

Flowline Closure Checklist

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

Additional Attachments:		Tank Battery Closure		Wellhead Closure		Pit Closure	<u> </u>	Partially Buried Vault Closure	
Site Name & COGCC Facility Number: Schmidt #25-7 F		Date: 10/19/23 - 10/23/23				Remediation Project #: 28520			
Associated Wells: 05-123-14943		Age of Site: Years				Number of Photos Attached: 16			

Starting point: (GPS coordinates and descriptions) 40.285269 / -104.722950 (at wellhead)

End point: (GPS coordinates and descriptions) 40.290009 / -104.722900 (at separator)

USCS Soil Type: SC Estimated Depth to Groundwater: Approx 4-5'

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
Hydrocarbon odor and staining observed

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
None observed.

Flowlines

Flowline type	O, G, W							
Depth	Approx 4-5'							
Age	Years							
Length	Approx 1727'							
Construction Material	Steel							
Were flowlines pulled?	Yes							
Visual Integrity of lines	Good - Per integrity test.							
Visual impacts if trenched	Odor and staining observed							
PID Readings if trenched	2.2 - 2,883.4							
Sample taken? Location/Sample ID#	FL-SS-01 - FL-SS-16							
Photo Number(s)	See photolog							

Other observations regarding on location flowlines:
Flowline removed following assessment.

Summary

Was impacted soil identified?	No	Yes - less than 10 cubic yards	Yes - more than 10 cubic yards
Total number of samples field screened:	16	Total number of samples collected:	16
Highest PID Reading:	2,883.4	Total number of samples submitted to lab for analysis:	4
If more than 10 cubic yards of impacted soil were observed:			
Vertical extent:	N/A		Estimated spill volume:
Lateral extent:	N/A		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:	Approx. 4'	Was remedial groundwater removal conducted?	Yes No
Date Groundwater was encountered:	10/16/23 - 10/23/23	Commencement date of removal:	N/A
Sheen on groundwater?	Yes No	Volume of groundwater removed pre sampling:	N/A
Free product observed?	Yes No	Volume of groundwater removed post sampling:	N/A
Total number of samples collected:	8	Total Volume of groundwater removed:	N/A
Total number of samples submitted to lab for analysis:	8		



FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

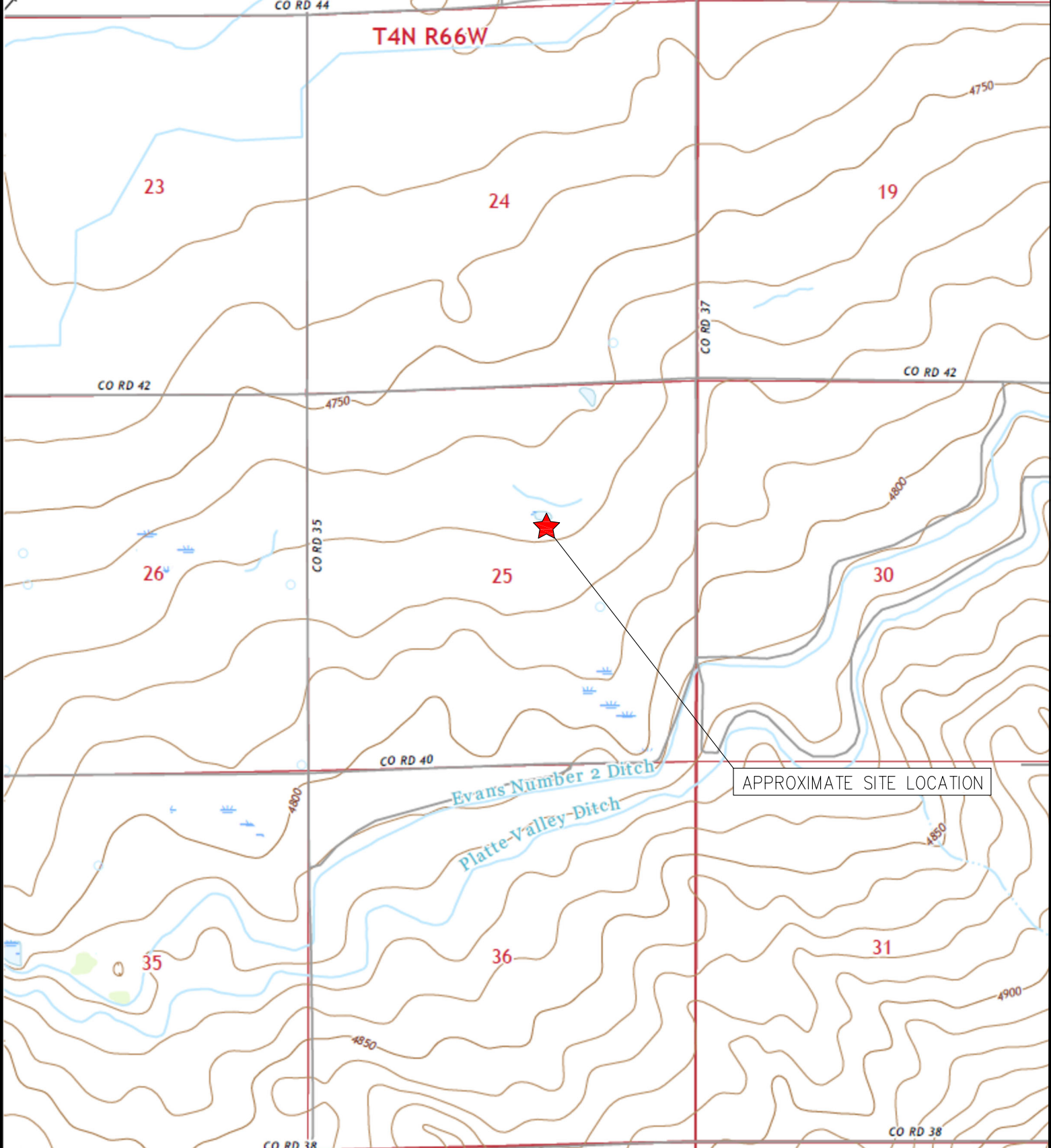
Figure 3: Soil Sample Location Map

Figure 4: Soil Analytical Map

Figure 5: Polycyclic Aromatic Hydrocarbons (PAH) Map

Figure 6: Metals in Soil Map

Figure 7: Grab Groundwater Analytical Map



TOPOGRAPHIC SITE LOCATION MAP
 SCHMIDT #25-7 F
 CLOSURE ASSESSMENT
 40.285271 / -104.722959
 SW¼ NE¼ SEC.25 T4N R66W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14943
 REMEDIATION # 28520



