch Method	Run	Dil Factor	Initial Amount 80 mL Initial Amount	Final Amount 2 mL Final Amount	36563 L Batch Number 36573 36563 L Batch Number	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24 ab Sample Prepared or Analyzed	NMI ID: 590 Ma Analyst NMI NMI ID: 590 Ma	TAL SPK -17777 trix: Wat Lab TAL SPK TAL SPK -17777 trix: Wat
Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA Client Sam Date Collecte Date Received Prep Type Total/NA	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Prep	8011 E-Soil-June 8:25 3:55 Batch Method 8011 8011 E-Soil-June 8:30 3:55 Batch Batch Method 8:30 3:55	<u>Run</u>	Dil Factor 1 Dil Factor	Initial Amount 80 mL	Final Amount 2 mL Final	36563 L Batch Number 36573 36563 L Batch Number 36573	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24 ab Sample Prepared or Analyzed 06/16/22 14:05	NMI ID: 590 Ma Analyst NMI ID: 590 Ma Analyst NMI	TAL SPK -17777- trix: Wate TAL SPK TAL SPK -17777- trix: Wate Lab TAL SPK
Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis	8011 E-Soil-June 8:25 3:55 Batch Method 8011 8011 E-Soil-June 8:30 3:55 Batch Method 8011 8011 8:011 8:011 8:011 8:011 8:011 8:011	<u>Run</u>	Dil Factor 1 Dil	Initial Amount 80 mL Initial Amount	Final Amount 2 mL Final Amount	36563 L Batch Number 36573 36563 L Batch Number 36573 36563	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:41	NMI ID: 590 Ma NMI NMI ID: 590 Ma Analyst NMI NMI	TAL SPK -17777 trix: Wat Lab TAL SPK TAL SPK -17777 trix: Wat Lab TAL SPK TAL SPK TAL SPK
Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA Client Sam Date Collecte Date Received Total/NA Total/NA Total/NA Client Sam Date Collecte	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: Trip d: 06/15/22 0	8011 E-Soil-June 8:25 3:55 Batch Method 8:30 3:55 Batch Method 8:30 3:55 Batch 0:00	<u>Run</u>	Dil Factor 1 Dil Factor	Initial Amount 80 mL Initial Amount	Final Amount 2 mL Final Amount	36563 L Batch Number 36573 36563 L Batch Number 36573 36563	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24 ab Sample Prepared or Analyzed 06/16/22 14:05	NMI ID: 590 Ma Analyst NMI ID: 590 Ma Analyst NMI NMI ID: 590	TAL SPK -17777 trix: Wat Lab TAL SPK TAL SPK trix: Wat Lab TAL SPK TAL SPK TAL SPK TAL SPK TAL SPK
Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA Client Sam Date Collecte Date Received Prep Type Total/NA	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: Trip d: 06/15/22 0	8011 E-Soil-June 8:25 3:55 Batch Method 8:30 3:55 Batch Method 8:30 3:55 Batch 0:00	<u>Run</u>	Dil Factor 1 Dil Factor	Initial Amount 80 mL Initial Amount	Final Amount 2 mL Final Amount	36563 L Batch Number 36573 36563 L Batch Number 36573 36563	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:41	NMI ID: 590 Ma Analyst NMI ID: 590 Ma Analyst NMI NMI ID: 590	TAL SPK -17777- trix: Wate TAL SPK TAL SPK -17777- trix: Wate Lab TAL SPK TAL SPK TAL SPK TAL SPK TAL SPK
Client Sam Date Collecte Date Received Prep Type Total/NA Total/NA Client Sam Date Collecte Date Received Total/NA Total/NA Total/NA Client Sam Date Collecte	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: Trip d: 06/15/22 0 d: 06/15/22 1	8011 E-Soil-June 8:25 3:55 Batch Method 8:30 3:55 Batch Method 8:30 3:55 Batch Method 8:011 8:011 0:00 3:55	<u>Run</u>	B Dil Factor 1 Dil Factor 1	Initial Amount 80 mL Initial Amount 80 mL	Final Amount 2 mL Final Amount 2 mL	36563 L Batch <u>Number</u> 36573 36563 L Batch <u>Number</u> 36573 36563 L	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 14:05 06/16/22 15:41 ab Sample	NMI ID: 590 Ma Analyst NMI ID: 590 Ma Analyst NMI NMI ID: 590	TAL SPK -17777- trix: Wate Lab TAL SPK TAL SPK -17777- trix: Wate Lab TAL SPK TAL SPK TAL SPK TAL SPK
Client Sam Date Collecte Date Received Total/NA Total/NA Client Sam Date Collecte Date Received Total/NA Total/NA Total/NA	Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: SVE d: 06/15/22 0 d: 06/15/22 1 Batch Type Prep Analysis ple ID: Trip d: 06/15/22 0 d: 06/15/22 1 Batch	8011 E-Soil-June 8:25 3:55 Batch Method 8011 8011 E-Soil-June 8:30 3:55 Batch Method 8011 8011 0:00 3:55 Batch 0:00 3:55 Batch	Run	B Dil Factor 1 Dil Factor 1 Dil	Initial Amount 80 mL Initial Amount 80 mL	Final Amount 2 mL Final Amount 2 mL Final	36563 L Batch Number 36573 36563 L Batch Number 36573 36563 L Batch	06/16/22 13:08 ab Sample Prepared or Analyzed 06/16/22 14:05 06/16/22 15:24 ab Sample Prepared 06/16/22 14:05 06/16/22 14:05 06/16/22 15:41 ab Sample Prepared	NMI ID: 590 Ma Analyst NMI ID: 590 Ma ID: 590 Ma Analyst	TAL SPK -17777- trix: Wate TAL SPK TAL SPK TAL SPK trix: Wate Lab TAL SPK TAL SPK TAL SPK TAL SPK TAL SPK TAL SPK TAL SPK

