



FIGURES

Figure 1: Soil Sample Location Map

- LEGEND**
- APPROXIMATE EVAPORATION PIT
NON-VEGETATED AREA
- APPROXIMATE SOIL SAMPLE LOCATION

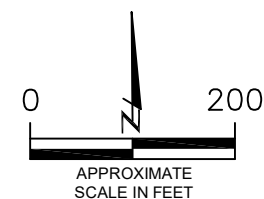
PARAMETERS

SAMPLE LOCATION
DATE
DEPTH (FEET)

B = BORON (mg/L)
EC = SPECIFIC CONDUCTANCE (mmhos/cm)
SAR = SODIUM ADSORPTION RATIO
pH = pH (pH UNITS)

VALUES PRESENTED IN **BOLD** CONTAIN CONCENTRATIONS
EXCEEDING COGCC TABLE 915-1 RESIDENTIAL SOIL
SCREENING LEVEL LIMITS

COGCC = COLORADO OIL AND GAS CONSERVATION
COMMISSION



SOIL SUITABILITY SAMPLE LOCATION MAP

STATE 1-36
40.714817 / -103.462663
NE¼ NE¼ SEC.36 T9N R55W 6PM
LOGAN COUNTY, COLORADO
API # 05-075-06258
FACILITY ID 116333
REMEDATION # 6103

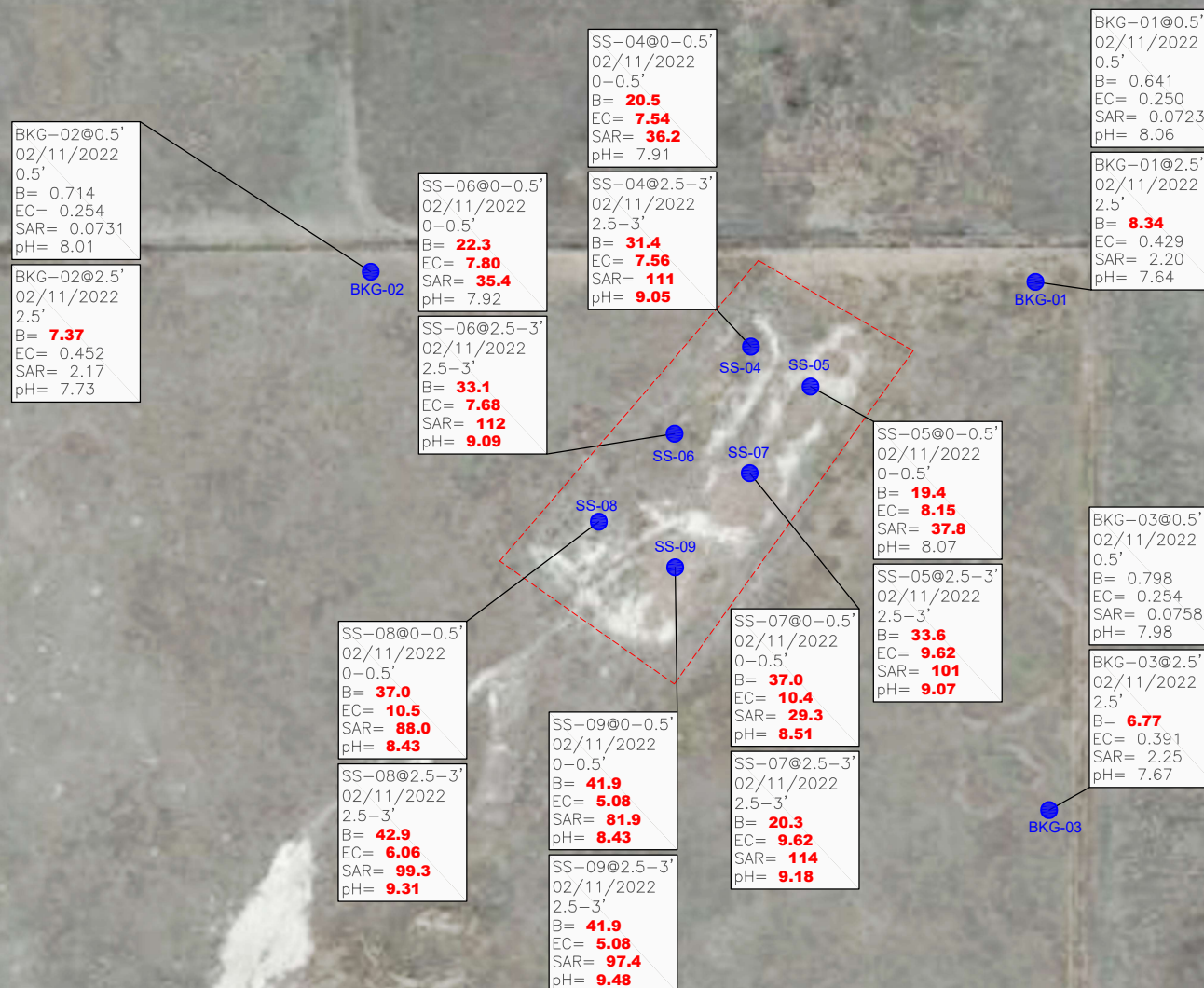
DATE:
5/25/23

DRAWN BY:
DAC

FIG.
NO. 1



EAGLE
ENVIRONMENTAL
CONSULTING, LLC
8000 W 44th Ave, Wheat Ridge, CO 80033
Ph: 303-433-0479 • F: 303-325-5449