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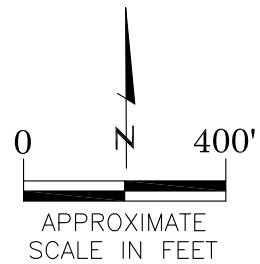
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP,
 LA SALLE, CO QUADRANGLE 2022

FIGURE NO. 1



LEGEND

- SCHMIDT #25-7 F WELLHEAD
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE FLOWLINE SAMPLE LOCATIONS - LAB SUBMITTED
- APPROXIMATE FLOWLINE SAMPLE LOCATIONS - FIELD SCREENED



AERIAL SITE LOCATION MAP
 SCHMIDT #25-7 F
 CLOSURE ASSESSMENT
 40.285271 / -104.722959
 SW¼ NE¼ SEC.25 T4N R66W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14943
 REMEDIATION # 28520

FIGURE NO.
2

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LEGEND

- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS



SOIL SAMPLE LOCATION MAP
SCHMIDT #25-7 F
CLOSURE ASSESSMENT
40.285271 / -104.722959
SW¼ NE¼ SEC.25 T4N R66W 6PM
WELD COUNTY, COLORADO
API # 05-123-14943
REMEDATION # 28520




FIGURE NO.
3

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LEGEND

-  APPROXIMATE FLOWLINE LOCATION (REMOVED)
-  APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
-  APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION	
DATE	
DEPTH (FEET)	
B	= BENZENE (mg/kg)
T	= TOLUENE (mg/kg)
E	= ETHYLBENZENE (mg/kg)
X	= TOTAL XYLENES (mg/kg)
N	= NAPHTHALENE (mg/kg)
G	= TPH-GRO (mg/kg)
D	= TPH-DRO (mg/kg)
R	= TPH-RRO (mg/kg)
1,2,4-TMB	= 1,2,4 TRIMETHYLBENZENE (mg/kg)
1,3,5-TMB	= 1,3,5 TRIMETHYLBENZENE (mg/kg)
Brn	= BORON (mg/L)
EC	= SPECIFIC CONDUCTANCE (mmhos/cm)
SAR	= SODIUM ADSORPTION RATIO
pH	= pH (pH UNITS)

mg/kg = MILLIGRAMS PER KILOGRAM
 mg/L = MILLIGRAMS PER LITER
 mmhos/cm = MILLIHOS PER CENTIMETER

TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
 TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS
 TPH-RRO = TOTAL PETROLEUM HYDROCARBONS - RESIDUAL RANGE ORGANICS

NOTES:
 VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS.

VALUES PRESENTED WITH ASTERISK (*) EXCEED ECMC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS, ONLY.

NA - NOT ANALYZED

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

SOIL ANALYTICAL MAP
 SCHMIDT #25-7 F
 CLOSURE ASSESSMENT
 40.285271 / -104.722959
 SW¼ NE¼ SEC.25 T4N R66W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14943
 REMEDIATION # 28520

FIGURE NO.
4
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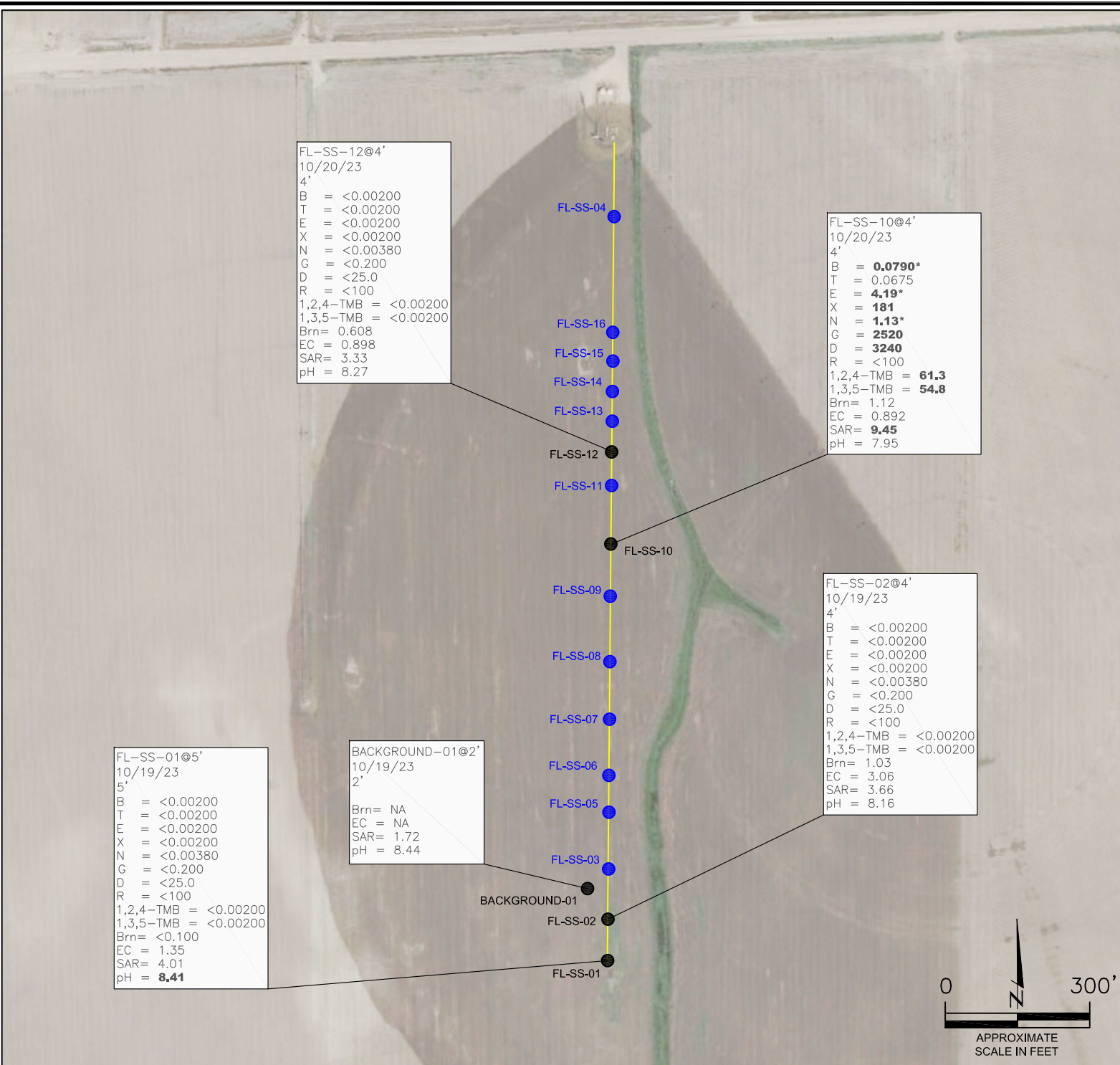
FL-SS-12@4'
 10/20/23
 4'
 B = <0.00200
 T = <0.00200
 E = <0.00200
 X = <0.00200
 N = <0.00380
 G = <0.200
 D = <25.0
 R = <100
 1,2,4-TMB = <0.00200
 1,3,5-TMB = <0.00200
 Brn= 0.608
 EC = 0.898
 SAR= 3.33
 pH = 8.27