Lab Chronicle

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

8

Laboratory: Eurofins Spokane

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

Authority	Pre	ogram	Identification Number	Expiration Date
Washington	Sta	ate	C569	01-06-23
The following analytes	are included in this rend	rt but the laboratory is r	not certified by the governing authority	This list may include analytes for whic
the agency does not c	•		for contined by the governing autionty.	This list may mondee analytes for white
• •	•	Matrix	Analyte	
the agency does not o	offer certification.	•	, , , , ,	

Eurofins Spokane

Method Summary

Client: HDR Inc Project/Site: Simplot Warden

Method	Method Description	Protocol	Laboratory
8011	EDB	EPA	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
8011	Microextraction	SW846	TAL 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:

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

Latonio oponano

11922 East 1st Ave

Chain of Custody Record

3	eurofins
---	----------

Environment Testing America

Spokane,	WA 99206	
Phone (50) 924-9200 Phone (509) 924-9290	

Client Information	Sampler Jered Newcomi	b, JAN		Lab I Arri		n, Ran	idee	E			ľ	Carrier	Trackin	g No(s)	i:		CO 590	C No: D-7430-2162	.1	
Client Contact: Jered Newcomb	Phone: 509-899-4371			E-Ma		Arrino	iton//	i)et.euro	ofineue	com		State o WA	(Origin:				Pag	e: ge 1 of 1		
Company:	003-033-4371		PWSID:	Inter	1000./	-ining	nonie	get.eurt			-						Job			
HDR Inc	In				54-51 8 8				Anal	ysis I	Req	uest	ed	-1	.				4	
Address: 835 N Post St. Ste 101	Due Date Request	90.															- 4	servation Co	M Hexane	
City: Spokane	TAT Requested (d	^{ays):} 24 hc	r														ĮВ	NaOH Zn Acetate	N None O AsNaO2	
State, Zip:						46.5											D	Nitric Acid NaHSO4	P Na2O4S	
WA, 99202 Phone:	Compliance Project PO #:	ct: A Yes	A No		┥║												F	MeOH	Q Na2SO3 R Na2S2O3	3
509-899-4371	Purchase Orde	r Requested	ł		õ												н	Amchlor Ascorbic Acid	S H2SO4 T TSP Dode	ecahydrate
^{Email:} jered.newcomb@hdrinc.com	WO #:				or No)	ş										1000	ý J	ice Di Waler	U Acelone V MCAA	
Project Name: Simplot Warden	Project #: 59002373				le (Yes	2										a di tanàn Angli tanàn	e K	edta Eda	W pH 4-5 Z other (spe	ecify)
Site:	SSOW#:					Š										a substantia		er.		
Warden WA		T		Matrix		OSM														
			Sample	(W=water	tered	EDB FDB	2									utata (1974)	al Number			
		Sample	Type (C=comp,	S=solid, O=waste/oil BT=Tissue,	lii p	SS 86.										all was	Z			
Sample Identification	Sample Date	Time	G=grab)	A=Air)	E	Perft 8011							I	I	1 1			Special I	nstructions/	Note:
		\geq	Preserv	ation Code:	X	XΝ	4	_1		at 1.61 191	6 1410 I	mu	MAM							and a second
SVE-Soil-June[5-3Pre1	6/15 /2022	746	G	S	N	NX														
SVE-Soil-June(Ҕ-3Pre2	6/15/2022	751	G	s	Ν	NX	<													
SVE-Soil-June 5-3Pre3	6/ 15/2022	755	G	s	Ν	N >	<			0-1777	開開	Nilli nain O	(Cust	ody						
SVE-Soil-June ち-3Pre4	6/5/2022	800	G	s	Ν	N >	<	Τ.	_59	<u>0-1777</u>	101	1		1						
SVE-Soil-June (5-3DUP	6/15/2022	730	G	s	N	NX	<													
SVE-Soil-June(5-3ERB	6/15 /2022	825	G	w	N	N >	<										ER	B Equipmer	nt Rinsale Blan	k
SVE-Soil-June 5-3FB	6/ (5 /2022	830	G	w	N	NX	<										FB	Field Blank		
Trip Blank				s	N	NX	<													
					П														•••••	
					Ħ											Ĩ				
					\square		-						-	-						
Possible Hazard Identification			<u></u>			Samp	le D	isposal	(A fee	may	be as	sess	ed if s	amp	les are	retai	ined I	onger than	1 month)	
Non-Hazard Flammable Skin Irritant Pois	on B Unkr	nown	Radiologica	al				ım To C		1			al By L	ab		Arc	chive I	For	Months	
Deliverable Requested: I II III IV Other (specify)					5	Specia	al Ins	structior	is/QC F	Require	men	ls:								
Empty Kit Relinquished by:		Date			Tim	ie:		,	~ /	/		M	felhod c							
Relinquished by: Lered New row b	Date/Time: 6/15/22 (Q135"	5	Company		Re		1.0	al	C				Date	prime	h	2	1355	- Company	510
Relinguished by:	Date/Time:		- <u> </u>	Company		RÉ	ceive		/						e/Time:				Company	
Relinquished by:	Date/Time:			Company		Re	ceive	d by:						Date	e/Time:				Company	
Custody Seals Intact: Custody Seal No.	1					Co	oler T	emperatu	re(s) °C a	and Othe	er Rem	narks:	~~*		 ۲ ت	<u> </u>	~			
Δ Yes Δ No				Page 14	lof	15		-					6	ंऽ	C	LC	111	1 1Roo	ъ 6/	16/2022

Login Sample Receipt Checklist

Client: HDR Inc

Login Number: 17777 List Number: 1 Creator: Vaughan, Madison 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: 590-17777-1

