

FIGURES

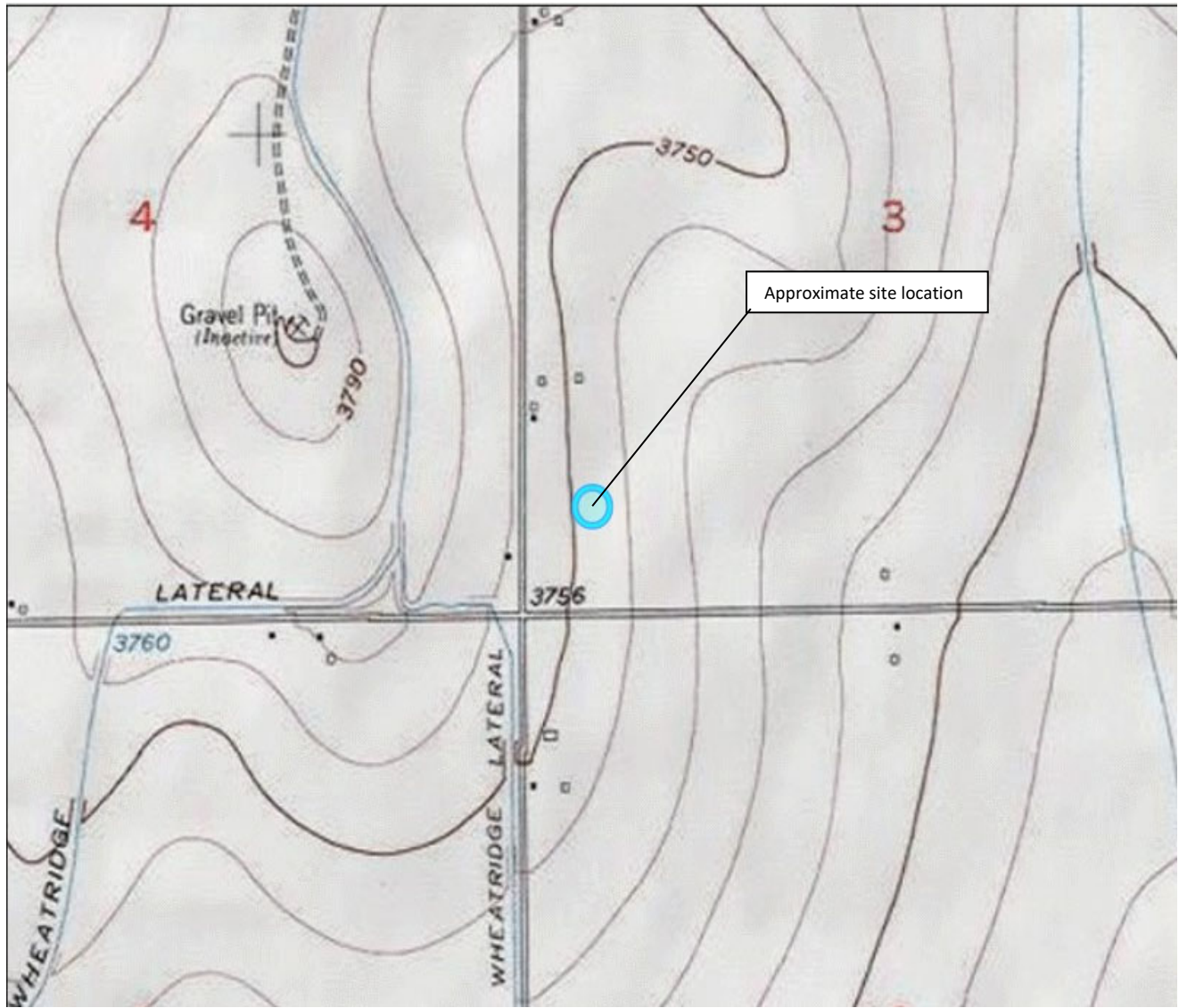


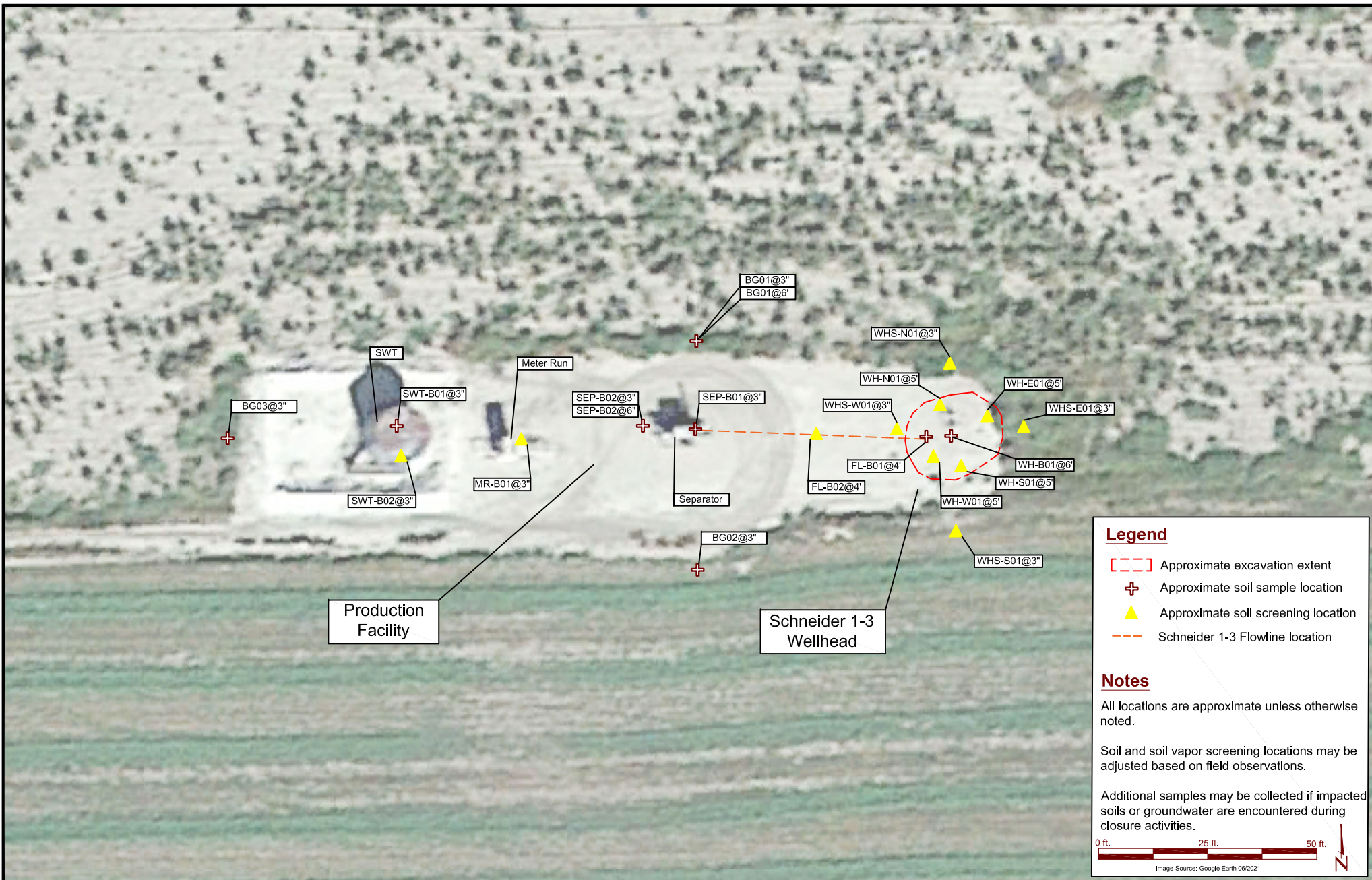
Figure 1

Site Location Map
Murfin Drilling Company
 Schneider 1-3, Schneider-62S46W/3SWSW
 SWSW Sec.3-T22S-R46W
 Prowers County, Colorado



Source: USGS 7.5 Minute Topographic Map, May Valley, CO Quadrangle

Drawn By: BV Date: 02/3/2023



DATE: May 18, 2023

DESIGNED BY:
D. Coloccia

DRAWN BY:
A. McNall



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

Murfin Drilling Company
Schneider 1-3, Schneider 62S46W/3SWW
SWW Sec. 3-T22S-R46W
Cheyenne County, Colorado

Screening and Sample
Location Map

Figure
2

TABLES

TABLE 1
SCHNEIDER 1-3, SCHNEIDER-62S46W3SWSW
SOIL SAMPLE FIELD DATA SUMMARY TABLE
MURFIN DRILLING COMPANY

Sample Location	Date	Approximate Depth (feet bgs)	PID (ppm-v)	Visual Observation	Olfactory Observation	Latitude, Longitude	Submitted for Lab Analysis (Y/N)
Wellhead Soil Samples							
WH-B01 @ 6'	3/9/2023	6	3.6	N/S	N/O	38.1598783107859, -102.574995867037	Y
WH-N01 @ 5'	3/9/2023	5	4.3	N/S	N/O	38.1599035000898, -102.575003390254	N
WH-S01 @ 5'	3/9/2023	5	3.2	N/S	N/O	38.1598645999997, -102.574987948653	N
WH-E01 @ 5'	3/9/2023	5	1.7	N/S	N/O	38.1598934526002, -102.574965793654	N
WH-W01 @ 5'	3/9/2023	5	2.9	N/S	N/O	38.1598677658213, -102.575009278079	N