FL-SS-10@4'
 10/20/23
 4'
 B = **0.0790***
 T = 0.0675
 E = **4.19***
 X = **181**
 N = **1.13***
 G = **2520**
 D = **3240**
 R = <100
 1,2,4-TMB = **61.3**
 1,3,5-TMB = **54.8**
 Brn= 1.12
 EC = 0.892
 SAR= **9.45**
 pH = 7.95




FL-SS-02@4'
 10/19/23
 4'
 B = <0.00200
 T = <0.00200
 E = <0.00200
 X = <0.00200
 N = <0.00380
 G = <0.200
 D = <25.0
 R = <100
 1,2,4-TMB = <0.00200
 1,3,5-TMB = <0.00200
 Brn= 1.03
 EC = 3.06
 SAR= 3.66
 pH = 8.16

BACKGROUND-01@2'
 10/19/23
 2'
 Brn= NA
 EC = NA
 SAR= 1.72
 pH = 8.44

FL-SS-01@5'
 10/19/23
 5'
 B = <0.00200
 T = <0.00200
 E = <0.00200
 X = <0.00200
 N = <0.00380
 G = <0.200
 D = <25.0
 R = <100
 1,2,4-TMB = <0.00200
 1,3,5-TMB = <0.00200
 Brn= <0.100
 EC = 1.35
 SAR= 4.01
 pH = **8.41**



LEGEND

-  APPROXIMATE FLOWLINE LOCATION (REMOVED)
-  APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
-  APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

NOTES:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS

VALUES PRESENTED WITH AN ASTERISK (*) EXCEED ECMC TABLE 915-1 GROUNDWATER SOIL SCREENING LEVELS, ONLY.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

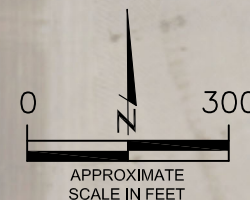
POLYCYCLIC AROMATIC HYDROCARBONS MAP
SCHMIDT #25-7 F
CLOSURE ASSESSMENT
40.285271 / -104.722959
SW¼ NE¼ SEC.25 T4N R66W 6PM
WELD COUNTY, COLORADO
API # 05-123-14943
REMEDATION # 28520

FIGURE NO.
5

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FL-SS-12@4'
10/20/23
4'

1-Methylnaphthalene = <0.002
2-Methylnaphthalene = <0.002
Acenaphthene = <0.020
Anthracene = <0.020
Benzo(a)anthracene = <0.005
Benzo(a)pyrene = <0.020
Benzo(b)fluoranthene = <0.020
Benzo(k)fluoranthene = <0.020
Chrysene = <0.020
Dibenzo(a,h)anthracene = <0.020
Fluoranthene = <0.020
Fluorene = <0.020
Indeno(1,2,3-CD)pyrene = <0.020
Pyrene = <0.020

FL-SS-10@4'
10/20/23
4'

1-Methylnaphthalene = **2.19***
2-Methylnaphthalene = **6.09***
Acenaphthene = 0.239
Anthracene = 0.405
Benzo(a)anthracene = 0.010
Benzo(a)pyrene = <0.020
Benzo(b)fluoranthene = <0.020
Benzo(k)fluoranthene = <0.020
Chrysene = <0.020
Dibenzo(a,h)anthracene = <0.020
Fluoranthene = <0.020
Fluorene = 0.200
Indeno(1,2,3-CD)pyrene = <0.020
Pyrene = <0.020

FL-SS-02@4'
10/19/23
4'




1-Methylnaphthalene = <0.002
2-Methylnaphthalene = <0.002
Acenaphthene = <0.020
Anthracene = <0.020
Benzo(a)anthracene = <0.005
Benzo(a)pyrene = <0.020
Benzo(b)fluoranthene = <0.020
Benzo(k)fluoranthene = <0.020
Chrysene = <0.020
Dibenzo(a,h)anthracene = <0.020
Fluoranthene = <0.020
Fluorene = <0.020
Indeno(1,2,3-CD)pyrene = <0.020
Pyrene = <0.020

FL-SS-01@5'
10/19/23
5'

1-Methylnaphthalene = <0.002
2-Methylnaphthalene = <0.002
Acenaphthene = <0.020
Anthracene = <0.020
Benzo(a)anthracene = <0.005
Benzo(a)pyrene = <0.020
Benzo(b)fluoranthene = <0.020
Benzo(k)fluoranthene = <0.020
Chrysene = <0.020
Dibenzo(a,h)anthracene = <0.020
Fluoranthene = <0.020
Fluorene = <0.020
Indeno(1,2,3-CD)pyrene = <0.020
Pyrene = <0.020

