



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

June 14, 2024

1301 Academy St.
Fort Collins, CO 80525
800-288-2657
lglazier@cgrs.com

Project Manager : Lauren Glazier
Project Name : Kindt Site Closure
Project Number : 26965

Attached are the analytical results for Kindt Site Closure 26965 received by Elevation Diagnostics, Division of Environmental Testing on May 29, 2024. This is associated with Elevation's number AA08590 .

The results were analyzed under the guidelines of various methods. These methods are identified in the report as follows: "SW" is referring to the EPA's SW-846 Compendium; "EPA" is referring to 40 CFR part 136; "HACH" is referring to a method which was validated by HACH®; "SM" is referring to a revision of the Standard Methods For the Examination of Water and Wastewater; and "ASTM" is referring to the standard test method set forth by ASTM International.

The analytical results in this report apply specifically to the samples listed in the attached Chain of Custody. This report may only be duplicated in full.

Any deviations to sample integrity, method specifications, or Elevation Diagnostics's standard operating procedures are documented in the report below.

Please contact us for any questions or comments concerning the content of this report.

Thank you,

Elevation Diagnostics, Division of Environmental Testing

Kristen Reichel
Laboratory Director
CSO,CCO

Chain of Custody Form

Elevation Diagnostics

2115 North Scranton Street Suite 3040A Aurora, CO 80045
800.440.5184

Client: CGRS
 Address: 1301 Academy Ct
 City/State/ZIP: Fort Collins, CO 80525
 Phone: 315-657-4720
 Project Contact: Lauren Glazier

Project Name: Kindt Site Closure
 Project Location: #26965
 Collector Name: Mitchell Bond

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Notes	
					HCl	HNO ₃	None	Other	Water	Soil	Other	Full Table 915-1					
1	PWCO3 @ 3'	05/28/24	1010	3			X			X		X					
2	PWCO4 @ 3'		1030	3			X			X		X					
3	PWCO5 @ 2'		1115	3			X			X		X					
4	PWCO1 @ 3'		1145	3			X			X		X					
5																	
6																	
7																	
8																	
9	PWCO3 @ 4'		1015	3			X			X		X					
10	PWCO1 @ 4'		1150	3			X			X		X					

Relinquished By: <u>Mitchell Bond</u>	Relinquished By: _____	Relinquished By: _____	Scan to Deliver Samples
Date/Time: <u>05/28/24 1600</u>	Date/Time: _____	Date/Time: _____	
Lab Use Only	Observed Temperature Upon Receipt: <u>cooler 1 - 0.4°C</u> <u>cooler 2 - 4.8°C</u> <u>cooler 1 - 0.4°C</u> <u>cooler 2 - 4.5°C</u>	Samples Intact: <u>Yes</u> <u>No</u> pH Checked: <u>Yes</u> <u>No</u> pH Adjusted: <u>Yes</u> <u>No</u> Name/Lot Number of Adjustment: _____	2024-05-29-003
	Thermometer #: <u>EDXEQ238</u> Correction Factor: <u>+1.3°C</u>		