WHS-N01 @ 3"	3/9/2023	0.25	2.1	N/S	N/O	38.1599407750928, -102.575007562272	N
WHS-S01 @ 3"	3/9/2023	0.25	1.5	N/S	N/O	38.1598235575724, -102.574986246524	N
WHS-E01 @ 3"	3/9/2023	0.25	3.1	N/S	N/O	38.159888203183, -102.574937997271	N
WHS-W01 @ 3"	3/9/2023	0.25	1.0	N/S	N/O	38.1598821764327, -102.575047488315	N
Flowline Soil Samples							
FL-B01 @ 4'	3/9/2023	3	2.7	N/S	N/O	38.1598778999995, -102.575016948645	Y
FL-B02 @ 4'	3/9/2023	3	2.9	N/S	N/O	38.1598846836498, -102.575100973369	N
Facility Soil Samples							
SEP-B01 @ 3"	3/9/2023	0.25	1.1	N/S	N/O	38.1598860847833, -102.575192798701	Y
SEP-B02 @ 3"	3/9/2023	0.25	3.0	N/S	N/O	38.1598888048838, -102.575238803039	Y
MR-B01 @ 3"	3/9/2023	0.25	3.1	N/S	N/O	38.1598834647424, -102.575311560353	N
SWT-B01 @ 3"	5/4/2023	0.25	2.4	N/S	N/O	38.159885810307, -102.575411198409	Y
SWT-B02 @ 3"	5/4/2023	0.25	2.9	N/S	N/O	38.1598654498052, -102.575410122604	N
SEP-B02 @ 6"	5/4/2023	0.5	1.8	N/S	N/O	38.159884287958, -102.575229080013	Y
Wellhead Background Soil Samples							
BG01 @ 3"	3/9/2023	0.25	1.6	N/S	N/O	38.1599381909373, -102.575184722623	Y
BG01 @ 6'	3/9/2023	6	3.7	N/S	N/O	38.1599381909373, -102.575184722623	Y
BG02 @ 3"	5/4/2023	0.25	1.4	N/S	N/O	38.1598177189352, -102.575183842299	Y
BG03 @ 3"	5/4/2023	0.25	1.6	N/S	N/O	38.1598810482189, -102.575519012849	Y