- FL-SS-04
- FL-SS-16
- FL-SS-15
- FL-SS-14
- FL-SS-13
- FL-SS-12
- FL-SS-11
- FL-SS-10
- FL-SS-09
- FL-SS-08
- FL-SS-07
- FL-SS-06
- FL-SS-05
- FL-SS-03
- FL-SS-02
- FL-SS-01

LEGEND

-  APPROXIMATE FLOWLINE LOCATION (REMOVED)
-  APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
-  APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION	DATE SAMPLE COLLECTED	APPROXIMATE DEPTH
Arsenic = (mg/kg)		
Barium = (mg/kg)		
Cadmium = (mg/kg)		
Chromium (VI) = (mg/kg)		
Copper = (mg/kg)		
Lead = (mg/kg)		
Nickel = (mg/kg)		
Selenium = (mg/kg)		
Silver = (mg/kg)		
Zinc = (mg/kg)		

mg/kg = MILLIGRAMS PER KILOGRAM

NA – NOT ANALYZED

(NS) – NOT SAMPLED

NOTES:

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT/OR ABOVE LABORATORY REPORTING LIMITS AND/OR MINIMUM DETECTION LIMITS.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS.

****ACHIEVABLE PRACTICAL QUANTITATIVE LIMITS FOR HEXAVALENT CHROMIUM (Cr VI) IN SOILS IS IN THE RANGE OF 0.1 TO 1 mg/kg.**

ELEVATED METALS ARE NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVELS ARE 1.25*BACKGROUND WHERE APPLICABLE.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

METALS IN SOIL MAP
 SCHMIDT #25-7 F
 CLOSURE ASSESSMENT
 40.285271 / -104.722959
 SW¼ NE¼ SEC.25 T4N R66W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14943
 REMEDIATION # 28520

FIGURE NO.
6

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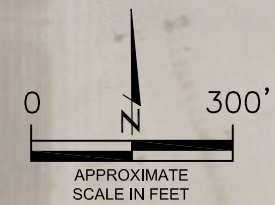
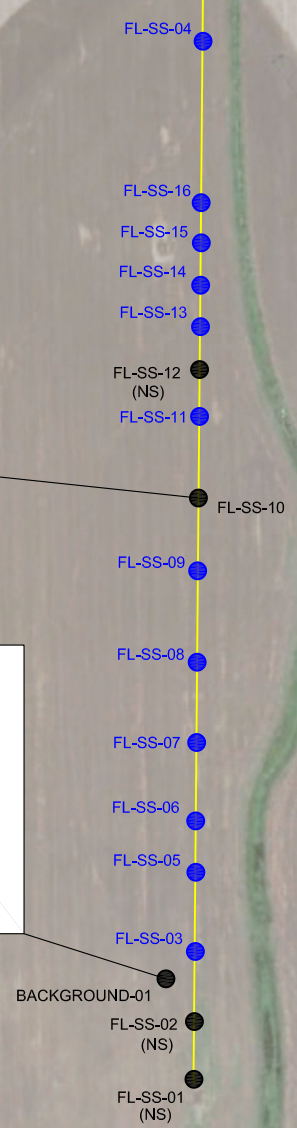
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FL-SS-10@4'
 10/20/23
 4'



Arsenic = **2.59**
 Barium = 59.7
 Cadmium = 0.255
 Chromium (VI) = <0.118**
 Copper = <9.20
 Lead = 11.1
 Nickel = <9.20
 Selenium = 0.105
 Silver = 0.116
 Zinc = <92.0

BACKGROUND-01@2'
 10/19/23
 2'

Arsenic = 1.89
 Barium = 51.3
 Cadmium = 0.146
 Chromium (VI) = NA
 Copper = <9.04
 Lead = <9.04
 Nickel = <9.04
 Selenium = 0.108
 Silver = <0.0904
 Zinc = <90.4



LEGEND

-  APPROXIMATE FLOWLINE LOCATION (REMOVED)
-  APPROXIMATE LOCATION OF GRAB GROUNDWATER SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

GROUNDWATER SAMPLE LOCATION	
DATE	
B	= BENZENE (µg/L)
T	= TOLUENE (µg/L)
E	= ETHYLBENZENE (µg/L)
X	= TOTAL XYLENES (µg/L)
N	= NAPHTHALENE (µg/L)
1,2,4-TMB	= 1,2,4-TRIMETHYLBENZENE (µg/L)
1,3,5-TMB	= 1,3,5-TRIMETHYLBENZENE (µg/L)

µg/L = MICROGRAMS PER LITER

NOTES:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE THE LABORATORY REPORTING LIMIT.

VALUES PRESENTED IN **BOLD** EXCEED THE ECMC TABLE 915-1 REGULATORY LIMITS.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION



GRAB GROUNDWATER ANALYTICAL MAP
SCHMIDT #25-7 F
CLOSURE ASSESSMENT
40.285271 / -104.722959
SW¼ NE¼ SEC.25 T4N R66W 6PM
WELD COUNTY, COLORADO
API # 05-123-14943
REMEDATION # 28520

FIGURE NO.
7

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ATTACHMENT A

Photo Log

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
SCHMIDT #25-7 F
CLOSURE ASSESSMENT
40.285271 / -104.722959
SW¼ NE¼ SEC.25 T4N R66W 6PM
WELD COUNTY, COLORADO
API # 05-123-14943
REMIEDIATION # 28520