TABLES

Table 1: Soil Analytical Results Summary

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
STATE 1-36
40.714817 / -103.462663
NE¼ NE¼ SEC.36 T9N R55W 6PM
LOGAN COUNTY, COLORADO
FACILITY ID 116333
REMEDATION # 6103

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Boron (mg/L)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
COGCC Table 915-1 Residential Soil Screening Level Limits			1.2	490	5.8	58	500		2	<4	6 to 8.3	<6
SS-01 @ 0-1' (40.716375 / -103.461063)	06/13/19	0-1	NA	NA	NA	NA	NA	NA	NA	0.873	9.61	34.52
SS-01 @ 4-5' (40.716375 / -103.461063)	06/13/19	4-5	<0.0500	<0.0500	<0.0500	<0.0500	<5.00	<50.0	NA	NA	NA	NA
SS-02 @ 0-1' (40.716230 / -103.461172)	06/13/19	0-1	NA	NA	NA	NA	NA	NA	NA	0.793	9.42	32.75
SS-02 @ 4-5' (40.716230 / -103.461172)	06/13/19	4-5	<0.0500	<0.0500	<0.0500	<0.0500	<5.00	<50.0	NA	NA	NA	NA
SS-03 @ 0-1' (40.716054 / -103.461320)	06/13/19	0-1	NA	NA	NA	NA	NA	NA	NA	0.349	8.92	20.71
SS-03 @ 4-5' (40.716054 / -103.461320)	06/13/19	4-5	<0.0500	<0.0500	<0.0500	<0.0500	<5.00	<50.0	NA	NA	NA	NA
SS-04 @ 0-0.5' (40.716398 / -103.461355)	02/11/22	0-0.5	NA	NA	NA	NA	NA	NA	20.5	7.54	7.91	36.2
SS-04 @ 2.5-3' (40.716398 / -103.461355)	02/11/22	2.5-3	NA	NA	NA	NA	NA	NA	31.4	7.56	9.05	111
SS-05 @ 0-0.5' (40.716297 / -103.461137)	02/11/22	0-0.5	NA	NA	NA	NA	NA	NA	19.4	8.15	8.07	37.8
SS-05 @ 2.5-3' (40.716297 / -103.461137)	02/11/22	2.5-3	NA	NA	NA	NA	NA	NA	33.6	6.92	9.07	101
SS-06 @ 0-0.5' (40.716148 / -103.461589)	02/11/22	0-0.5	NA	NA	NA	NA	NA	NA	22.3	7.80	7.92	35.4
SS-06 @ 2.5-3' (40.716148 / -103.461589)	02/11/22	2.5-3	NA	NA	NA	NA	NA	NA	33.1	7.68	9.09	112
SS-07 @ 0-0.5' (40.716057 / -103.461370)	02/11/22	0-0.5	NA	NA	NA	NA	NA	NA	37.0	10.4	8.51	29.3
SS-07 @ 2.5-3' (40.716057 / -103.461370)	02/11/22	2.5-3	NA	NA	NA	NA	NA	NA	20.3	9.62	9.18	114
SS-08 @ 0-0.5' (40.715932 / -103.461885)	02/11/22	0-0.5	NA	NA	NA	NA	NA	NA	37.0	10.5	8.43	88.0
SS-08 @ 2.5-3' (40.715932 / -103.461885)	02/11/22	2.5-3	NA	NA	NA	NA	NA	NA	42.9	6.06	9.31	99.3
SS-09 @ 0-0.5' (40.715806 / -103.461613)	02/11/22	0-0.5	NA	NA	NA	NA	NA	NA	31.1	10.2	8.43	81.9
SS-09 @ 2.5-3' (40.715806 / -103.461613)	02/11/22	2.5-3	NA	NA	NA	NA	NA	NA	41.9	5.08	9.48	97.4
Background												
BKG-01 @ 0.5' (40.716591 / -103.460386)	02/11/22	0.5	NA	NA	NA	NA	NA	NA	0.641	0.250	8.06	0.0723
BKG-01 @ 2.5' (40.716591 / -103.460386)	02/11/22	2.5	NA	NA	NA	NA	NA	NA	8.34	0.429	7.64	2.20
BKG-02 @ 0.5' (40.716609 / -103.462756)	02/11/22	0.5	NA	NA	NA	NA	NA	NA	0.714	0.254	8.01	0.0731
BKG-02 @ 2.5' (40.716609 / -103.462756)	02/11/22	2.5	NA	NA	NA	NA	NA	NA	7.37	0.452	7.73	2.17
BKG-03 @ 0.5' (40.715103 / -103.460268)	02/11/22	0.5	NA	NA	NA	NA	NA	NA	0.798	0.254	7.98	0.0758
BKG-03 @ 2.5' (40.715103 / -103.460268)	02/11/22	2.5	NA	NA	NA	NA	NA	NA	6.77	0.391	7.67	2.25
COGCC = Colorado Oil and Gas Conservation Commission SAR = Sodium Adsorption Ratio TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit. Values presented in BOLD contained concentrations exceeding COGCC Table 915-1 Residential Soil Screening Level limits, but within Background results. Values presented in BOLD contained concentrations exceeding COGCC Table 915-1 Residential Soil Screening Level limits and Background results.												