Density error
Sat 5.29.2024



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Report Date : 6/14/2024

Report Time : 10:23

FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name	Analysis Start	Recovery					
AA08590-1	PWC03 @ 3'	Collected : 05/28/2024	10:10				
SAR - Calcium		05/31/2024	11:24	10.00	0.277	mEq/L	0.000 EPA 6020B
SAR - Magnesium		05/31/2024	11:24	10.00	0.040	mEq/L	0.000 EPA 6020B
SAR - Sodium		05/31/2024	11:24	10.00	34.041	mEq/L	0.000 EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24	10.00	85.578		0.000 EPA 6020B
Soil Conductivity		05/31/2024	16:51		6.61	mmhos/cm	USDA 60
AA08590-2	PWC03 @ 3'	Collected : 05/28/2024	10:10				
Chromium VI, Soil		05/31/2024	10:47		<0.0800 - MS	mg/kg	0.080 EPA 7199
Hot Water Soluble Boron		06/10/2024	11:31		5.940	mg/kg	0.050 Boron Hot Water Extraction
pH, Soils Temperature		06/03/2024	15:32		21.3	°C	
pH, Soils		06/03/2024	15:32		9.94	S.U.	0.01 EPA 9045D
Total Metals, Soils - Arsenic		06/06/2024	11:35	10.00	1.629	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Barium		06/06/2024	11:35	10.00	160.902	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Cadmium		06/06/2024	11:35	10.00	0.108	mg/kg	0.001 EPA 6020B
Total Metals, Soils - Copper		06/06/2024	11:35	10.00	4.973	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Lead		06/06/2024	11:35	10.00	6.166	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Nickel		06/06/2024	11:35	10.00	3.710	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Selenium		06/06/2024	11:35	10.00	2.003 - MS	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Silver		06/06/2024	11:35	10.00	<0.250 - RL1	mg/kg	0.025 EPA 6020B
Total Metals, Soils - Zinc		06/06/2024	11:35	10.00	13.806	mg/kg	0.025 EPA 6020B
AA08590-3	PWC03 @ 3'	Collected : 05/28/2024	10:10				
DRO & ORO, Soil - DRO		05/31/2024	10:47		Not Detected	mg/kg	100.00 EPA 8015D
DRO & ORO, Soil - ORO		05/31/2024	10:47		Not Detected	mg/kg	100.00 EPA 8015D
Gasoline Range Organics, Soil		06/07/2024	15:53		0.360	mg/kg	0.26827 EPA 8260
SVOC, Soils - 1-methylnaphthalene		06/13/2024	00:00		Not Detected	mg/kg	0.010 EPA 8270
SVOC, Soils - 2-methylnaphthalene		06/13/2024	00:00		<0.010	mg/kg	0.010 EPA 8270
SVOC, Soils - Acenaphthene		06/13/2024	00:00		Not Detected	mg/kg	0.010 EPA 8270
SVOC, Soils - Anthracene		06/13/2024	00:00		<0.010	mg/kg	0.010 EPA 8270
SVOC, Soils - Benz(a)anthracene		06/13/2024	00:00		Not Detected	mg/kg	0.010 EPA 8270
SVOC, Soils - Benzo(a)pyrene		06/13/2024	00:00		Not Detected	mg/kg	0.010 EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		06/13/2024	00:00		Not Detected	mg/kg	0.010 EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		06/13/2024	00:00		Not Detected	mg/kg	0.010 EPA 8270
SVOC, Soils - Chrysene		06/13/2024	00:00		Not Detected - MS	mg/kg	0.010 EPA 8270
SVOC, Soils - Dibenzo(a,h)anthracene		06/13/2024	00:00		Not Detected	mg/kg	0.010 EPA 8270
SVOC, Soils - Fluoranthene		06/13/2024	00:00		<0.010	mg/kg	0.010 EPA 8270
SVOC, Soils - Fluorene		06/13/2024	00:00		0.015	mg/kg	0.010 EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		06/13/2024	00:00		Not Detected	mg/kg	0.010 EPA 8270
SVOC, Soils - Naphthalene		06/13/2024	00:00		Not Detected	mg/kg	0.010 EPA 8270
SVOC, Soils - Pyrene		06/13/2024	00:00		<0.010 - MS	mg/kg	0.010 EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		06/06/2024	13:24		0.012	mg/kg	0.00245 EPA 8260d
VOC, Soils - 1,3,5-trimethylbenzene		06/06/2024	13:24		0.007	mg/kg	0.005 EPA 8260d
VOC, Soils - Benzene		06/06/2024	13:24		Not Detected	mg/kg	0.00242 EPA 8260d
VOC, Soils - Ethylbenzene		06/06/2024	13:24		<0.005	mg/kg	0.005 EPA 8260d
VOC, Soils - m&p- xylene		06/06/2024	13:24		<0.00427	mg/kg	0.00427 EPA 8260d



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FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name	Analysis Start						Recovery
VOC, Soils - o-xylene		06/06/2024 13:24		<0.00227	mg/kg	0.00227	EPA 8260d
VOC, Soils - Toluene		06/06/2024 13:24		Not Detected	mg/kg	0.00263	EPA 8260d
VOC, Soils - Xylenes, total		06/06/2024 13:24		<0.00654	mg/kg	0.00654	EPA 8260d
AA08591-1	PWCO4 @ 3'	Collected : 05/28/2024 10:30					
SAR - Calcium		05/31/2024 11:24	10.00	0.083	mEq/L	0.000	EPA 6020B
SAR - Magnesium		05/31/2024 11:24	10.00	0.005	mEq/L	0.000	EPA 6020B
SAR - Sodium		05/31/2024 11:24	10.00	56.162	mEq/L	0.000	EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024 11:24	10.00	268.181		0.000	EPA 6020B
Soil Conductivity		05/31/2024 16:51		10.88	mmhos/cm		USDA 60
AA08591-2	PWCO4 @ 3'	Collected : 05/28/2024 10:30					
Chromium VI, Soil		05/31/2024 10:47		<0.0800	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		06/11/2024 09:52	5.00	49.715	mg/kg	0.050	Boron Hot Water Extraction
pH, Soils Temperature		06/03/2024 15:32		21.6	°C		
pH, Soils		06/03/2024 15:32		9.45	S.U.	0.01	EPA 9045D
Total Metals, Soils - Arsenic		06/06/2024 11:35	10.00	2.645	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		06/06/2024 11:35	10.00	209.096	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		06/06/2024 11:35	10.00	0.150	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		06/06/2024 11:35	10.00	21.275	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		06/06/2024 11:35	10.00	9.663	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		06/06/2024 11:35	10.00	6.871	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		06/06/2024 11:35	10.00	1.701	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		06/06/2024 11:35	10.00	<0.250 - RL1	mg/kg	0.250	EPA 6020B
Total Metals, Soils - Zinc		06/06/2024 11:35	10.00	29.249	mg/kg	0.025	EPA 6020B
AA08591-3	PWCO4 @ 3'	Collected : 05/28/2024 10:30					
DRO & ORO, Soil - DRO		05/31/2024 10:47		343.228	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		05/31/2024 10:47		262.488	mg/kg	100.00	EPA 8015D
Gasoline Range Organics, Soil		06/07/2024 15:53	100.00	60.0108	mg/kg	0.26827	EPA 8260
SVOC, Soils - 1-methylnaphthalene		06/13/2024 00:00		<0.010	mg/kg	0.010	EPA 8270
SVOC, Soils - 2-methylnaphthalene		06/13/2024 00:00		0.01881	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		06/13/2024 00:00		0.01221	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenzo(a,h)anthracene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Pyrene		06/13/2024 00:00		Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		06/06/2024 13:24		0.184	mg/kg	0.00245	EPA 8260d
VOC, Soils - 1,3,5-trimethylbenzene		06/06/2024 13:24		0.017	mg/kg	0.005	EPA 8260d