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
FL-SS-01 @ 5' (40.285311 / -104.722985)	10/19/23	5	4.3	Y
FL-SS-02 @ 4' (40.285453 / -104.722992)	10/19/23	4	24.5	Y
FL-SS-03 @ 4' (40.285995 / -104.722981)	10/19/23	4	2.6	N
FL-SS-04 @ 4' (40.289430 / -104.722954)	10/19/23	4	3.2	N
FL-SS-05 @ 4' (40.286205 / -104.722970)	10/20/23	4	2.2	N
FL-SS-06 @ 4' (40.286433 / -104.722979)	10/20/23	4	5.5	N
FL-SS-07 @ 4' (40.286781 / -104.722957)	10/20/23	4	7.0	N
FL-SS-08 @ 4' (40.287098 / -104.722960)	10/20/23	4	3.8	N
FL-SS-09 @ 4' (40.287447 / -104.722949)	10/20/23	4	3.8	N
FL-SS-10 @ 4' (40.287661 / -104.722893)	10/20/23	4	2883.4	Y
FL-SS-11 @ 4' (40.288015 / -104.722944)	10/20/23	4	12.5	N
FL-SS-12 @ 4' (40.288148 / -104.722939)	10/20/23	4	7.1	Y
FL-SS-13 @ 4' (40.288358 / -104.722968)	10/23/23	4	7.1	N
FL-SS-14 @ 4' (40.288528 / -104.722965)	10/23/23	4	7.1	N
FL-SS-15 @ 4' (40.288707 / -104.722954)	10/23/23	4	7.1	N
FL-SS-16 @ 4' (40.288851 / -104.722957)	10/23/23	4	7.1	N
Background-01 @ 2' (40.285684 / -104.723095)	10/19/23	2	2.3	Y

(Y/N) = Yes or No
ppm-v = parts per million by volume
PID = Photoionization Detector



TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
SCHMIDT #25-7 F
CLOSURE ASSESSMENT
40.285271 / -104.722959
SW¼ NE¼ SEC.25 T4N R66W 6PM
WELD COUNTY, COLORADO
API # 05-123-14943
REMEDATION # 28520

Sample Location		FL-SS-01 @ 5'	FL-SS-02 @ 4'	FL-SS-10 @ 4'	FL-SS-12 @ 4'	Background -01 @ 2'			
(Latitude / Longitude)		(40.285311 / -104.722985)	(40.285453 / -104.722992)	(40.287661 / -104.722893)	(40.288148 / -104.722939)	(40.285684 / -104.723095)			
Sample Date		10/19/2023	10/19/2023	10/20/2023	10/20/2023	10/19/2023			
Sample Depth		5	4	4	4	2			
PID Reading (ppm-v)		4.3	24.5	2883.4	7.1	2.3			
Regulatory Limits									
Chemical of Concern	Units	ECMC Table 915-1 RSSLs	ECMC Table 915-1 GSSLs	Local Clean-Up Level					
VOCs									
Benzene	mg/kg	1.2	0.0026	--	<0.00200	<0.00200	0.0790*	<0.00200	NA
Toluene	mg/kg	490	0.69	--	<0.00200	<0.00200	0.0675	<0.00200	NA
Ethylbenzene	mg/kg	5.8	0.78	--	<0.00200	<0.00200	4.19*	<0.00200	NA
Total Xylenes	mg/kg	58	9.9	--	<0.00200	<0.00200	181	<0.00200	NA
Naphthalene	mg/kg	2	0.0038	--	<0.00380	<0.00380	1.13*	<0.00380	NA
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	--	<0.00200	<0.00200	61.3	<0.00200	NA
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	--	<0.00200	<0.00200	54.8	<0.00200	NA
TOTAL PETROLEUM HYDROCARBONS									
TPH-GRO	mg/kg	500	--	--	<0.200	<0.200	2520	<0.200	NA
TPH-DRO	mg/kg	500	--	--	<25.0	<25.0	3240	<25.0	NA
TPH-RR0	mg/kg	500	--	--	<100	<100	<100	<100	NA
POLYCYCLIC AROMATIC HYDROCARBONS									
1-Methyl-naphthalene	mg/kg	18	0.006	--	<0.002	<0.002	2.19*	<0.002	NA
2-Methyl-naphthalene	mg/kg	24	0.019	--	<0.002	<0.002	6.09*	<0.002	NA
Acenaphthene	mg/kg	360	0.55	--	<0.020	<0.020	0.239	<0.020	NA
Anthracene	mg/kg	1800	5.8	--	<0.020	<0.020	0.405	<0.020	NA
Benzo(a)-anthracene	mg/kg	1.1	0.011	--	<0.005	<0.005	0.010	<0.005	NA
Benzo(a)-pyrene	mg/kg	0.11	0.24	--	<0.020	<0.020	<0.020	<0.020	NA
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	--	<0.020	<0.020	<0.020	<0.020	NA
Benzo(k)-fluoranthene	mg/kg	11	2.9	--	<0.020	<0.020	<0.020	<0.020	NA
Chrysene	mg/kg	110	9	--	<0.020	<0.020	<0.020	<0.020	NA
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	--	<0.020	<0.020	<0.020	<0.020	NA
Fluoranthene	mg/kg	240	8.9	--	<0.020	<0.020	<0.020	<0.020	NA
Fluorene	mg/kg	240	0.54	--	<0.020	<0.020	0.200	<0.020	NA
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	--	<0.020	<0.020	<0.020	<0.020	NA
Pyrene	mg/kg	180	1.3	--	<0.020	<0.020	<0.020	<0.020	NA
SOIL SUITABILITY (Inorganics)									
Boron	mg/L	2	--	--	<0.100	1.03	1.12	0.608	NA
pH	standard unit	6-8.3	--	--	8.41	8.16	7.95	8.27	8.44
Sodium Adsorption Ratio (SAR)	--	<6	--	--	4.01	3.66	9.45	3.33	1.72
Specific Conductance (EC)	mmhos/cm	<4	--	--	1.35	3.06	0.892	0.898	NA
METALS									
Arsenic	mg/kg	0.68	0.29	2.36	NA	NA	2.59	NA	1.89
Barium	mg/kg	15000	82	--	NA	NA	59.7	NA	51.3
Cadmium	mg/kg	71	0.38	--	NA	NA	0.255	NA	0.146
Copper	mg/kg	3100	46	--	NA	NA	<9.20	NA	<9.04
Lead	mg/kg	400	14	--	NA	NA	11.1	NA	<9.04
Nickel	mg/kg	1500	26	--	NA	NA	<9.20	NA	<9.04
Selenium	mg/kg	390	0.26	--	NA	NA	0.105	NA	0.108
Silver	mg/kg	390	0.8	--	NA	NA	0.116	NA	<0.0904
Zinc	mg/kg	23000	370	--	NA	NA	<92.0	NA	<90.4
Hexavalent Chromium	mg/kg	0.3**	0.00067**	0.1 to 1.0**	NA	NA	<0.118**	NA	NA
ECMC = Energy & Carbon Management Commission									
mg/kg = milligrams per kilogram		NA - Not Analyzed		VOCs - Volatile Organic Compounds					
mmhos/cm = millimhos per centimeter		RSSLs = Residential Soil Screening Levels							
PID = Photoionization Detector		GSSLs = Protection of Groundwater Soil Screening Levels							
ppm-v = parts per million by volume		TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics							
mg/L = milligrams per liter		TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics							
SAR = Sodium Adsorption Ratio		TPH-RR0 = Total Petroleum Hydrocarbons - Residual Range Organics							
Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit and/or minimum detection limit									
Values presented in BOLD exceed ECMC Table 915-1 Regulatory Limits. Values presented with asterisk (*) exceed ECMC Table 915-1 GSSLs, only.									
**Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1 mg/kg.									
Elevated metals are naturally occurring in Colorado. The Local Clean-up Levels are 1.25*Background where applicable.									