ATTACHMENT A

Photo Log

State 1-36

Photo Log

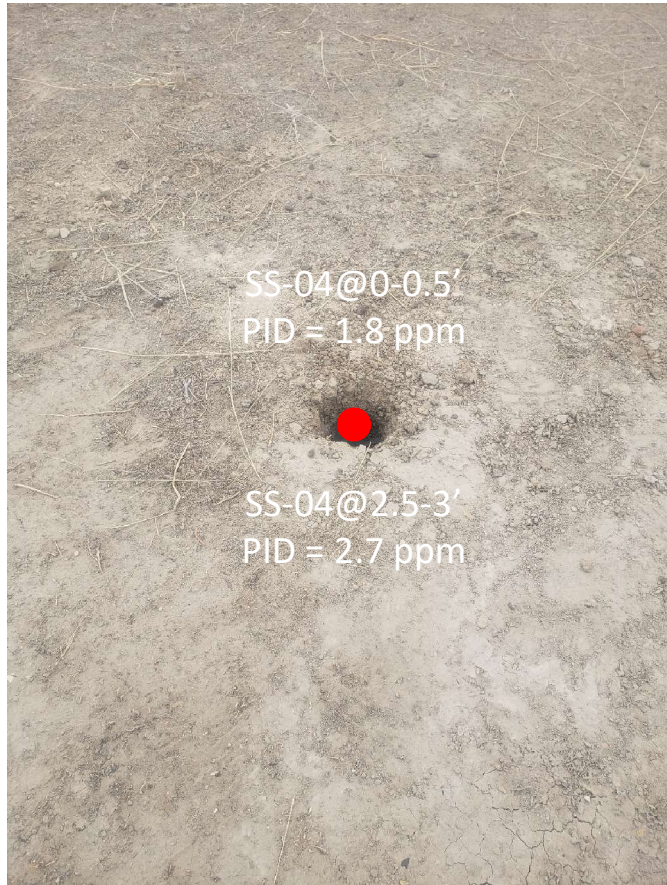
Facility ID 116333

Closure Assessment

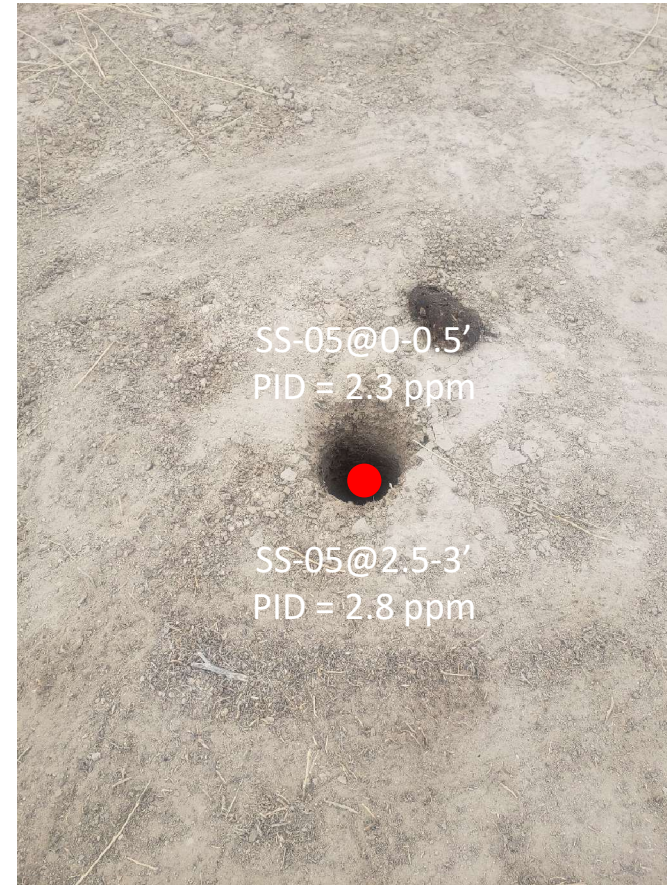
Remediation # 6103



Pit Assessment 2/11/22

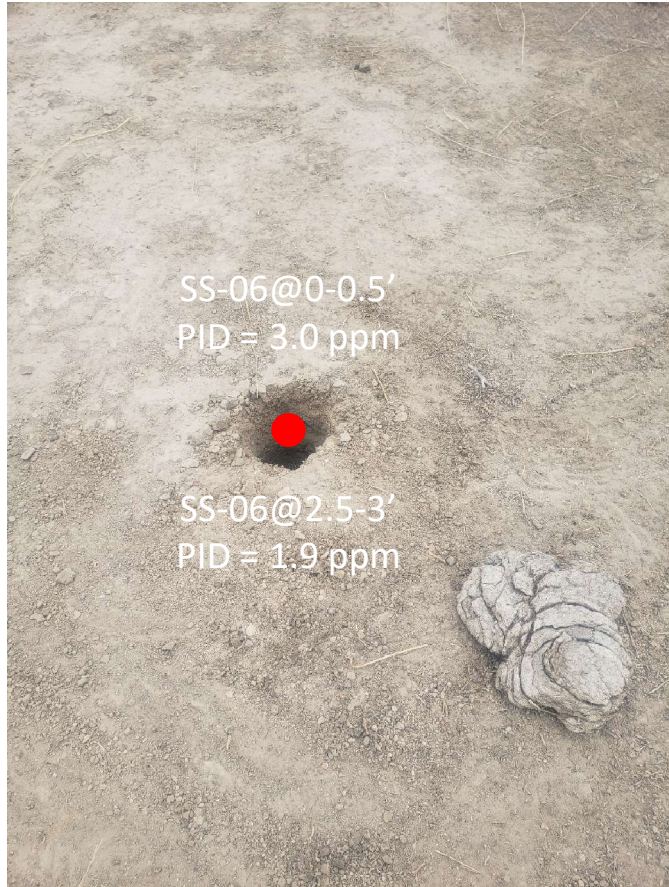


No petroleum hydrocarbon staining or odor observed

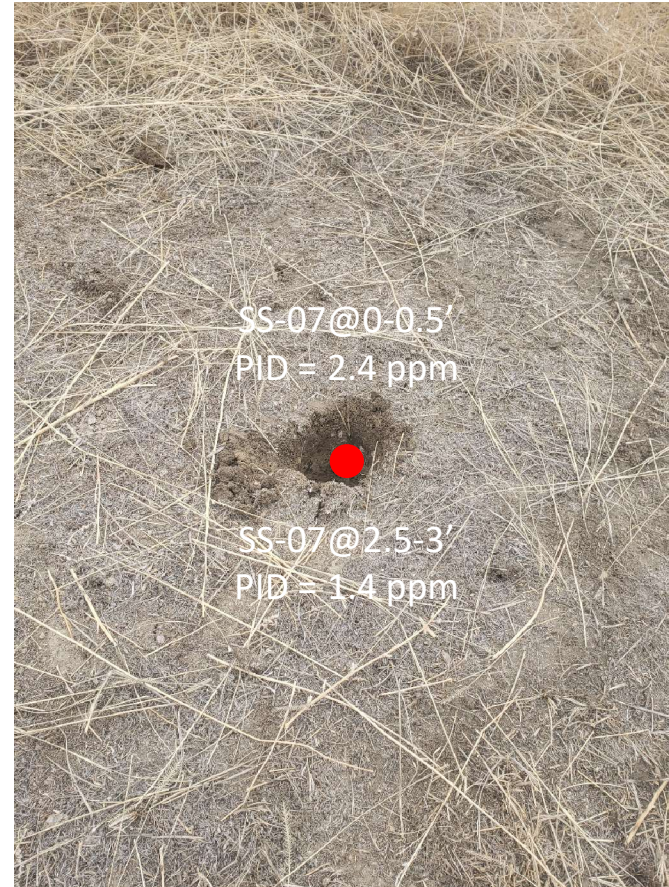


No petroleum hydrocarbon staining or odor observed