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FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name		Analysis Start					Recovery
VOC, Soils - Benzene		06/06/2024	13:24	Not Detected	mg/kg	0.00242	EPA 8260d
VOC, Soils - Ethylbenzene		06/06/2024	13:24	0.018	mg/kg	0.005	EPA 8260d
VOC, Soils - m&p- xylene		06/06/2024	13:24	0.064	mg/kg	0.00427	EPA 8260d
VOC, Soils - o-xylene		06/06/2024	13:24	0.027	mg/kg	0.00227	EPA 8260d
VOC, Soils - Toluene		06/06/2024	13:24	<0.00263	mg/kg	0.00263	EPA 8260d
VOC, Soils - Xylenes, total		06/06/2024	13:24	0.091	mg/kg	0.00654	EPA 8260d
AA08592-1	PWCO5 @ 2'	Collected : 05/28/2024 11:15					
SAR - Calcium		05/31/2024	11:24	10.00	mEq/L	0.000	EPA 6020B
SAR - Magnesium		05/31/2024	11:24	10.00	mEq/L	0.000	EPA 6020B
SAR - Sodium		05/31/2024	11:24	10.00	mEq/L	0.000	EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24	10.00		0.000	EPA 6020B
Soil Conductivity		05/31/2024	16:51		mmhos/cm		USDA 60
AA08592-2	PWCO5 @ 2'	Collected : 05/28/2024 11:15					
Chromium VI, Soil		05/31/2024	10:47		mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		06/11/2024	09:52	5.00	mg/kg	0.050	Boron Hot Water Extraction
pH, Soils Temperature		06/03/2024	15:32		°C		
pH, Soils		06/03/2024	15:32		S.U.	0.01	EPA 9045D
Total Metals, Soils - Arsenic		06/06/2024	11:35	10.00	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		06/06/2024	11:35	10.00	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		06/06/2024	11:35	10.00	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		06/06/2024	11:35	10.00	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		06/06/2024	11:35	10.00	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		06/06/2024	11:35	10.00	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		06/06/2024	11:35	10.00	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		06/06/2024	11:35	10.00	mg/kg	0.250	EPA 6020B
Total Metals, Soils - Zinc		06/06/2024	11:35	10.00	mg/kg	0.025	EPA 6020B
AA08592-3	PWCO5 @ 2'	Collected : 05/28/2024 11:15					
DRO & ORO, Soil - DRO		05/31/2024	10:47		mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		05/31/2024	10:47		mg/kg	100.00	EPA 8015D
Gasoline Range Organics, Soil		06/07/2024	15:53		mg/kg	0.26827	EPA 8260
SVOC, Soils - 1-methylnaphthalene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - 2-methylnaphthalene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenzo(a,h)anthracene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		06/13/2024	11:48		mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		06/13/2024	11:48		mg/kg	0.010	EPA 8270



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Project Number: 26965

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.	
Analyte Name	Analysis Start						Recovery	
SVOC, Soils - Pyrene		06/13/2024	11:48	Not Detected	mg/kg	0.010	EPA 8270	
VOC, Soils - 1,2,4-trimethylbenzene		06/06/2024	13:24	<0.00245	mg/kg	0.00245	EPA 8260d	
VOC, Soils - 1,3,5-trimethylbenzene		06/06/2024	13:24	<0.005	mg/kg	0.005	EPA 8260d	
VOC, Soils - Benzene		06/06/2024	13:24	Not Detected	mg/kg	0.00242	EPA 8260d	
VOC, Soils - Ethylbenzene		06/06/2024	13:24	<0.005	mg/kg	0.005	EPA 8260d	
VOC, Soils - m&p- xylene		06/06/2024	13:24	<0.00427	mg/kg	0.00427	EPA 8260d	
VOC, Soils - o-xylene		06/06/2024	13:24	<0.00227	mg/kg	0.00227	EPA 8260d	
VOC, Soils - Toluene		06/06/2024	13:24	Not Detected	mg/kg	0.00263	EPA 8260d	
VOC, Soils - Xylenes, total		06/06/2024	13:24	<0.00654	mg/kg	0.00654	EPA 8260d	
AA08593-1	PWCO1 @ 3'	Collected : 05/28/2024 11:45						
SAR - Calcium		06/11/2024	11:23	10.00	0.301	mEq/L	0.000	Soil Paste Extra
SAR - Magnesium		06/11/2024	11:23	10.00	0.072	mEq/L	0.000	Soil Paste Extra
SAR - Sodium		06/11/2024	11:23	10.00	22.995	mEq/L	0.000	Soil Paste Extra
SAR - Sodium Adsorption Ratio		06/11/2024	11:23	10.00	53.252		0.000	Soil Paste Extra
Soil Conductivity		05/31/2024	17:08		3.29	mmhos/cm		USDA 60
AA08593-2	PWCO1 @ 3'	Collected : 05/28/2024 11:45						
Chromium VI, Soil		05/31/2024	10:47		<0.0800	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		06/11/2024	09:52	5.00	18.786	mg/kg	0.050	Boron Hot Water Extraction
pH, Soils Temperature		06/03/2024	15:32		22.3	°C		
pH, Soils		06/03/2024	15:32		9.69	S.U.	0.01	EPA 9045D
Total Metals, Soils - Arsenic		06/06/2024	11:35	10.00	3.312	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		06/06/2024	11:35	10.00	180.857	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		06/06/2024	11:35	10.00	0.143	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		06/06/2024	11:35	10.00	15.132	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		06/06/2024	11:35	10.00	10.042	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		06/06/2024	11:35	10.00	5.558	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		06/06/2024	11:35	10.00	2.179	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		06/06/2024	11:35	10.00	<0.250 - RL1	mg/kg	0.250	EPA 6020B
Total Metals, Soils - Zinc		06/06/2024	11:35	10.00	28.988	mg/kg	0.025	EPA 6020B
AA08593-3	PWCO1 @ 3'	Collected : 05/28/2024 11:45						
DRO & ORO, Soil - DRO		05/31/2024	10:47		Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		05/31/2024	10:47		Not Detected	mg/kg	100.00	EPA 8015D
Gasoline Range Organics, Soil		06/07/2024	15:53		<0.26827	mg/kg	0.26827	EPA 8260
SVOC, Soils - 1-methylnaphthalene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - 2-methylnaphthalene		06/13/2024	11:48		<0.010	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenzo(a,h)anthracene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		06/13/2024	11:48		Not Detected	mg/kg	0.010	EPA 8270