bgs = below ground surface

PID = photoionization detector

ppm-v = parts per million by volume

N/S = No Staining

N/O = No Odor

TABLE 2
SCHNEIDER 1-3, SCHNEIDER-62S46W3SWW
SOIL SAMPLE FIELD DATA SUMMARY TABLE
MURFIN DRILLING COMPANY

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Naphthalene (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
COGCC standards for soil (mg/kg) ⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
COGCC standards for soil (mg/kg) ⁽²⁾		1.2	490	5.8	58	500			2	30	27
Wellhead Soil Samples											
WH-B01 @ 6'	3/9/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
Flowline Soil Samples											
FL-B01 @ 4'	3/9/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
Facility Soil Samples											
SEP-B01 @ 3"	3/9/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B02 @ 3"	3/9/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SWT-B01 @ 3"	5/4/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200

Notes:

⁽¹⁾ COGCC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ COGCC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

COGCC = Colorado Oil and Gas Conservation Commission

< = Analytical result is less than the laboratory reporting limit

mg/kg = milligrams per kilogram

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

TMB = Trimethylbenzene

TABLE 3
SCHNEIDER 1-3, SCHNEIDER-62S46W3SWSW
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
MURFIN DRILLING COMPANY

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
<i>COGCC standards for soil (mg/kg) ⁽¹⁾</i>			6 - 8.3	<6	<4	2
Wellhead Soil Samples						
WH-B01 @ 6'	3/9/2023	6	8.03	1.66	1.02	0.659
Flowline Soil Samples						
FL-B01 @ 4'	3/9/2023	4	7.95	1.65	1.10	0.596
Facility Soil Samples						
SEP-B01 @ 3"	3/9/2023	0.25	7.89	0.222	0.705	0.478
SEP-B02 @ 3"	3/9/2023	0.25	7.68	1.37	2.92	3.23
SEP-B02 @ 3" (re-run 1)	3/9/2023	0.25	NA	NA	NA	3.08
SEP-B02 @ 3" (re-run 2)	3/9/2023	0.25	NA	NA	NA	3.41
SEP-B02 @ 6"	5/4/2023	0.5	NA	NA	NA	2.15*
SEP-B02 @ 6" (re-run 1)	5/4/2023	0.5	NA	NA	NA	1.99
SEP-B02 @ 6" (re-run 2)	5/4/2023	0.5	NA	NA	NA	1.96
SWT-B01 @ 3"	5/4/2023	0.25	7.52	0.603	3.03	1.54
Background Soil Samples						
BG01 @ 3"	3/9/2023	0.25	NA	NA	NA	1.87
BG01 @ 6'	3/9/2023	6	NA	NA	NA	1.36
BG02 @ 3"	5/4/2023	0.25	NA	NA	NA	1.67
BG03 @ 3"	5/4/2023	0.25	NA	NA	NA	1.56

Notes:

⁽¹⁾ Standards for soil are taken from COGCC Table 915-1, effective January 15, 2021

COGCC = Colorado Oil and Gas Conservation Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

ft. bgs = Feet below ground surface

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Absorption Ratio

EC = Electrical Conductivity

NA = Not Analyzed

Values presented in **BOLD** contained concentrations exceeding COGCC Table 915-1 Cleanup Concentrations

Values presented in **BOLD*** contained concentrations exceeding COGCC Table 915-1 Cleanup Concentrations, but are within an acceptable range of analytical variability of site-specific background concentrations.

ATTACHMENT A
LABORATORY DATA



March 31, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Schneider 1-3, Schneider
62S46W/35WSW**

Project Number - [none]

Attached are your analytical results for Schneider 1-3, Schneider 62S46W/35WSW received by Origins Laboratory, Inc. March 10, 2023. This project is associated with Origins project number Y303278-01.

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, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/35WSW

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y303278-01	Soil	March 9, 2023 11:47	03/10/2023 13:40
FL-B01@4'	Y303278-02	Soil	March 9, 2023 11:56	03/10/2023 13:40
SEP-B01@3"	Y303278-03	Soil	March 9, 2023 11:58	03/10/2023 13:40
SEP-B02@3"	Y303278-04	Soil	March 9, 2023 11:59	03/10/2023 13:40
BG01@3"	Y303278-05	Soil	March 9, 2023 12:01	03/10/2023 13:40
BG01@6'	Y303278-06	Soil	March 9, 2023 12:02	03/10/2023 13:40

Boron rerun was requested on SEP-B02@3" per Daniel's email on 03/29/2023, all 3 results are reported since there were no errors found in the data. JAB

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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4303278 Client: Eagle
Client Project ID: Schneider 1-3, Schneider
Checklist Completed by: EHS/DE Shipped Via: HO 62546W/
Date/time completed: 3/10/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.) 35 WSW
Airbill #: NA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: _____
Cooler Number/Temperature: 1 6.0 °C / 1 °C / 1 °C (Describe) °C
Thermometer ID: T004

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) [Signature] Date/Time Reviewed 3/13/23

Origins Laboratory, Inc.