Pit Assessment 2/11/22

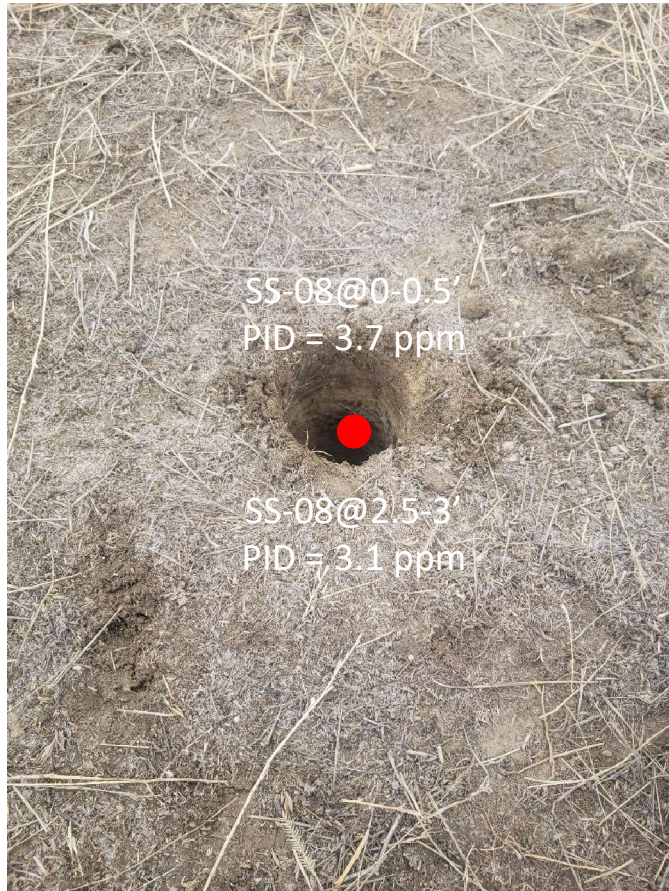


No petroleum hydrocarbon staining or odor observed

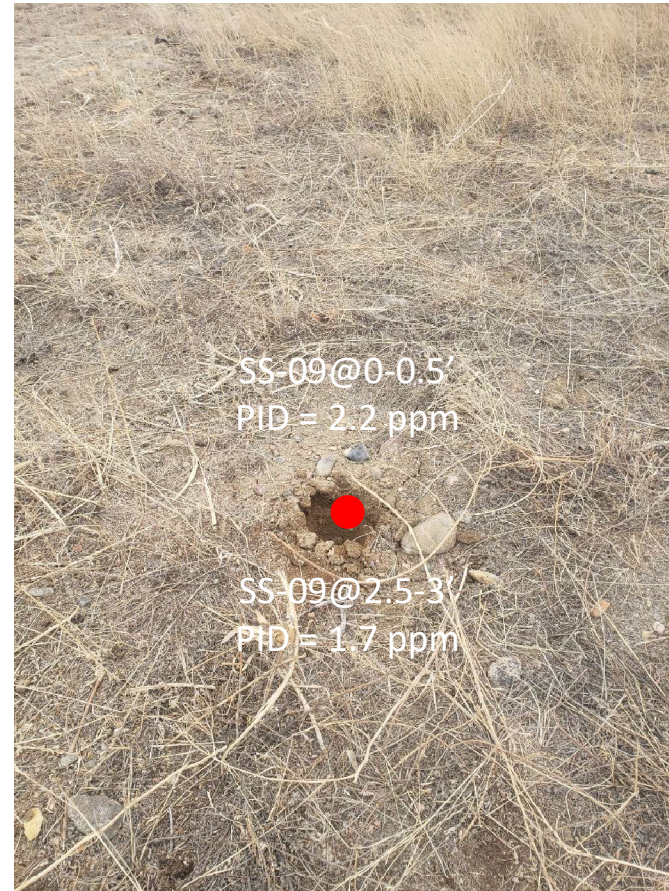


No petroleum hydrocarbon staining or odor observed

Pit Assessment 2/11/22

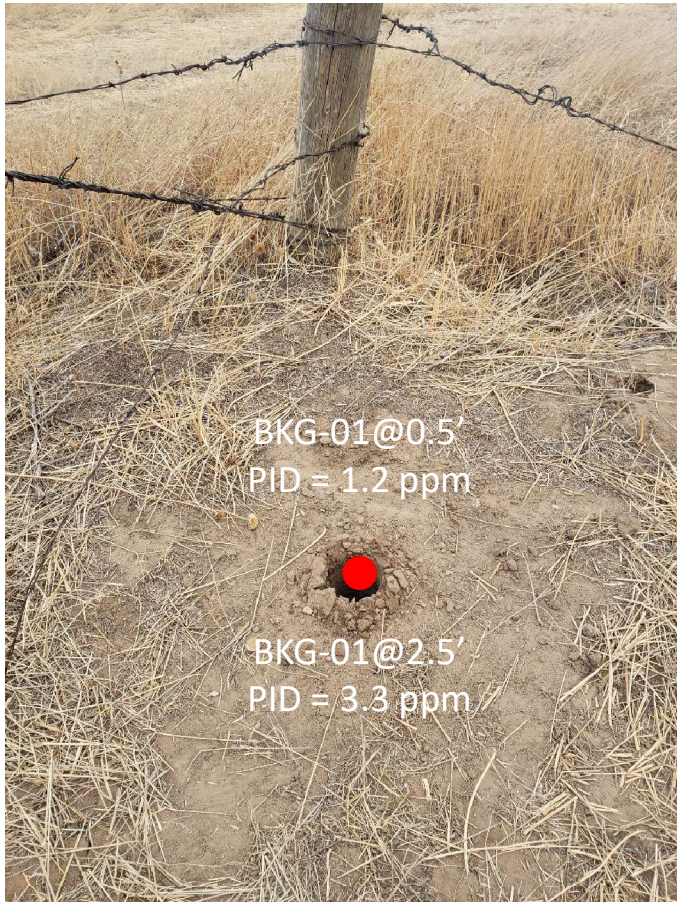


No petroleum hydrocarbon staining or odor observed



No petroleum hydrocarbon staining or odor observed