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 6/14/2024

Report Time : 10:23

FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name		Analysis Start					Recovery
SVOC, Soils - Fluorene		06/13/2024	11:48	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		06/13/2024	11:48	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		06/13/2024	11:48	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Pyrene		06/13/2024	11:48	Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		06/06/2024	13:24	<0.00245	mg/kg	0.00245	EPA 8260d
VOC, Soils - 1,3,5-trimethylbenzene		06/06/2024	13:24	<0.005	mg/kg	0.005	EPA 8260d
VOC, Soils - Benzene		06/06/2024	13:24	Not Detected	mg/kg	0.00242	EPA 8260d
VOC, Soils - Ethylbenzene		06/06/2024	13:24	<0.005	mg/kg	0.005	EPA 8260d
VOC, Soils - m&p- xylene		06/06/2024	13:24	Not Detected	mg/kg	0.00427	EPA 8260d
VOC, Soils - o-xylene		06/06/2024	13:24	<0.00227	mg/kg	0.00227	EPA 8260d
VOC, Soils - Toluene		06/06/2024	13:24	<0.00263	mg/kg	0.00263	EPA 8260d
VOC, Soils - Xylenes, total		06/06/2024	13:24	<0.00654	mg/kg	0.00654	EPA 8260d

QC Report

BORON-3224									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA08576	19.099	0.050	mg/kg		15.555			20.454	-15 - 15
MB AA08617	0.005		mg/kg						
LCS AA08618	0.864		mg/kg	1.000		86.4	80 - 120		
LCS AA08619	10.027		mg/kg	9.000		111	80 - 120		
CHROM_VI_SOIL-3235									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA08590	<0.0800	0.080	mg/kg		<0.0800				
MB AA08630	0.544		mg/kg						
LCS AA08632	0.0389		mg/kg	0.0400		97.2			
LCS AA08633	0.0390		mg/kg	0.0400		97.5			
ECISOIL_MMHOS-3228									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA08590	6.53		mmhos/cm		6.61			1.2177	
LCS AA08628	9.29		mmhos/cm	10.000		92.9			
LCS AA08629	9.29		mmhos/cm	10.0000		92.9			
ECISOIL_MMHOS-3251									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA08648	0.1329		mmhos/cm		0.1391			4.5588	
LCS AA08711	9.19		mmhos/cm	10.000		91.9			
LCS AA08712	9.2		mmhos/cm	10.000		92.0			
GRO_SOIL-3350									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA08764	0.367	0.26827	mg/kg		<0.26827			7.0959	
Matrix Spike AA08764	0.394		mg/kg	2.150	<0.26827	18.3			
MB AA08909	Not Detected		mg/kg						
LCS AA08910	1.834		mg/kg	2.150		85.3			
LCS AA08911	1.741		mg/kg	2.150		81.0			
PH_S-3265									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DUP AA08590	9.92	0.01	S.U.		9.94			0.2014098690	-5 - 5
LCS AA08733	6.90	0.01	S.U.	6.86		101	95 - 105		
LCS AA08734	6.95	0.01	S.U.	6.86		101	95 - 105		



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 6/14/2024

Report Time : 10:23

FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

QC Report

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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DRO_ORO_SOIL-3246

AA08402

DUP

DRO	1737.642				1339.392			2.05	
ORO	263.842				<100			12.1	

Matrix Spike

DRO	1702.378		mg/kg	350	1339.392	104			
ORO	297.963		mg/kg	350	<100	85.1			

AA08698

MB

DRO	Not Detected		mg/kg						
ORO	Not Detected		mg/kg						

AA08699

LCS

DRO	345.783		mg/kg			98.8			
ORO	314.865		mg/kg			90.0			

AA08700

DRO	440.725		mg/kg			126			
ORO	245.855		mg/kg			70.2			

METALS_S-3226

AA08620

MB

Arsenic	0.001		mg/kg						
Barium	0.000		mg/kg						
Cadmium	0.000		mg/kg						
Copper	0.003		mg/kg						
Lead	0.000		mg/kg						
Nickel	0.001		mg/kg						
Selenium	-0.001		mg/kg						
Silver	0.001		mg/kg						
Zinc	0.017		mg/kg						