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
SCHMIDT #25-7 F
CLOSURE ASSESSMENT
40.285271 / -104.722959
SW¼ NE¼ SEC.25 T4N R66W 6PM
WELD COUNTY, COLORADO
API # 05-123-14943
REMEDIATION # 28520

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethylbenzene (µg/L)	1,3,5 - Trimethylbenzene (µg/L)
ECMC Table 915-1 Regulatory Limits (µg/L)		5	560	700	1400	140	67	67
FL-GW-01 (40.285311 / -104.722985)	10/19/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
FL-GW-02 (40.285453 / -104.722992)	10/19/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
FL-GW-03 (40.285995 / -104.722981)	10/19/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
FL-GW-04 (40.286205 / -104.722970)	10/20/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
FL-GW-05 (40.288358 / -104.722968)	10/23/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
FL-GW-06 (40.288528 / -104.722965)	10/23/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
FL-GW-07 (40.288707 / -104.722954)	10/23/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
FL-GW-08 (40.288851 / -104.722957)	10/23/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00

NOTES:

ECMC = Energy & Carbon Management Commission

µg/L = micrograms per liter

Values presented with a less than symbol (<) indicate concentrations were not observed at or above the laboratory reporting limit.

Values presented in **BOLD** exceed ECMC Table 915-1 Regulatory Limits.



Schmidt #25-7F
API # 05-123-14943
Remediation # 28520

Closure Assessment

October 2023



Flowline Removal Assessment – 10/19/23



Looking south at flowline terminus/Pt. A

Strong hydrocarbon odor and black staining observed in soil; no petroleum hydrocarbon odor or sheen observed in groundwater – Soil and groundwater samples submitted for analysis



Looking north at bell hole/cut points for removal

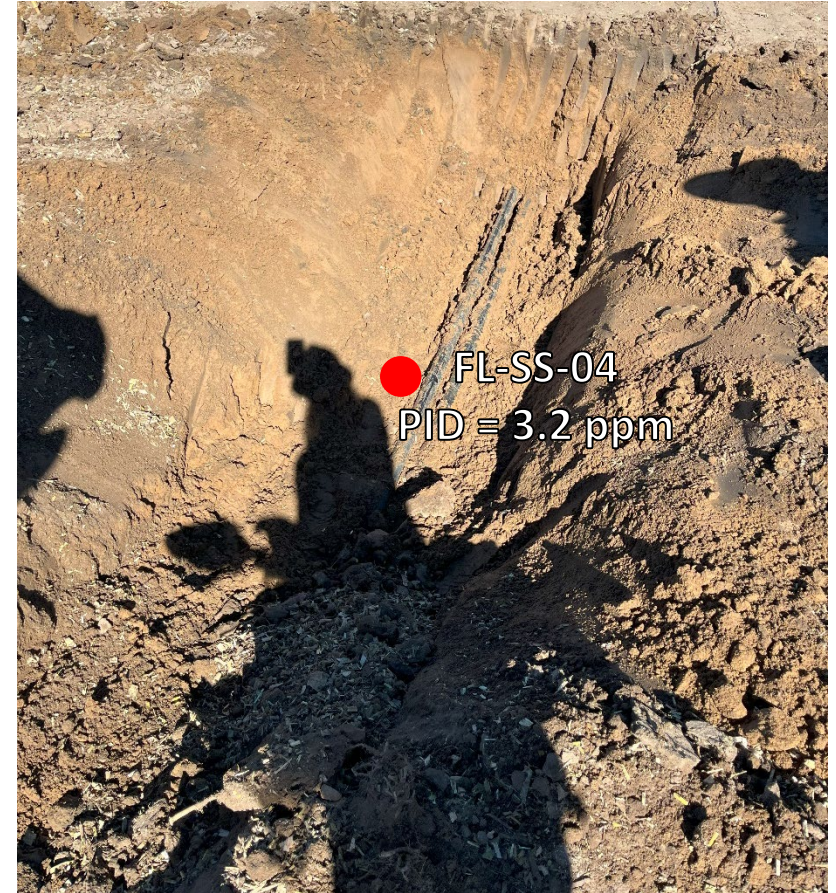
Petroleum hydrocarbon odor and black staining observed in soil; no petroleum hydrocarbon odor or sheen observed in groundwater – Soil and groundwater samples submitted for analysis