Pit Assessment 2/11/22

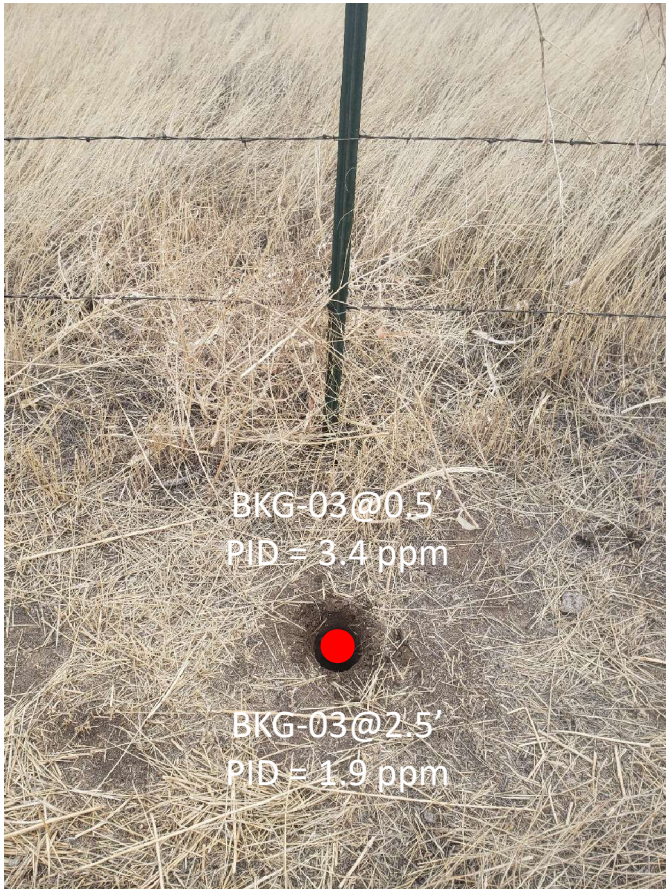


No petroleum hydrocarbon staining or odor observed



No petroleum hydrocarbon staining or odor observed

Pit Assessment 2/11/22



No petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Report



March 01, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - State 1-36

Project Number - [none]