AA08622

LCS

Arsenic	0.087		mg/kg			96.7	80 - 120		
Barium	0.091		mg/kg			101	80 - 120		
Cadmium	0.090		mg/kg			100	80 - 120		
Copper	0.090		mg/kg			100	80 - 120		
Lead	0.090		mg/kg			100	80 - 120		
Nickel	0.090		mg/kg			100	80 - 120		
Selenium	0.084		mg/kg			93.3	80 - 120		
Silver	0.093		mg/kg			103	80 - 120		
Zinc	0.091		mg/kg			101	80 - 120		

AA08623

Arsenic	0.088		mg/kg			97.8	80 - 120		
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FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

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QC Report

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Barium	0.091		mg/kg			101	80 - 120		
Cadmium	0.089		mg/kg			98.9	80 - 120		
Copper	0.088		mg/kg			97.8	80 - 120		
Lead	0.088		mg/kg			97.8	80 - 120		
Nickel	0.089		mg/kg			98.9	80 - 120		
Selenium	0.084		mg/kg			93.3	80 - 120		
Silver	0.092		mg/kg			102	80 - 120		
Zinc	0.090		mg/kg			100	80 - 120		

SAR-3248

AA08704

MB

Calcium	-0.002		mEq/L						
Magnesium	0.0000		mEq/L						
Sodium	0.020		mEq/L						

AA08705

LCS

Calcium	506.312		ppm			101			
Magnesium	506.551		ppm			101			
Sodium	509.127		ppm			102			

AA08706

Calcium	546.310		ppm			109			
Magnesium	510.763		ppm			102			
Sodium	520.771		ppm			104			

SAR-3393

AA08960

MB

Calcium	0.003		mEq/L						
Magnesium	0.005		mEq/L						
Sodium	0.030		mEq/L						

AA08961

LCS

Calcium	11.866		ppm			119			
Magnesium	9.772		ppm			97.7			
Sodium	9.298		ppm			93.0			

AA08962

Calcium	459.869		ppm			92.0			
Magnesium	421.655		ppm			84.3			
Sodium	427.014		ppm			85.4			

SVOC_SOIL-3316

AA08825

MB

1-methylnaphthalene	Not Detected		mg/kg						
2-methylnaphthalene	Not Detected		mg/kg						
Acenaphthene	Not Detected		mg/kg						



Division of Environmental Testing

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FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

QC Report

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Anthracene	Not Detected		mg/kg						
Benz(a)anthracene	Not Detected		mg/kg						
Benzo(a)pyrene	Not Detected		mg/kg						
Benzo(b)fluoranthene	Not Detected		mg/kg						
Benzo(k)fluoranthene	Not Detected		mg/kg						
Chrysene	Not Detected		mg/kg						
Dibenzo(a,h)anthracene	Not Detected		mg/kg						
Fluoranthene	Not Detected		mg/kg						
Fluorene	Not Detected		mg/kg						
Indeno(1,2,3-cd)pyrene	Not Detected		mg/kg						
Naphthalene	Not Detected		mg/kg						
Pyrene	Not Detected		mg/kg						

AA08826

LCS

1-methylnaphthalene	0.30161		mg/kg			101			
2-methylnaphthalene	0.29710		mg/kg			99.0			
Acenaphthene	0.28770		mg/kg			95.9			
Anthracene	0.34007		mg/kg			113			
Benz(a)anthracene	0.38043		mg/kg			127			
Benzo(a)pyrene	0.3619		mg/kg			121			
Benzo(b)fluoranthene	0.35861		mg/kg			120			
Benzo(k)fluoranthene	0.31551		mg/kg			105			
Chrysene	0.37710		mg/kg			126			
Dibenzo(a,h)anthracene	0.30133		mg/kg			100			
Fluoranthene	0.23829		mg/kg			79.4			
Fluorene	0.32005		mg/kg			107			
Indeno(1,2,3-cd)pyrene	0.31455		mg/kg			105			
Naphthalene	0.26081		mg/kg			86.9			
Pyrene	0.25900		mg/kg			86.3			

AA08827

1-methylnaphthalene	0.37661		mg/kg			126			
2-methylnaphthalene	0.37278		mg/kg			124			
Acenaphthene	0.3532		mg/kg			118			
Anthracene	0.38287		mg/kg			128			
Benz(a)anthracene	0.3322		mg/kg			111			
Benzo(a)pyrene	0.30773		mg/kg			103			
Benzo(b)fluoranthene	0.35859		mg/kg			120			
Benzo(k)fluoranthene	0.27374		mg/kg			91.2			
Chrysene	0.33890		mg/kg			113			
Dibenzo(a,h)anthracene	0.32380		mg/kg			108			
Fluoranthene	0.21937		mg/kg			73.1			
Fluorene	0.38397		mg/kg			128			
Indeno(1,2,3-cd)pyrene	0.29217		mg/kg			97.4			
Naphthalene	0.32533		mg/kg			108			



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 6/14/2024

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FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

QC Report

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Pyrene	0.21983		mg/kg			73.3			

VOC_S-3321

AA08838

MB

1,2,4-trimethylbenzene	<0.00245		mg/kg						
1,3,5-trimethylbenzene	<0.005		mg/kg						
Benzene	Not Detected		mg/kg						
Ethylbenzene	<0.005		mg/kg						
m&p- xylene	<0.00427		mg/kg						
Naphthalene	Not Detected		mg/kg						
o-xylene	<0.00227		mg/kg						
Toluene	Not Detected		mg/kg						
Xylenes, total	<0.00654		mg/kg						