J. Bynon

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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

WH-B01@6'
3/9/2023 11:47:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303278-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.659	0.100	mg/L	1	B3C1404	CJM	03/14/2023	03/15/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C1301	ZZZ	03/13/2023	03/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	83.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3C1041	ZZZ	03/11/2023	03/14/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

WH-B01@6'
3/9/2023 11:47:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303278-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	5.34	0.499	meq/L	10	[CALC]	CJM	03/15/2023	03/17/2023
Magnesium	2.00	0.823	"	"	"	CJM	"	"
Sodium	3.18	0.435	"	"	"	CJM	"	"

pH in Soil by 9045D

pH	8.03		pH Units	1	B3C1516	HJD	03/15/2023	03/16/2023
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SAR by 20B Saturated Paste

SAR	1.66		SAR	1	B3C1506	CJM	03/15/2023	03/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.02	0.00500	mmhos/cm	1	B3C1516	HJD	03/15/2023	03/16/2023
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Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

FL-B01@4'

3/9/2023 11:56:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303278-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.596	0.0998	mg/L	1	B3C1404	CJM	03/14/2023	03/15/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C1301	ZZZ	03/13/2023	03/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	83.6 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3C1041	ZZZ	03/11/2023	03/14/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	88.2 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	112 %	70-130			"	"	"

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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

FL-B01@4'

3/9/2023 11:56:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303278-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	6.45	0.499	meq/L	10	[CALC]	CJM	03/15/2023	03/17/2023
Magnesium	2.52	0.823	"	"	"	CJM	"	"
Sodium	3.49	0.435	"	"	"	CJM	"	"

pH in Soil by 9045D

pH	7.95		pH Units	1	B3C1516	HJD	03/15/2023	03/16/2023
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SAR by 20B Saturated Paste

SAR	1.65		SAR	1	B3C1506	CJM	03/15/2023	03/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.10	0.00500	mmhos/cm	1	B3C1516	HJD	03/15/2023	03/16/2023
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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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

SEP-B01@3"
3/9/2023 11:58:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303278-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.478	0.0999	mg/L	1	B3C1404	CJM	03/14/2023	03/15/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C1301	ZZZ	03/13/2023	03/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	83.1 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3C1041	ZZZ	03/11/2023	03/14/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	104 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

SEP-B01@3"

3/9/2023 11:58:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303278-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	4.87	0.499	meq/L	10	[CALC]	CJM	03/15/2023	03/17/2023
Magnesium	1.38	0.823	"	"	"	CJM	"	"
Sodium	ND	0.435	"	"	"	CJM	"	"

pH in Soil by 9045D

pH	7.89		pH Units	1	B3C1516	HJD	03/15/2023	03/16/2023
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SAR by 20B Saturated Paste

SAR	0.222		SAR	1	B3C1506	CJM	03/15/2023	03/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.705	0.00500	mmhos/cm	1	B3C1516	HJD	03/15/2023	03/16/2023
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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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

SEP-B02@3"

3/9/2023 11:59:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303278-04 (Soil)

Boron (DTPA Sorbitol)

Boron	3.23	0.0999	mg/L	1	B3C1404	CJM	03/14/2023	03/15/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C1301	ZZZ	03/13/2023	03/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	93.1 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3C1041	ZZZ	03/11/2023	03/14/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130			"	"	"
Surrogate: Toluene-d8	98.6 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	110 %	70-130			"	"	"

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

SEP-B02@3"

3/9/2023 11:59:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303278-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	21.1	0.499	meq/L	10	[CALC]	CJM	03/15/2023	03/17/2023
Magnesium	7.55	0.823	"	"	"	CJM	"	"
Sodium	5.19	0.435	"	"	"	CJM	"	"

pH in Soil by 9045D

pH	7.68		pH Units	1	B3C1516	HJD	03/15/2023	03/16/2023
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SAR by 20B Saturated Paste

SAR	1.37		SAR	1	B3C1506	CJM	03/15/2023	03/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.92	0.00500	mmhos/cm	1	B3C1516	HJD	03/15/2023	03/16/2023
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/35WSW

SEP-B02@3"

3/9/2023 11:59:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y303278-04RE1 (Soil)

Boron (DTPA Sorbitol)

Boron	3.08	0.0999	mg/L	1	B3C2913	KAP	03/14/2023	03/30/2023
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/35WSW

SEP-B02@3"

3/9/2023 11:59:00AM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y303278-04RE2 (Soil)

Boron (DTPA Sorbitol)

Boron	3.41	0.100	mg/L	1	B3C2913	KAP	03/14/2023	03/30/2023	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/35WSW

BG01@3"

3/9/2023 12:01:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y303278-05 (Soil)

Boron (DTPA Sorbitol)

Boron	1.87	0.100	mg/L	1	B3C2305	KAP	03/23/2023	03/24/2023
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/35WSW

BG01@6'

3/9/2023 12:02:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y303278-06 (Soil)

Boron (DTPA Sorbitol)