Attached are your analytical results for State 1-36 received by Origins Laboratory, Inc. February 11, 2022. This project is associated with Origins project number Y202284-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: State 1-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-04@0-0.5'	Y202284-01	Soil	February 11, 2022 10:39	02/11/2022 16:05
SS-04@2.5-3'	Y202284-02	Soil	February 11, 2022 10:42	02/11/2022 16:05
SS-05@0-0.5'	Y202284-03	Soil	February 11, 2022 10:51	02/11/2022 16:05
SS-05@2.5-3'	Y202284-04	Soil	February 11, 2022 10:56	02/11/2022 16:05
SS-06@0-0.5'	Y202284-05	Soil	February 11, 2022 11:18	02/11/2022 16:05
SS-06@2.5-3'	Y202284-06	Soil	February 11, 2022 11:22	02/11/2022 16:05
SS-07@0-0.5'	Y202284-07	Soil	February 11, 2022 11:40	02/11/2022 16:05
SS-07@2.5-3'	Y202284-08	Soil	February 11, 2022 11:44	02/11/2022 16:05
SS-08@0-0.5'	Y202284-09	Soil	February 11, 2022 12:01	02/11/2022 16:05
SS-08@2.5-3'	Y202284-10	Soil	February 11, 2022 12:05	02/11/2022 16:05
SS-09@0-0.5'	Y202284-11	Soil	February 11, 2022 12:31	02/11/2022 16:05
SS-09@2.5-3'	Y202284-12	Soil	February 11, 2022 12:36	02/11/2022 16:05
BKG-01@0.5'	Y202284-13	Soil	February 11, 2022 13:05	02/11/2022 16:05
BKG-01@2.5	Y202284-14	Soil	February 11, 2022 13:09	02/11/2022 16:05

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: State 1-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG-02@0.5'	Y202284-15	Soil	February 11, 2022 13:18	02/11/2022 16:05
BKG-02@2.5'	Y202284-16	Soil	February 11, 2022 13:21	02/11/2022 16:05
BKG-03@0.5'	Y202284-17	Soil	February 11, 2022 13:34	02/11/2022 16:05
BKG-03@2.5'	Y202284-18	Soil	February 11, 2022 13:38	02/11/2022 16:05

On 2/23/2022, Daniel Coloccia from Eagle contacted Jordan Merrill via email regarding State 1-36 requesting that pH, EC, SAR, and Boron be added to all BKG samples.

Requested modifications to the chain of custody were made by Jordan Merrill on 2/23/2022.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

ORIGINS
LABORATORY, INC

4202284

www.originslaboratory.com

page 1 of 2

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303-433-0479
Email Address: mce3@eagle-enviro.com

Project Manager: Daniel Coloccia
Project Name: State 1-36
Project Number:
Samples Collected By: TC

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis				Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	At Summa #	Other	EC	SAR	
SS-04 @ 0-0.5'	02-11-22	1039	2	X				X		X	X	X		1
SS-04 @ 2.5-3'		1042	1											2
SS-05 @ 0-0.5'		1051	1											3
SS-05 @ 2.5-3'		1056	1											4
SS-06 @ 0-0.5'		1118	1											5
SS-06 @ 2.5-3'		1122	1											6
SS-07 @ 0-0.5'		1140	1											7
SS-07 @ 2.5-3'		1144	1											8
SS-08 @ 0-0.5'		1201	1											9
SS-08 @ 2.5-3'		1205	1											10
Relinquished By: Trevor Copple	Date: 02-11-22	Time: 1605		Received By: [Signature]	Date: 2/11/22	Time: 1605		Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard						

Temp Received: 16 Date Results Needed

Origins Laboratory, Inc.

Jordan A. Merrill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

ORIGINS
LABORATORY, INC

www.originslaboratory.com

page 2 of 2

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303-433-0479
Email Address: mcc3@eagle-enviro.com

Project Manager: Daniel Coloccia
Project Name: State 1-36
Project Number:
Samples Collected By: TZ

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analysis			Sample Instructions
				Unpreserved	HCl	HNO ₃	Groundwater	Soil	Other	Other	EC	
SS-09 @ 0-0.5'	02-11-22	1231	2	X								Hold
SS-09 @ 2.5-3'		1236	1									X
BKG-01 @ 0.5'		1305	1									X
BKG-01 @ 2.5'		1309	1									X
BKG-02 @ 0.5'		1318	1									X
BKG-02 @ 2.5'		1321	1									X
BKG-03 @ 0.5'		1334	1									X
BKG-03 @ 2.5'		1338	1									X
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<div> <div>Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/></div> </div>												

Date Results Needed

Temp Received: 16

Origins Laboratory, Inc.

Jordan A. Merrill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 1702284

Client: Eagle
Client Project ID: State 1-36

Checklist Completed by: SG

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/Time completed: 2/14/22

Airbill #: N/A

Matrix(s) Received: (Check all that apply): X Soil/Solid Water Other: (Describe)

Cooler Number/Temperature: 1 1.6 °C °C °C °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) jm

2-15-22
Date/Time Reviewed

Origins Laboratory, Inc.

Jordan A. Merrill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-04@0-0.5'

2/11/2022 10:39:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-01 (Soil)

Boron (DTPA Sorbitol)

Boron	20.5	0.0990	mg/L	1	B2B1404	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	4.48	0.499	meq/L	10	[CALC]	KAP	02/14/2022	02/15/2022
Magnesium	4.25	0.823	"	"	"	KAP	"	"
Sodium	75.6	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.91		pH Units	1	B2B1408	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	36.2		SAR	1	B2B1403	KAP	02/14/2022	02/15/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	7.54	0.00500	mmhos/cm	1	B2B1406	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-04@2.5-3'

2/11/2022 10:42:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-02 (Soil)

Boron (DTPA Sorbitol)

Boron	31.4	0.995	mg/L	10	B2B1404	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	"	[CALC]	KAP	02/14/2022	02/15/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	76.5	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	9.05		pH Units	1	B2B1408	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	111		SAR	1	B2B1403	KAP	02/14/2022	02/15/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	7.56	0.00500	mmhos/cm	1	B2B1406	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-05@0-0.5'

2/11/2022 10:51:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-03 (Soil)

Boron (DTPA Sorbitol)

Boron	19.4	0.0981	mg/L	1	B2B1404	KAP	02/14/2022	02/17/2022
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Metals by Saturated Paste by EPA 6010