AA08839

LCS

1,2,4-trimethylbenzene	0.048		mg/kg			96.0			
1,3,5-trimethylbenzene	0.059		mg/kg			118			
Benzene	0.052		mg/kg			104			
Ethylbenzene	0.060		mg/kg			120			
m&p- xylene	0.104		mg/kg			104			
o-xylene	0.059		mg/kg			118			
Toluene	0.053		mg/kg			106			
Xylenes, total	0.163		mg/kg			109			

AA08840

1,2,4-trimethylbenzene	0.042		mg/kg			84.0			
1,3,5-trimethylbenzene	0.057		mg/kg			114			
Benzene	0.056		mg/kg			112			
Ethylbenzene	0.060		mg/kg			120			
m&p- xylene	0.102		mg/kg			102			
o-xylene	0.056		mg/kg			112			
Toluene	0.053		mg/kg			106			
Xylenes, total	0.158		mg/kg			105			



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 6/14/2024

Report Time : 10:23

FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name		Analysis Start					Recovery

Qualifier	Explanation
H1	Sample received outside of regulatory holding time.
H2	Sample analyzed outside of regulatory holding time due to a laboratory error.
P1	Sample received outside temperature requirements, 0-6°C.
P2	Sample received unpreserved.
P3	Broken or leaking sample container.
P4	Sample improperly collected
P5	Sample incorrectly preserved
B1	Blank failed high, indicating possible high bias in sample results.
B2	Blank failed low, indicating possible low bias in sample results.
MS	Matrix Spike / Matrix Spike Duplicate recovery and/or RPD limit exceeded, indicating potential matrix interference.
D1	Duplicate RPD limit exceeded due to low sample concentration.
D2	Duplicate RPD limit exceeded due to matrix interference.
S	Surrogate recovery failed, indicating potential matrix interference.
RL1	Reporting limits raised due to matrix interference.
RL2	Reporting limits raised due to limited sample.
U	Sample result less than method detection limit.
J	Sample result less than reporting limit but higher than method detection limit.
E	Electronic loss or corruption of data.
I	Subcontracted sample



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

June 14, 2024

1301 Academy St.
Fort Collins, CO 80525
800-288-2657
lglazier@cgrs.com

Project Manager : Lauren Glazier
Project Name : Kindt Site Closure
Project Number : 26965

Attached are the analytical results for Kindt Site Closure 26965 received by Elevation Diagnostics, Division of Environmental Testing on May 29, 2024. This is associated with Elevation's number AA08576 .

The results were analyzed under the guidelines of various methods. These methods are identified in the report as follows: "SW" is referring to the EPA's SW-846 Compendium; "EPA" is referring to 40 CFR part 136; "HACH" is referring to a method which was validated by HACH®; "SM" is referring to a revision of the Standard Methods For the Examination of Water and Wastewater; and "ASTM" is referring to the standard test method set forth by ASTM International.

The analytical results in this report apply specifically to the samples listed in the attached Chain of Custody. This report may only be duplicated in full.

Any deviations to sample integrity, method specifications, or Elevation Diagnostics's standard operating procedures are documented in the report below.

Please contact us for any questions or comments concerning the content of this report.

Thank you,

Elevation Diagnostics, Division of Environmental Testing

Kristen Reichel
Laboratory Director
CSO,CCO

Chain of Custody Form

Elevation Diagnostics

2115 North Scranton Street Suite 3040A Aurora, CO 80045
800.440.5184

Client: CGRS
Address: 1301 Academy Ct
City/State/ZIP: Fort Collins, CO 80525
Phone: 315-657-4720
Project Contact: Lauren Glazier

Project Name: KINDT SITE CLOSURE
Project Location: # 20965
Collector Name: Mitchell Bond

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Notes
					HCl	HNO ₃	None	Other	Water	Soil	Other	pH (sat. paste)	EC (sat. paste)	SAR (sat. paste)	BOZON (HWS)	
1	PWCO2 @ 2'	05/28/24	0945	2			✓		✓			✓	✓	✓	✓	AA08576-1
2	Berm NW @ 2'		1200				✓		✓			✓	✓	✓	✓	AA08577-1
3	Berm SW @ 2'		1220				✓		✓			✓	✓	✓	✓	AA08578-1
4	Berm SE @ 4'		1240				✓		✓			✓	✓	✓	✓	AA08579-1
5	Berm NE @ 2'		1310				✓		✓			✓	✓	✓	✓	AA08580-1
6	SEP 01 @ 4'		1330				✓		✓			✓	✓	✓	✓	AA08581-1
7	BKG 05 @ 2'		1350				✓		✓			✓	✓	✓	✓	AA08582-1
8	BKG 06 @ 2'		1400				✓		✓			✓	✓	✓	✓	AA08583-1
9							✓		✓			✓	✓	✓	✓	
10							✓		✓			✓	✓	✓	✓	

Relinquished By: Mitchell B.
Date/Time: 05/28/24 1600

Relinquished By: _____
Date/Time: _____

Relinquished By: _____
Date/Time: _____

Lab Use Only
Observed Temperature Upon Receipt: cooler 1 - 0.4°C
Corrected Temperature Upon Receipt: cooler 2 - 4.6°C
Thermometer #: EDKEQ238
Correction Factor: +1.3°C

Samples Intact: Yes
pH Checked: Yes
pH Adjusted: Yes
Name/Lot Number of Adjustment: _____