Boron	1.36	0.100	mg/L	1	B3C2305	KAP	03/23/2023	03/24/2023
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Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C1041 - EPA 5030 (soil)										
Blank (B3C1041-BLK1)					Prepared: 03/11/2023 Analyzed: 03/14/2023					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C1041 - EPA 5030 (soil)										
LCS (B3C1041-BS1)					Prepared: 03/11/2023 Analyzed: 03/14/2023					
1,2,4-Trimethylbenzene	0.0981	0.00200	mg/kg	0.100		98.1	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Benzene	0.102	0.00200	"	0.100		102	70-130			
Ethylbenzene	0.0999	0.00200	"	0.100		99.9	70-130			
Naphthalene	0.0915	0.00380	"	0.100		91.5	70-130			
Toluene	0.0942	0.00200	"	0.100		94.2	70-130			
o-Xylene	0.0863	0.00200	"	0.100		86.3	70-130			
m,p-Xylene	0.200	0.00400	"	0.200		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.0	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C1041 - EPA 5030 (soil)										
Matrix Spike (B3C1041-MS1)		Source: Y303257-01			Prepared: 03/11/2023 Analyzed: 03/14/2023					
1,2,4-Trimethylbenzene	0.0835	0.00200	mg/kg	0.100	ND	83.5	70-130			
1,3,5-Trimethylbenzene	0.0874	0.00200	"	0.100	ND	87.4	70-130			
Benzene	0.0856	0.00200	"	0.100	ND	85.6	70-130			
Ethylbenzene	0.0941	0.00200	"	0.100	ND	94.1	70-130			
Naphthalene	0.0717	0.00380	"	0.100	ND	71.7	70-130			
Toluene	0.0782	0.00200	"	0.100	ND	78.2	70-130			
o-Xylene	0.0812	0.00200	"	0.100	ND	81.2	70-130			
m,p-Xylene	0.186	0.00400	"	0.200	ND	93.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C1041 - EPA 5030 (soil)										
Matrix Spike Dup (B3C1041-MSD1)	Source: Y303257-01				Prepared: 03/11/2023 Analyzed: 03/14/2023					
1,2,4-Trimethylbenzene	0.0802	0.00200	mg/kg	0.100	ND	80.2	70-130	4.10	20	
1,3,5-Trimethylbenzene	0.0834	0.00200	"	0.100	ND	83.4	70-130	4.68	20	
Benzene	0.0909	0.00200	"	0.100	ND	90.9	70-130	6.01	20	
Ethylbenzene	0.0950	0.00200	"	0.100	ND	95.0	70-130	0.910	20	
Naphthalene	0.0726	0.00380	"	0.100	ND	72.6	70-130	1.19	20	
Toluene	0.0803	0.00200	"	0.100	ND	80.3	70-130	2.63	20	
o-Xylene	0.0796	0.00200	"	0.100	ND	79.6	70-130	1.89	20	
m,p-Xylene	0.190	0.00400	"	0.200	ND	94.8	70-130	1.84	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/35WSW

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C1301 - EPA 3580										
Blank (B3C1301-BLK1)					Prepared: 03/13/2023 Analyzed: 03/15/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		84.6	50-150			

Origins Laboratory, Inc.



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accordance with the chain of custody document. This
analytical report must be reproduced in its entirety.*

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C1301 - EPA 3580										
LCS (B3C1301-BS1)					Prepared: 03/13/2023 Analyzed: 03/15/2023					
Diesel (C10-C28)	906	50.0	mg/kg	1000		90.6	70-130			
Residual Range Organics (C28-C40)	931	200	"	1000		93.1	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.3	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/35WSW

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C1301 - EPA 3580

Matrix Spike (B3C1301-MS1)		Source: Y303278-01			Prepared: 03/13/2023 Analyzed: 03/15/2023					
Diesel (C10-C28)	860	50.0	mg/kg	1000	ND	86.0	70-130			
Residual Range Organics (C28-C40)	876	200	"	1000	ND	87.6	70-130			
Surrogate: o-Terphenyl	40		"	49.8		81.0	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C1301 - EPA 3580

Matrix Spike Dup (B3C1301-MSD1)		Source: Y303278-01			Prepared: 03/13/2023 Analyzed: 03/15/2023					
Diesel (C10-C28)	843	50.0	mg/kg	1000	ND	84.3	70-130	2.04	35	
Residual Range Organics (C28-C40)	856	200	"	1000	ND	85.6	70-130	2.25	35	
Surrogate: o-Terphenyl	40		"	49.8		81.3	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Classical Chemistry Parameters - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C1404 - DTPA Sorbitol Preparation

Blank (B3C1404-BLK1)

Prepared: 03/14/2023 Analyzed: 03/15/2023

Boron ND 0.100 mg/L

Duplicate (B3C1404-DUP1)

Source: Y303259-05

Prepared: 03/14/2023 Analyzed: 03/15/2023

Boron 5.84 0.0981 mg/L 7.07 19.1 50

Batch B3C1506 - Saturated Paste Metals

Blank (B3C1506-BLK1)

Prepared: 03/15/2023 Analyzed: 03/17/2023

SAR 0.00 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B3C1506-DUP1)

Source: Y303267-04

Prepared: 03/15/2023 Analyzed: 03/17/2023

SAR 0.00 SAR 0.957 200 200

Calcium PPM 50.7 10.0 mg/L 57.0 11.8 50

Magnesium PPM 13.8 10.0 " 15.2 9.62 50

Sodium PPM 29.0 10.0 " 31.5 8.31 50

Batch B3C2305 - DTPA Sorbitol Preparation

Blank (B3C2305-BLK1)

Prepared: 03/23/2023 Analyzed: 03/24/2023

Boron ND 0.100 mg/L

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C2305 - DTPA Sorbitol Preparation										
Duplicate (B3C2305-DUP1)		Source: Y303278-05			Prepared: 03/23/2023 Analyzed: 03/24/2023					
Boron	1.88	0.100	mg/L		1.87			0.854	50	
Batch B3C2913 - DTPA Sorbitol Preparation										
Blank (B3C2913-BLK1)		Prepared: 03/29/2023 Analyzed: 03/30/2023								
Boron	ND	0.100	mg/L							
Duplicate (B3C2913-DUP1)		Source: Y303719-12			Prepared: 03/29/2023 Analyzed: 03/30/2023					
Boron	0.0382	0.0994	mg/L		0.0335			13.1	50	

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/35WSW

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C1516 - Saturated Paste pH/EC										
Blank (B3C1516-BLK1)					Prepared: 03/15/2023 Analyzed: 03/16/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3C1516-DUP1)					Source: Y303267-04 Prepared: 03/15/2023 Analyzed: 03/16/2023					
Specific Conductance (EC)	0.708	0.00500	mmhos/cm		0.717			1.25	25	
pH	7.98		pH Units		8.00			0.250	25	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/35WSW

Notes and Definitions

U Sample is Non-Detect.

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.



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.