Calcium	4.35	0.499	meq/L	10	[CALC]	KAP	02/14/2022	02/15/2022
Magnesium	4.34	0.823	"	"	"	KAP	"	"
Sodium	78.9	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.07		pH Units	1	B2B1408	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	37.8		SAR	1	B2B1403	KAP	02/14/2022	02/15/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	8.15	0.00500	mmhos/cm	1	B2B1406	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-05@2.5-3'

2/11/2022 10:56:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-04 (Soil)

Boron (DTPA Sorbitol)

Boron	33.6	0.982	mg/L	10	B2B1418	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	"	[CALC]	KAP	02/14/2022	02/15/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	69.9	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	9.07		pH Units	1	B2B1408	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	101		SAR	1	B2B1403	KAP	02/14/2022	02/15/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	6.92	0.00500	mmhos/cm	1	B2B1406	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-06@0-0.5'

2/11/2022 11:18:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-05 (Soil)

Boron (DTPA Sorbitol)

Boron	22.3	0.985	mg/L	10	B2B1418	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	4.59	0.499	meq/L	"	[CALC]	KAP	02/14/2022	02/15/2022
Magnesium	4.29	0.823	"	"	"	KAP	"	"
Sodium	74.5	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.92		pH Units	1	B2B1408	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	35.4		SAR	1	B2B1403	KAP	02/14/2022	02/15/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	7.80	0.00500	mmhos/cm	1	B2B1406	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-06@2.5-3'

2/11/2022 11:22:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-06 (Soil)

Boron (DTPA Sorbitol)

Boron	33.1	0.990	mg/L	10	B2B1418	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	"	[CALC]	KAP	02/14/2022	02/15/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	80.4	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	9.09		pH Units	1	B2B1408	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	112		SAR	1	B2B1403	KAP	02/14/2022	02/15/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	7.68	0.00500	mmhos/cm	1	B2B1406	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-07@0-0.5'

2/11/2022 11:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-07 (Soil)

Boron (DTPA Sorbitol)

Boron	37.0	1.00	mg/L	10	B2B1418	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	ND	4.99	meq/L	100	[CALC]	KAP	02/14/2022	02/22/2022
Magnesium	ND	8.23	"	"	"	KAP	"	"
Sodium	119	4.35	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.51		pH Units	1	B2B1408	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	29.8		SAR	1	B2B1403	KAP	02/14/2022	02/22/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	10.4	0.00500	mmhos/cm	1	B2B1406	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-07@2.5-3'

2/11/2022 11:44:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-08 (Soil)

Boron (DTPA Sorbitol)

Boron	20.3	0.984	mg/L	10	B2B1418	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	"	[CALC]	KAP	02/14/2022	02/15/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	71.1	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	9.18		pH Units	1	B2B1408	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	114		SAR	1	B2B1403	KAP	02/14/2022	02/15/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	6.92	0.00500	mmhos/cm	1	B2B1406	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-08@0-0.5'

2/11/2022 12:01:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-09 (Soil)

Boron (DTPA Sorbitol)

Boron	37.0	1.00	mg/L	10	B2B1418	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	ND	4.99	meq/L	100	[CALC]	KAP	02/14/2022	02/22/2022
Magnesium	ND	8.23	"	"	"	KAP	"	"
Sodium	118	4.35	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.43		pH Units	1	B2B1420	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	88.0		SAR	1	B2B1419	KAP	02/14/2022	02/22/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	10.5	0.00500	mmhos/cm	1	B2B1421	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-08@2.5-3'

2/11/2022 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-10 (Soil)

Boron (DTPA Sorbitol)

Boron	42.9	0.984	mg/L	10	B2B1418	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	"	[CALC]	KAP	02/14/2022	02/15/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	60.0	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	9.31		pH Units	1	B2B1420	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	99.3		SAR	1	B2B1419	KAP	02/14/2022	02/15/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	6.06	0.00500	mmhos/cm	1	B2B1421	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-09@0-0.5'

2/11/2022 12:31:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-11 (Soil)

Boron (DTPA Sorbitol)

Boron	31.1	0.984	mg/L	10	B2B1418	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	ND	4.99	meq/L	100	[CALC]	KAP	02/14/2022	02/22/2022
Magnesium	ND	8.23	"	"	"	KAP	"	"
Sodium	121	4.35	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.47		pH Units	1	B2B1420	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	81.9		SAR	1	B2B1419	KAP	02/14/2022	02/22/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	10.2	0.00500	mmhos/cm	1	B2B1421	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

SS-09@2.5-3'

2/11/2022 12:36:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-12 (Soil)

Boron (DTPA Sorbitol)

Boron	41.9	0.983	mg/L	10	B2B1418	KAP	02/14/2022	02/15/2022
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	"	[CALC]	KAP	02/14/2022	02/15/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	51.9	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	9.48		pH Units	1	B2B1420	ACC	02/14/2022	02/15/2022
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SAR by 20B Saturated Paste

SAR	97.4		SAR	1	B2B1419	KAP	02/14/2022	02/15/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.08	0.00500	mmhos/cm	1	B2B1421	ACC	02/14/2022	02/15/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

BKG-01@0.5'

2/11/2022 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y202284-13 (Soil)

Boron (DTPA Sorbitol)

Boron	0.641	0.100	mg/L	1	B2B2408	KAP	02/24/2022	02/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.30	0.499	meq/L	10	[CALC]	KAP	02/24/2022	02/25/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.06		pH Units	1	B2B2409	ACC	02/24/2022	02/25/2022
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SAR by 20B Saturated Paste