List Source: Eurofins Spokane

Christer Loftenius, Ecology June 17, 2022 Page 6

D

SVE System Parameters Logs

hdrinc.com

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

Table 1 - Soil Vapor Extraction Pilot Test Field Data Collection Example

Treatment Start Time:	815	Weather: Junny ~ 6507-	Baron	netric Pres	sure: <u>}</u> ∂,	Binty			
		freatment Pile #	Extraction System				Soil Vapor (PID		
Test Designation	Date/Time	Visual Observations	Blower Inlet Vacuum	Dilution Air Flowrate	Blower Outlet Flow Rate	Blower Outlet Temperatur e	Influent (Prior to GAC)	Effluent (After GAC)	
> d.		Indicating Negative Pressure is Present	(in H ₂ O) ⁽¹⁾	(cfm)	(cfm)	(°F)	(ppm)	(ppm)	
PrestantupInta	6/1/22;838	Yes	- 7.0	0	-7	105	3.1	6.4	
Step 1	853	165	7,0	MO.	1	1250128	2.4	6.3	
Step 1	908	Yer	7.0	0		121	2.4	0.3	
Step 1	923	125	7.0	U		132	2.1	0.4	
Step 2	945	Yer	6.0	~25%		134	18	- 03	
Step 2	1000	Ves	6.8	~ 25%		124	19	0,1	
Step 2	1015	Yer	Giù	~25%		135	5019	0,2	
Step 3	1036	N25	5.5			136	1.41	0,2	
Step 3	1045	Yer	5.5	100 50%	S. 15	138	1.4	02	
Step 3	1/05	Yes	.5.5	14040		140	1.3	0.3	
Constant Rate Test	1225	Yes	7,5	0		144	0	6.2	
Constant Rate Test	1330	Yer	7.6	0		144	1.5	0.4	
Constant Rate Test	1425	Yes	7.0	0		144	1.1	0.6	
Constant Rate Test	1527	Yer	70	0		144	0,0	0.6	
Constant Rate Test	1(3)	Yes.	7.0	G		140	0,0	0.0	
Constant Rate Test	1520	705	7.0	0		143	C.O	C_a	
Constant Rate Test	(12/2) 847	Yos	7.0	Q	and a star	132	G, O	0.0	
Constant Rate Test	1534	125	7.0	0		156	0.0	0.0	
Constant Rate Test	6/3/22 807	Ver	5.0	O		148	0.0	0,0	
Constant Rate Test	No/03/22 1515	Ter	7.0	0		153	0.0	1.0	
Constant Rate Test	04/04/22 0855	Yes	7.0	0		135	8.0	8.0	
Constant Rate Test	0604/22,1240	Yes	7.0	0		145	0,0	0.1	
Constant Rate Test	ado4/221557)	Yea	6.0	Ō	State State	165	0.0	1.7	
	06/05/22-0942	Yes	60	0		158	0.0	0.7	
1) - Vacuum measured Dilwhw Valve		gauge. 1210 Yes in H ₂ O cfm	inches of water co cubic feet per mini			165	0.0	2.2	
5090; 37in	H,0		Not monitored						

)550; 19 in Hau

06/04/22 - Bain, windy, overcast in morning, sunny in afternoon

ablosticz - cloudy, breezy in morning

Table 2 - Soil Vapor Extraction Field Data Collection Example

Date: 0/01/21 Treatment Start Time:		Weather: Overcast, breezy Barometric Pressure: 29.90 in Hg							
		Treatment Pile ##	Extraction System Operation Parameters				Soil Vapor (PID Readings)		
Data Designation	Date/Time	Visual Observations Indicating Negative Pressure is Present	Blower Inlet Vacuum	Dilution Air Flowrate	Blower Outlet Flow Rate	Blower Outlet Temperature	Influent (Prior to GAC)	Effluent (After GAC)	
		(Yes / No)	(in H ₂ O) ⁽¹⁾	(cfm)	(cfm)	(°F)	(ppm)	(ppm)	
Initial	06/08/22-21:0	p Ve	6.0			164	1.0	2.2	
Day 1	G6/09/2-0907	105	7.6			120	0.0	2.4	-Star
Day 1 Day 2	06/07/2-14.20	Yes	6.0			165	97	5.0	1
Day 2 Day 3									1
Day 4]
Day 5									4
Day 6									-
Day 7									-
									4
				~					1
]
									4
									-
									-
									. C.,
]
									-
									4

(1) - Vacuum measured with a Magnehelic gauge.

in inches of water column

cf cubic feet per minute

-- Not monitored