May 31, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Schneider 1-3, Schneider
62S46W/3SWSW**

Project Number - [none]

Attached are your analytical results for Schneider 1-3, Schneider 62S46W/3SWSW received by Origins Laboratory, Inc. May 05, 2023. This project is associated with Origins project number Y305181-01.

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, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/3SWSW

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SWT-B01@3"	Y305181-01	Soil	May 4, 2023 13:45	05/05/2023 09:30
SEP-B02@6"	Y305181-02	Soil	May 4, 2023 13:47	05/05/2023 09:30
BG02@3"	Y305181-03	Soil	May 4, 2023 13:48	05/05/2023 09:30
BG03@3"	Y305181-04	Soil	May 4, 2023 13:49	05/05/2023 09:30

Chain of Custody Modification Request

On 5/18/2023, Allie McNall from Eagle Environmental contacted Jordan Bynon via email regarding Y305181 requesting that SEP-B02@6" be taken off hold for Boron.

Requested modifications to the chain of custody were made by Jordan Bynon on 5/18/2023.

A Boron rerun was requested for SEP-B02@6" per Allie's email on 05/24/2023.

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4805181

Client: Eagle Environ

Client Project ID: Schneider 1-3

Shipped Via: UPS Schneider 62S46W/3SWSW

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: na

Checklist Completed by: JEP/ELH

Date/time completed: 5/5/23

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: _____

Cooler Number/Temperature: 1 / 10 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: 7003

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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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)

5/8/23
Date/Time Reviewed

Origins Laboratory, Inc.

Jen Pellegrini

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

SWT-B01@3"

5/4/2023 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y305181-01 (Soil) Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	1.54	0.0996	mg/L	1	B3E0809		05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0527		05/05/2023	05/08/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"		"	"	U

Surrogate: o-Terphenyl	93.2 %	50-150			"		"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0542		05/05/2023	05/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"		"	"	U
Benzene	ND	0.00200	"	"	"		"	"	U
Ethylbenzene	ND	0.00200	"	"	"		"	"	U
Naphthalene	ND	0.00380	"	"	"		"	"	U
Toluene	ND	0.00200	"	"	"		"	"	U
Xylenes, total	ND	0.00200	"	"	"		"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"		"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"		"	"	
Surrogate: Toluene-d8	87.7 %	70-130			"		"	"	
Surrogate: 4-Bromofluorobenzene	108 %	70-130			"		"	"	

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

SWT-B01@3"

5/4/2023 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y305181-01 (Soil)

Origins Laboratory, Inc.

Metals by Saturated Paste by EPA 6010

Calcium	18.6	0.499	meq/L	10	[CALC]		05/08/2023	05/10/2023
Magnesium	7.85	0.823	"	"	"		"	"
Sodium	2.19	0.435	"	"	"		"	"

pH in Soil by 9045D

pH	7.52		pH Units	1	B3E0810	D	05/08/2023	05/09/2023
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SAR by 20B Saturated Paste

SAR	0.603		SAR	1	B3E0804		05/08/2023	05/10/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.03	0.00500	mmhos/cm	1	B3E0810	D	05/08/2023	05/09/2023
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/3SWSW

SEP-B02@6"

5/4/2023 1:47:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Y305181-02 (Soil)

Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	2.15	0.0986	mg/L	1	B3E1902	05/19/2023	05/22/2023
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/3SWSW

SEP-B02@6"

5/4/2023 1:47:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Y305181-02RE1 (Soil)
Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	1.99	0.0984	mg/L	1	B3E2506	05/19/2023	05/26/2023
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/3SWSW

SEP-B02@6"

5/4/2023 1:47:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Y305181-02RE2 (Soil)
Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	1.96	0.0985	mg/L	1	B3E2506	05/19/2023	05/26/2023
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

BG02@3"

5/4/2023 1:48:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y305181-03 (Soil)
Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	1.67	0.0987	mg/L	1	B3E0809	05/08/2023	05/09/2023
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/3SWSW

BG03@3"

5/4/2023 1:49:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Y305181-04 (Soil)

Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	1.56	0.100	mg/L	1	B3E0809	05/08/2023	05/09/2023
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/3SWSW

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E0527 - EPA 3550B										
Blank (B3E0527-BLK1)					Prepared: 05/05/2023 Analyzed: 05/08/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		94.1	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/3SWSW

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3E0527 - EPA 3550B

LCS (B3E0527-BS1)

Prepared: 05/05/2023 Analyzed: 05/08/2023

Diesel (C10-C28)	945	50.0	mg/kg	1000		94.5	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000		102	70-130			
Surrogate: o-Terphenyl	38		"	49.8		77.3	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/3SWSW

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3E0527 - EPA 3550B

Matrix Spike (B3E0527-MS1)		Source: Y305091-01			Prepared: 05/05/2023 Analyzed: 05/08/2023					
Diesel (C10-C28)	919	50.0	mg/kg	1000	ND	91.9	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130			
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3E0527 - EPA 3550B