SAR	0.0723		SAR	1	B2B2402	KAP	02/24/2022	02/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.250	0.00500	mmhos/cm	1	B2B2410	ACC	02/24/2022	02/25/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

BKG-01@2.5

2/11/2022 1:09:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-14 (Soil)

Boron (DTPA Sorbitol)

Boron	8.34	0.993	mg/L	10	B2B2408	KAP	02/24/2022	02/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.03	0.499	meq/L	"	[CALC]	KAP	02/24/2022	02/25/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	1.95	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.64		pH Units	1	B2B2409	ACC	02/24/2022	02/25/2022
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SAR by 20B Saturated Paste

SAR	2.20		SAR	1	B2B2402	KAP	02/24/2022	02/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.429	0.00500	mmhos/cm	1	B2B2410	ACC	02/24/2022	02/25/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

BKG-02@0.5'

2/11/2022 1:18:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y202284-15 (Soil)

Boron (DTPA Sorbitol)

Boron	0.714	0.0992	mg/L	1	B2B2408	KAP	02/24/2022	02/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.26	0.499	meq/L	10	[CALC]	KAP	02/24/2022	02/25/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.01		pH Units	1	B2B2409	ACC	02/24/2022	02/25/2022
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SAR by 20B Saturated Paste

SAR	0.0731		SAR	1	B2B2402	KAP	02/24/2022	02/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.254	0.00500	mmhos/cm	1	B2B2410	ACC	02/24/2022	02/25/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

BKG-02@2.5'

2/11/2022 1:21:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y202284-16 (Soil)

Boron (DTPA Sorbitol)

Boron	7.37	0.996	mg/L	10	B2B2408	KAP	02/24/2022	02/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.14	0.499	meq/L	"	[CALC]	KAP	02/24/2022	02/25/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	2.01	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.73		pH Units	1	B2B2409	ACC	02/24/2022	02/25/2022
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SAR by 20B Saturated Paste

SAR	2.17		SAR	1	B2B2402	KAP	02/24/2022	02/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.452	0.00500	mmhos/cm	1	B2B2410	ACC	02/24/2022	02/25/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

BKG-03@0.5'

2/11/2022 1:34:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202284-17 (Soil)

Boron (DTPA Sorbitol)

Boron	0.798	0.0997	mg/L	1	B2B2408	KAP	02/24/2022	02/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.34	0.499	meq/L	10	[CALC]	KAP	02/24/2022	02/25/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.98		pH Units	1	B2B2409	ACC	02/24/2022	02/25/2022
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SAR by 20B Saturated Paste

SAR	0.0758		SAR	1	B2B2402	KAP	02/24/2022	02/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.254	0.00500	mmhos/cm	1	B2B2410	ACC	02/24/2022	02/25/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

BKG-03@2.5'

2/11/2022 1:38:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y202284-18 (Soil)

Boron (DTPA Sorbitol)

Boron	6.77	0.995	mg/L	10	B2B2408	KAP	02/24/2022	02/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	0.903	0.499	meq/L	"	[CALC]	KAP	02/24/2022	02/25/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	1.86	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.67		pH Units	1	B2B2409	ACC	02/24/2022	02/25/2022
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SAR by 20B Saturated Paste

SAR	2.25		SAR	1	B2B2402	KAP	02/24/2022	02/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.391	0.00500	mmhos/cm	1	B2B2410	ACC	02/24/2022	02/25/2022
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Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2B1406 - NO PREP										
Blank (B2B1406-BLK1)					Prepared: 02/14/2022 Analyzed: 02/15/2022					
Specific Conductance (EC)	0.000900	0.00500	mmhos/cm							
Duplicate (B2B1406-DUP1)					Source: Y202274-05		Prepared: 02/14/2022 Analyzed: 02/15/2022			
Specific Conductance (EC)	4.06	0.00500	mmhos/cm		5.64			32.6	25	QR-DUP
Batch B2B1408 - NO PREP										
Duplicate (B2B1408-DUP1)					Source: Y202274-05		Prepared: 02/14/2022 Analyzed: 02/15/2022			
pH	7.70		pH Units		7.90			2.56	25	
Batch B2B1420 - NO PREP										
Duplicate (B2B1420-DUP1)					Source: Y202284-09		Prepared: 02/14/2022 Analyzed: 02/15/2022			
pH	8.36		pH Units		8.43			0.834	25	
Batch B2B1421 - NO PREP										
Blank (B2B1421-BLK1)					Prepared: 02/14/2022 Analyzed: 02/15/2022					
Specific Conductance (EC)	0.000800	0.00500	mmhos/cm							
Duplicate (B2B1421-DUP1)					Source: Y202284-09		Prepared: 02/14/2022 Analyzed: 02/15/2022			
Specific Conductance (EC)	10.7	0.00500	mmhos/cm		10.5			2.66	25	
Batch B2B2409 - NO PREP										
Duplicate (B2B2409-DUP1)					Source: Y202213-01		Prepared: 02/24/2022 Analyzed: 02/25/2022			
pH	8.53		pH Units		8.20			3.95	25	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: State 1-36

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2B2410 - NO PREP										
Blank (B2B2410-BLK1)					Prepared: 02/24/2022 Analyzed: 02/25/2022					
Specific Conductance (EC)	0.000900	0.00500	mmhos/cm							
Duplicate (B2B2410-DUP1)					Source: Y202213-01 Prepared: 02/24/2022 Analyzed: 02/25/2022					
Specific Conductance (EC)	0.730	0.00500	mmhos/cm		0.523			32.9	25	QR-DUP

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: State 1-36

Notes and Definitions

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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