Flowline Removal Assessment – 10/19/23



Looking north at bell hole/cut point for removal

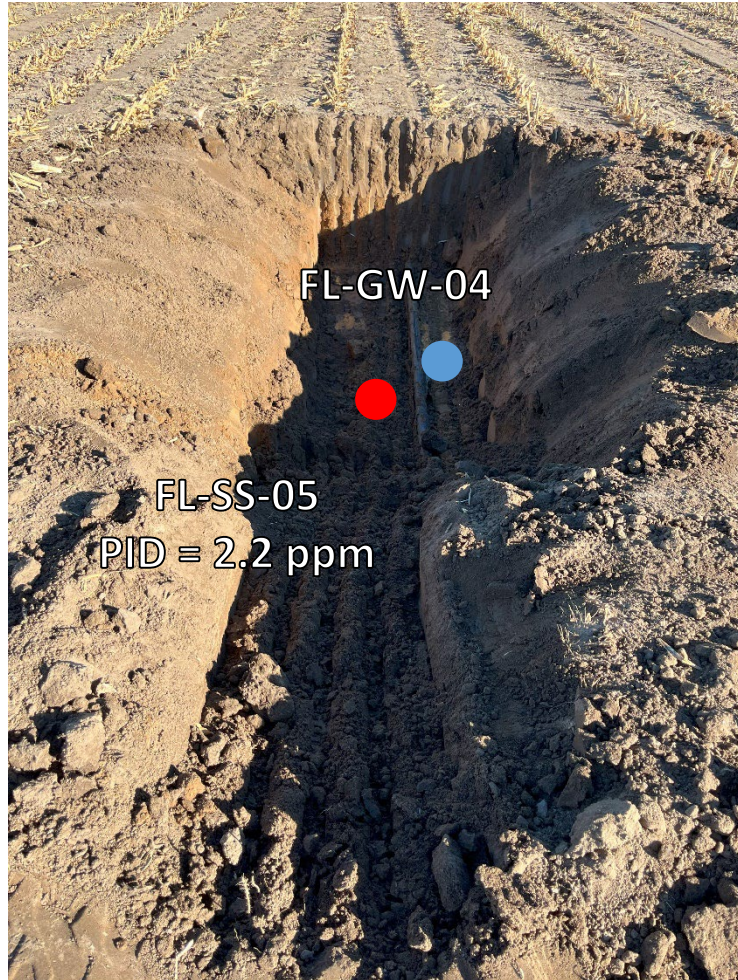
No petroleum hydrocarbon staining or odor observed –
Groundwater sample, only, submitted for analysis



Looking north at bell hole/cut point for removal

No petroleum hydrocarbon staining or odor observed.
No sample submitted for analysis

Flowline Removal/Assessment – 10/20/23



Looking north at bell hole/cut point for removal

No petroleum hydrocarbon staining or odor observed –
Groundwater sample, only, submitted for analysis



Looking north at bell hole/cut point for removal

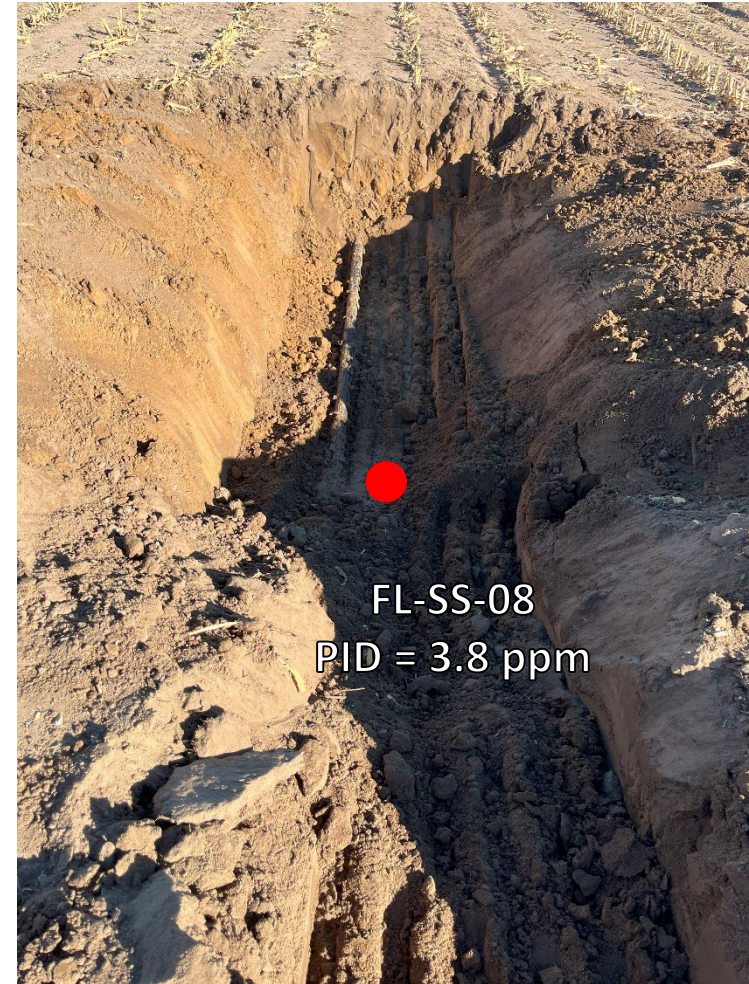
No petroleum hydrocarbon staining or odor observed.
No sample submitted for analysis

Flowline Removal/Assessment – 10/20/23



Looking north at bell hole/cut point for removal

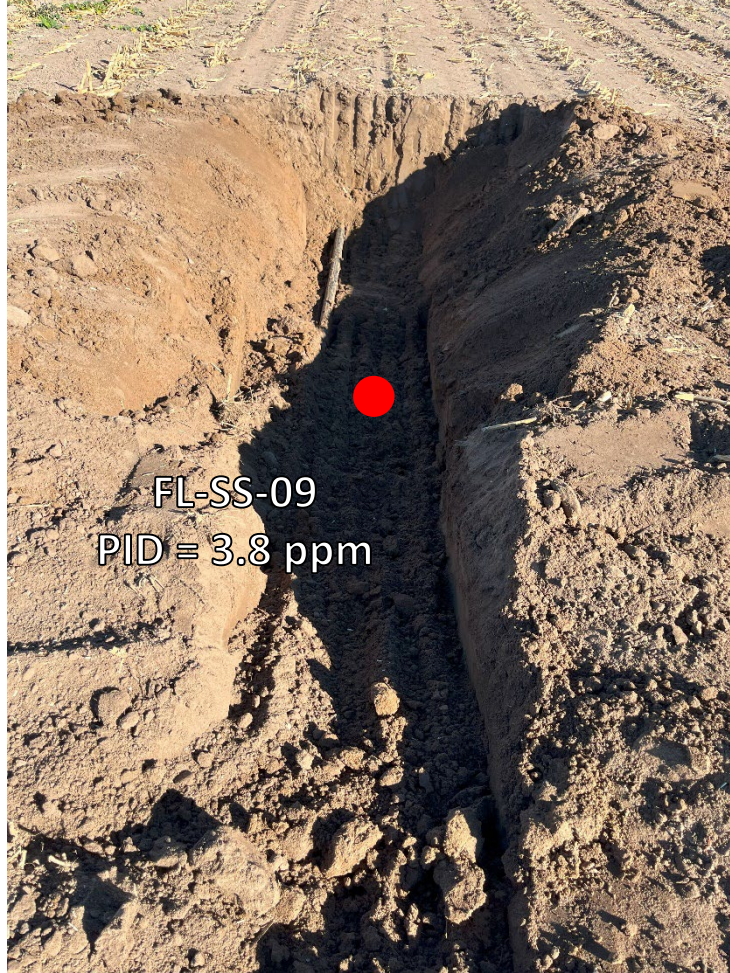
No petroleum hydrocarbon staining or odor observed.
No sample submitted for analysis