Matrix Spike Dup (B3E0527-MSD1)		Source: Y305091-01			Prepared: 05/05/2023 Analyzed: 05/08/2023					
Diesel (C10-C28)	985	50.0	mg/kg	1000	ND	98.5	70-130	6.95	35	
Residual Range Organics (C28-C40)	1060	200	"	1000	ND	106	70-130	4.78	35	
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E0542 - EPA 5030 (soil)										
Blank (B3E0542-BLK1)					Prepared: 05/05/2023 Analyzed: 05/05/2023					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E0542 - EPA 5030 (soil)										
LCS (B3E0542-BS1)					Prepared: 05/05/2023 Analyzed: 05/05/2023					
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.109	0.00200	"	0.100		109	70-130			
Benzene	0.0946	0.00200	"	0.100		94.6	70-130			
Ethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Naphthalene	0.0955	0.00380	"	0.100		95.5	70-130			
Toluene	0.0857	0.00200	"	0.100		85.7	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.210	0.00400	"	0.200		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E0542 - EPA 5030 (soil)										
Matrix Spike (B3E0542-MS1)		Source: Y305208-01			Prepared: 05/05/2023 Analyzed: 05/05/2023					
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130			
Benzene	0.0847	0.00200	"	0.100	ND	84.7	70-130			
Ethylbenzene	0.0983	0.00200	"	0.100	ND	98.3	70-130			
Naphthalene	0.0931	0.00380	"	0.100	ND	93.1	70-130			
Toluene	0.0794	0.00200	"	0.100	ND	79.4	70-130			
o-Xylene	0.0978	0.00200	"	0.100	ND	97.8	70-130			
m,p-Xylene	0.196	0.00400	"	0.200	ND	98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E0542 - EPA 5030 (soil)										
Matrix Spike Dup (B3E0542-MSD1)		Source: Y305208-01			Prepared: 05/05/2023 Analyzed: 05/05/2023					
1,2,4-Trimethylbenzene	0.0952	0.00200	mg/kg	0.100	ND	95.2	70-130	5.77	20	
1,3,5-Trimethylbenzene	0.0990	0.00200	"	0.100	ND	99.0	70-130	4.25	20	
Benzene	0.0818	0.00200	"	0.100	ND	81.8	70-130	3.46	20	
Ethylbenzene	0.0939	0.00200	"	0.100	ND	93.9	70-130	4.60	20	
Naphthalene	0.0959	0.00380	"	0.100	ND	95.9	70-130	2.90	20	
Toluene	0.0761	0.00200	"	0.100	ND	76.1	70-130	4.22	20	
o-Xylene	0.0923	0.00200	"	0.100	ND	92.3	70-130	5.83	20	
m,p-Xylene	0.186	0.00400	"	0.200	ND	93.0	70-130	5.34	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.9	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		90.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3E0804 - Saturated Paste Metals

Blank (B3E0804-BLK1)

Prepared: 05/08/2023 Analyzed: 05/10/2023

SAR	0.00		SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U

Duplicate (B3E0804-DUP1)

Source: Y305128-01

Prepared: 05/08/2023 Analyzed: 05/10/2023

Calcium PPM	131	10.0	mg/L		152			14.8	50	
SAR	0.00		SAR		5.28			200	200	U
Magnesium PPM	51.2	10.0	mg/L		59.3			14.7	50	
Sodium PPM	264	10.0	"		303			13.9	50	

Batch B3E0809 - DTPA Sorbitol Preparation

Blank (B3E0809-BLK1)

Prepared: 05/08/2023 Analyzed: 05/09/2023

Boron	ND	0.100	mg/L							U
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Duplicate (B3E0809-DUP1)

Source: Y305172-01

Prepared: 05/08/2023 Analyzed: 05/09/2023

Boron	0.0591	0.0984	mg/L		0.0599			1.39	50	
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Batch B3E1902 - DTPA Sorbitol Preparation

Blank (B3E1902-BLK1)

Prepared: 05/19/2023 Analyzed: 05/22/2023

Boron	ND	0.100	mg/L							U
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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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E1902 - DTPA Sorbitol Preparation										
Duplicate (B3E1902-DUP1)		Source: Y305181-02			Prepared: 05/19/2023 Analyzed: 05/22/2023					
Boron	2.13	0.0997	mg/L		2.15			0.855	50	
Batch B3E2506 - DTPA Sorbitol Preparation										
Blank (B3E2506-BLK1)		Prepared: 05/25/2023 Analyzed: 05/26/2023								
Boron	ND	0.100	mg/L							U
Duplicate (B3E2506-DUP1)		Source: Y305627-01			Prepared: 05/25/2023 Analyzed: 05/26/2023					
Boron	1.82	0.0982	mg/L		1.81			0.428	50	

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: Schneider 1-3, Schneider
62S46W/3SWSW

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E0810 - Saturated Paste pH/EC										
Blank (B3E0810-BLK1)					Prepared: 05/08/2023 Analyzed: 05/09/2023					
Specific Conductance (EC)	0.00200	0.00500	mmhos/cm							
Duplicate (B3E0810-DUP1)					Source: Y305128-01 Prepared: 05/08/2023 Analyzed: 05/09/2023					
pH	7.79		pH Units		7.85			0.767	25	
Specific Conductance (EC)	1.85	0.00500	mmhos/cm		2.08			11.6	25	

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: Schneider 1-3, Schneider
62S46W/3SWSW

Notes and Definitions

U Sample is Non-Detect.

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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Jen Pellegrini, Project Manager

ATTACHMENT B
FIELD NOTES AND PHOTOGRAPHIC
LOG

Wellhead Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure		Partially Buried Vault Closure
Site Name & COGCC Facility Number: Schneider 1-3		Date: 3/9/2023						Remediation Project #: 27407
Associated Wells:		Age of Site:						Number of Photos Attached:
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 38.159891, -102.575001								Estimated Facility Size (acres):
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) Good condition								
USCS Soil Type: MH				Estimated Depth to Groundwater: 220'				
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None encountered								
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None encountered								
Wellhead(s)								
Well API	05-099-06248							
Age								
Condition of surface around wellhead	Good condition							
PID Readings								
Condition of subsurface (staining present)								
PID Readings	3.6	4.3	3.2	2.9	1.7	2.1		
Sample taken? Location/Sample ID#	WH-B0106'	WH-N0105'	WH-S0105'	WH-W0105'	WH-E0105'	WHS-N0103"		
Photo Number(s)								
Other observations regarding wellheads: See attached table for remaining field screenings								
Summary								
Was impacted soil identified? No Yes - less than 10 cubic yards Yes - more than 10 cubic yards								
Total number of samples field screened: 9				Total number of samples collected: 9				
Highest PID Reading: 4.3				Total number of samples submitted to lab for analysis: 1				
If more than 10 cubic yards of impacted soil were observed:								
Vertical extent:				Estimated spill volume:				
Lateral extent:				Volume of soil removed:				
Is additional investigation required?								
Was groundwater encountered during the investigation? No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils								
Measured depth to groundwater:				Was remedial groundwater removal conducted? Yes No				
Date Groundwater was encountered:				Commencement date of removal:				
Sheen on groundwater? Yes No				Volume of groundwater removed prior to sampling:				
Free product observed? Yes No				Volume of groundwater removed post sampling:				
Total number of samples collected:				Total Volume of groundwater removed:				
Total number of samples submitted to lab for analysis:								