2024-05-29-001

Scan to Deliver Samples



EFOR-008.002



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 6/14/2024

Report Time : 10:21

FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name		Analysis Start					Recovery
AA08576-1	PWC02 @ 2'	Collected : 05/28/2024	09:45				
SAR - Calcium		05/31/2024	11:24 10.00	0.416	mEq/L	0.000	EPA 6020B
SAR - Magnesium		05/31/2024	11:24 10.00	0.055	mEq/L	0.000	EPA 6020B
SAR - Sodium		05/31/2024	11:24 10.00	55.079	mEq/L	0.000	EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24 10.00	113.465		0.000	EPA 6020B
Soil Conductivity		05/30/2024	14:11	9.31	mmhos/cm		USDA 60
AA08576-2	PWC02 @ 2'	Collected : 05/28/2024	09:45				
Hot Water Soluble Boron		06/10/2024	11:31 5.00	15.555 - D1	mg/kg	0.050	Boron Hot Water Extraction
pH, Soils Temperature		05/29/2024	16:57	22.4	°C		
pH, Soils		05/29/2024	16:57	9.52	S.U.	0.01	EPA 9045D
AA08577-1	Berm NW @ 2'	Collected : 05/28/2024	12:00				
SAR - Calcium		05/31/2024	11:24 10.00	13.413	mEq/L	0.000	EPA 6020B
SAR - Magnesium		05/31/2024	11:24 10.00	3.085	mEq/L	0.000	EPA 6020B
SAR - Sodium		05/31/2024	11:24 10.00	9.624	mEq/L	0.000	EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24 10.00	3.351		0.000	EPA 6020B
Soil Conductivity		05/30/2024	14:11	4.42	mmhos/cm		USDA 60
AA08577-2	Berm NW @ 2'	Collected : 05/28/2024	12:00				
Hot Water Soluble Boron		06/10/2024	11:31	0.549	mg/kg	0.050	Boron Hot Water Extraction
pH, Soils Temperature		05/29/2024	16:57	22.2	°C		
pH, Soils		05/29/2024	16:57	7.63	S.U.	0.01	EPA 9045D
AA08578-1	Berm SW @ 2'	Collected : 05/28/2024	12:20				
SAR - Calcium		05/31/2024	11:24 10.00	49.316	mEq/L	0.000	EPA 6020B
SAR - Magnesium		05/31/2024	11:24 10.00	13.672	mEq/L	0.000	EPA 6020B
SAR - Sodium		05/31/2024	11:24 10.00	10.024	mEq/L	0.000	EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24 10.00	1.786		0.000	EPA 6020B
Soil Conductivity		05/30/2024	14:11	10.41	mmhos/cm		USDA 60
AA08578-2	Berm SW @ 2'	Collected : 05/28/2024	12:20				
Hot Water Soluble Boron		06/10/2024	11:31	0.164	mg/kg	0.050	Boron Hot Water Extraction
pH, Soils Temperature		05/29/2024	16:57	22	°C		
pH, Soils		05/29/2024	16:57	7.53	S.U.	0.01	EPA 9045D
AA08579-1	Berm SE @ 4'	Collected : 05/28/2024	12:40				
SAR - Calcium		05/31/2024	11:24 10.00	19.842	mEq/L	0.000	EPA 6020B
SAR - Magnesium		05/31/2024	11:24 10.00	7.454	mEq/L	0.000	EPA 6020B
SAR - Sodium		05/31/2024	11:24 10.00	12.850	mEq/L	0.000	EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24 10.00	3.478		0.000	EPA 6020B
Soil Conductivity		05/30/2024	14:11	6.69	mmhos/cm		USDA 60
AA08579-2	Berm SE @ 4'	Collected : 05/28/2024	12:40				
Hot Water Soluble Boron		06/10/2024	11:31	0.508	mg/kg	0.050	Boron Hot Water Extraction
pH, Soils Temperature		05/29/2024	16:57	22.2	°C		
pH, Soils		05/29/2024	16:57	7.57	S.U.	0.01	EPA 9045D
AA08580-1	Berm NE @ 2'	Collected : 05/28/2024	13:10				
SAR - Calcium		05/31/2024	11:24 10.00	28.567	mEq/L	0.000	EPA 6020B
SAR - Magnesium		05/31/2024	11:24 10.00	8.104	mEq/L	0.000	EPA 6020B
SAR - Sodium		05/31/2024	11:24 10.00	81.462	mEq/L	0.000	EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24 10.00	19.024		0.000	EPA 6020B



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 6/14/2024

Report Time : 10:21

FINAL RESULTS REPORT

Project Manager: Lauren Glazier

Project Name: Kindt Site Closure

Project Number: 26965

Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name		Analysis Start					Recovery
Soil Conductivity		05/30/2024	14:11	17.78	mmhos/cm		USDA 60
AA08580-2	Berm NE @ 2'	Collected : 05/28/2024 13:10					
Hot Water Soluble Boron		06/11/2024	09:52	5.00	25.393	mg/kg	0.050 Boron Hot Water Extraction
pH, Soils Temperature		05/29/2024	16:57		22.3	°C	
pH, Soils		05/29/2024	16:57		7.72	S.U.	0.01 EPA 9045D
AA08581-1	SEP 01 @ 4'	Collected : 05/28/2024 13:30					
SAR - Calcium		05/31/2024	11:24	10.00	0.954	mEq/L	0.000 EPA 6020B
SAR - Magnesium		05/31/2024	11:24	10.00	0.289	mEq/L	0.000 EPA 6020B
SAR - Sodium		05/31/2024	11:24	10.00	0.645	mEq/L	0.000 EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24	10.00	0.818		0.000 EPA 6020B
Soil Conductivity		05/30/2024	14:11		0.304	mmhos/cm	USDA 60
AA08581-2	SEP 01 @ 4'	Collected : 05/28/2024 13:30					
Hot Water Soluble Boron		06/10/2024	11:31		0.412	mg/kg	0.050 Boron Hot Water Extraction
pH, Soils Temperature		05/29/2024	16:57		22.2	°C	
pH, Soils		05/29/2024	16:57		8.79	S.U.	0.01 EPA 9045D
AA08582-1	BKG 05 @ 2'	Collected : 05/28/2024 13:50					
SAR - Calcium		05/31/2024	11:24	10.00	1.320	mEq/L	0.000 EPA 6020B
SAR - Magnesium		05/31/2024	11:24	10.00	0.440	mEq/L	0.000 EPA 6020B
SAR - Sodium		05/31/2024	11:24	10.00	0.556	mEq/L	0.000 EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24	10.00	0.592		0.000 EPA 6020B
Soil Conductivity		05/30/2024	14:11		0.371	mmhos/cm	USDA 60
AA08582-2	BKG 05 @ 2'	Collected : 05/28/2024 13:50					
Hot Water Soluble Boron		06/10/2024	11:31		0.536	mg/kg	0.050 Boron Hot Water Extraction
pH, Soils Temperature		05/29/2024	16:57		21.8	°C	
pH, Soils		05/29/2024	16:57		8.52	S.U.	0.01 EPA 9045D
AA08583-1	BKG 06 @ 2'	Collected : 05/28/2024 14:00					
SAR - Calcium		05/31/2024	11:24	10.00	0.861	mEq/L	0.000 EPA 6020B
SAR - Magnesium		05/31/2024	11:24	10.00	0.336	mEq/L	0.000 EPA 6020B
SAR - Sodium		05/31/2024	11:24	10.00	3.281	mEq/L	0.000 EPA 6020B
SAR - Sodium Adsorption Ratio		05/31/2024	11:24	10.00	4.241		0.000 EPA 6020B
Soil Conductivity		05/30/2024	14:11		0.794	mmhos/cm	USDA 60
AA08583-2	BKG 06 @ 2'	Collected : 05/28/2024 14:00					
Hot Water Soluble Boron		06/10/2024	11:31		0.598	mg/kg	0.050 Boron Hot Water Extraction
pH, Soils Temperature		05/29/2024	16:57		21.9	°C	
pH, Soils		05/29/2024	16:57		8.69	S.U.	0.01 EPA 9045D



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QC Report

BORON-3224										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit	
DUP AA08576	19.099	0.050	mg/kg		15.555			20.454	-15 - 15	
MB AA08617	0.005		mg/kg							
LCS AA08618	0.864		mg/kg	1.000		86.4	80 - 120			
LCS AA08619	10.027		mg/kg	9.000		111	80 - 120			

ECSOIL_MMHOS-3227										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit	
DUP AA08538	0.898		mmhos/cm		0.877			2.3662		
LCS AA08625	9.14		mmhos/cm	10.000		91.4				
LCS AA08626	9.4		mmhos/cm	10.000		94.0				

PH_S-3223										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit	
DUP AA08538	9.04	0.01	S.U.		8.97			0.7773459189	-5 - 5	
LCS AA08610	6.86	0.01	S.U.	6.86		100	95 - 105			
LCS AA08611	6.88	0.01	S.U.	6.86		100	95 - 105			

SAR-3248

AA08590

DUP

Calcium	0.274		mEq/L	0.274	0.277			1.09		
Magnesium	0.037		mEq/L	0.037	0.040			7.79		
Sodium	32.958		mEq/L	32.958	34.041			3.23		

AA08704

MB

Calcium	-0.002		mEq/L							
Magnesium	0.0000		mEq/L							
Sodium	0.020		mEq/L							

AA08705

LCS

Calcium	506.312		ppm				101			
Magnesium	506.551		ppm				101			
Sodium	509.127		ppm				102			

AA08706

Calcium	546.310		ppm				109			
Magnesium	510.763		ppm				102			
Sodium	520.771		ppm				104			



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Sample ID	Customer ID	Collected	Dilution	Result	Units	RL	Method Ref.
Analyte Name		Analysis Start					Recovery

Qualifier	Explanation
H1	Sample received outside of regulatory holding time.
H2	Sample analyzed outside of regulatory holding time due to a laboratory error.
P1	Sample received outside temperature requirements, 0-6°C.
P2	Sample received unpreserved.
P3	Broken or leaking sample container.
P4	Sample improperly collected
P5	Sample incorrectly preserved
B1	Blank failed high, indicating possible high bias in sample results.
B2	Blank failed low, indicating possible low bias in sample results.
MS	Matrix Spike / Matrix Spike Duplicate recovery and/or RPD limit exceeded, indicating potential matrix interference.
D1	Duplicate RPD limit exceeded due to low sample concentration.
D2	Duplicate RPD limit exceeded due to matrix interference.
S	Surrogate recovery failed, indicating potential matrix interference.
RL1	Reporting limits raised due to matrix interference.
RL2	Reporting limits raised due to limited sample.
U	Sample result less than method detection limit.
J	Sample result less than reporting limit but higher than method detection limit.
E	Electronic loss or corruption of data.
I	Subcontracted sample