Flowline Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional Attachments:		Tank Battery Closure		Wellhead Closure		Pit Closure		Partially Buried Vault Closure
Site Name & COGCC Facility Number: 314195		Date: 3/9/2023						Remediation Project #: 27407
Associated Wells: Schneider 1-3		Age of Site:						Number of Photos Attached:
Starting point: (GPS coordinates and descriptions) 38.159891, -102.575001								
End point: (GPS coordinates and descriptions) 38.159888, -102.575181								
USCS Soil Type: Mlt					Estimated Depth to Groundwater: <20'			
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None encountered								
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None encountered								
Flowlines								
Flowline type								
Depth								
Age								
Length	~40'							
Construction Material								
Were flowlines pulled?								
Visual Integrity of lines								
Visual impacts if trenched								
PID Readings if trenched	2.7	2.9						
Sample taken? Location/Sample ID#	FL-B01E4'	FL-B02E4'						
Photo Number(s)								
Other observations regarding on location flowlines:								
Summary								
Was impacted soil identified? <input checked="" type="radio"/> No Yes - less than 10 cubic yards Yes - more than 10 cubic yards								
Total number of samples field screened: 2					Total number of samples collected: 2			
Highest PID Reading: 2.9					Total number of samples submitted to lab for analysis: 1			
If more than 10 cubic yards of impacted soil were observed:								
Vertical extent:					Estimated spill volume:			
Lateral extent:					Volume of soil removed:			
Is additional investigation required?								
Was groundwater encountered during the investigation? <input checked="" type="radio"/> No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils								
Measured depth to groundwater:					Was remedial groundwater removal conducted? Yes No			
Date Groundwater was encountered:					Commencement date of removal:			
Sheen on groundwater? Yes No					Volume of groundwater removed prior to sampling:			
Free product observed? Yes No					Volume of groundwater removed post sampling:			
Total number of samples collected:					Total Volume of groundwater removed:			
Total number of samples submitted to lab for analysis:								

Tank Battery Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional attachments (optional):		Pit Closure		Wellhead Closure		Flowline Closure		Partially Buried Vault Closure
Site Name & COGCC Facility Number: 314195		Date: 3/9/2023						Remediation Project #: 27407
Associated Wells: Scheider 1-3		Age of Site:						Number of Photos Attached:
Location: (GPS coordinates of southeaster berm) 38.159856, -102.575358							Estimated Facility Size (acres):	
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) Good condition								

USCS Soil Type: MH	Estimated Depth to Groundwater: 220'
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None encountered	
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None encountered	

Tanks							
Tank Contents	Aboveground Storage Tank						
Size (barrels)							
Age							
Construction							
Tank type							
Visual Integrity							
Condition of tank							
PID Readings							
Soil impacts present at valves or hatches?							
PID Readings	2.4	2.9					
Sample taken? Location/ Sample ID#	SWT-B01 e3"	SWT-B02 e3"					
Photo Number(s)							

Other observations regarding tanks:

Separators							
Separator size							
Vertical or Horizontal							
Age							
Soil impacts							
PID Readings	1.1	3.0	1.8				
Sample taken? Location/ Sample ID#	SEP-B01 e3"	SEP-B02 e3"	SEP-B02 e6"				
Photo Number(s)							

Other observations regarding separators

Third Party Equipment							
Type							
Age							

Third Party									
Removal Date									
Sample taken?									
PID Readings									
Photo Number(s)									

Other Facility Equipment

Equipment type	Mixer Run				
Equipment Condition					
Age					
Soil impacts					
PID Readings	3.1				
Sample taken?	ME-B01C3"				
Photo Number(s)					

Other observations regarding other facility or third party equipment:

Summary

Was impacted soil identified?	
(No)	Yes - less than 10 cubic yards Yes - more than 10 cubic yards
Total number of samples field screened: 6	Total number of samples collected: 6
Highest PID Reading: 3.1	Total number of samples submitted to lab for analysis: 4
If more than 10 cubic yards of impacted soil were observed:	
Vertical extent:	Estimated spill volume:
Lateral extent:	Volume of soil removed:
Is additional investigation required?	
Was groundwater encountered during the investigation?	
(No)	Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils
Measured depth to groundwater:	Was remedial groundwater removal conducted? Yes No
Date Groundwater was encountered:	Commencement date of removal:
Seen on groundwater? Yes No	Volume of groundwater removed prior to sampling:
Free product observed? Yes No	Volume of groundwater removed post sampling:
Total number of samples collected:	Total Volume of groundwater removed:
Total number of samples submitted to lab for analysis:	

Schneider 1-3, Schneider 62S46W 3SWSW

Photographic Log Remediation #27407

Wellhead, Flowline, and Tank Battery Decommissioning



Tank Battery



Tank battery sample locations looking west.



Tank battery soil sample locations looking north.

Wellhead



Wellhead sample locations looking west.



Wellhead sample locations looking east.

Wellhead



Wellhead sample locations looking west.



Wellhead sample locations looking east.

Background



Background sample locations looking east.



Background sample locations looking north.

Background



Wellhead background sample location looking west.