Looking north at bell hole/cut point for removal

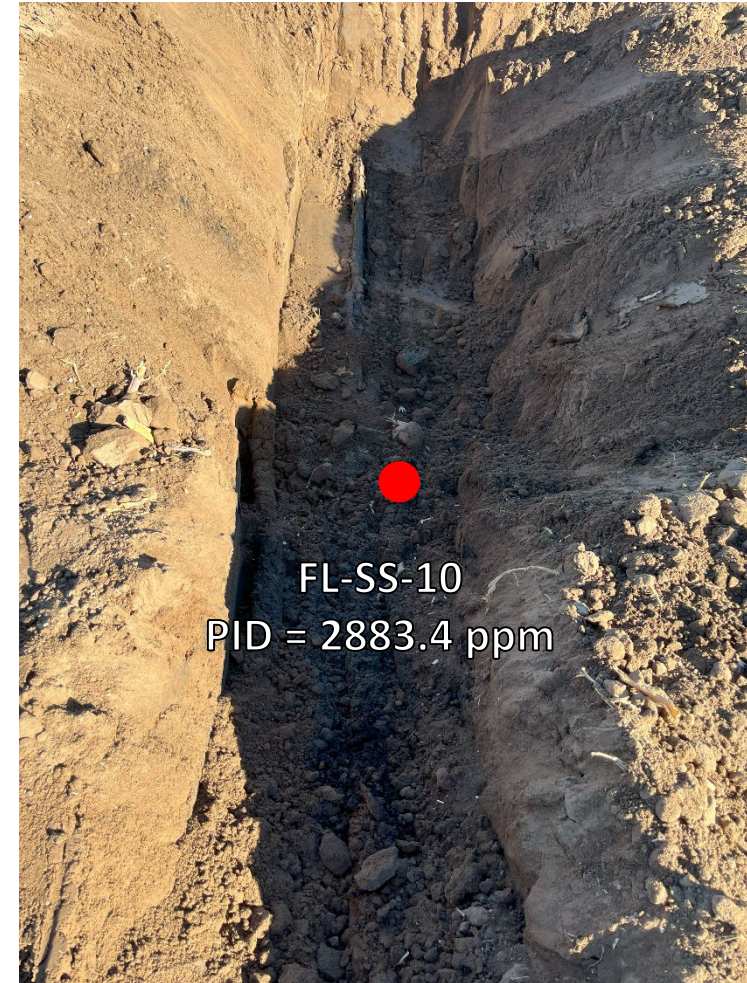
No petroleum hydrocarbon staining or odor observed.
No sample submitted for analysis

Flowline Removal/Assessment – 10/20/23



Looking north at bell hole/cut point for removal

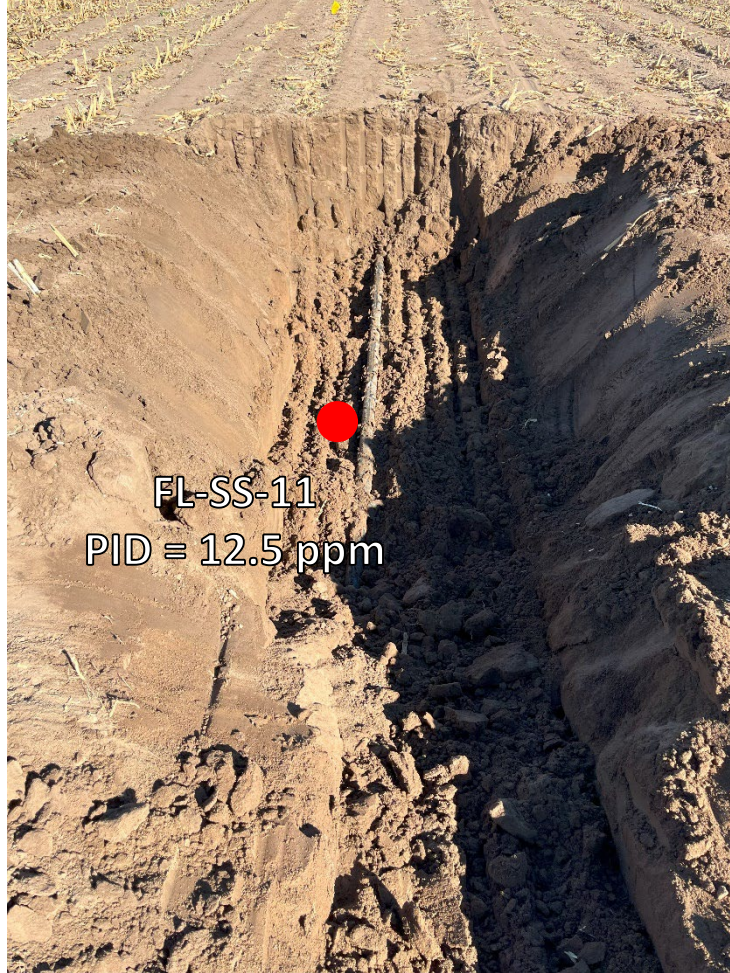
No petroleum hydrocarbon staining or odor observed.
No sample submitted for analysis



Looking north at bell hole/cut point for removal

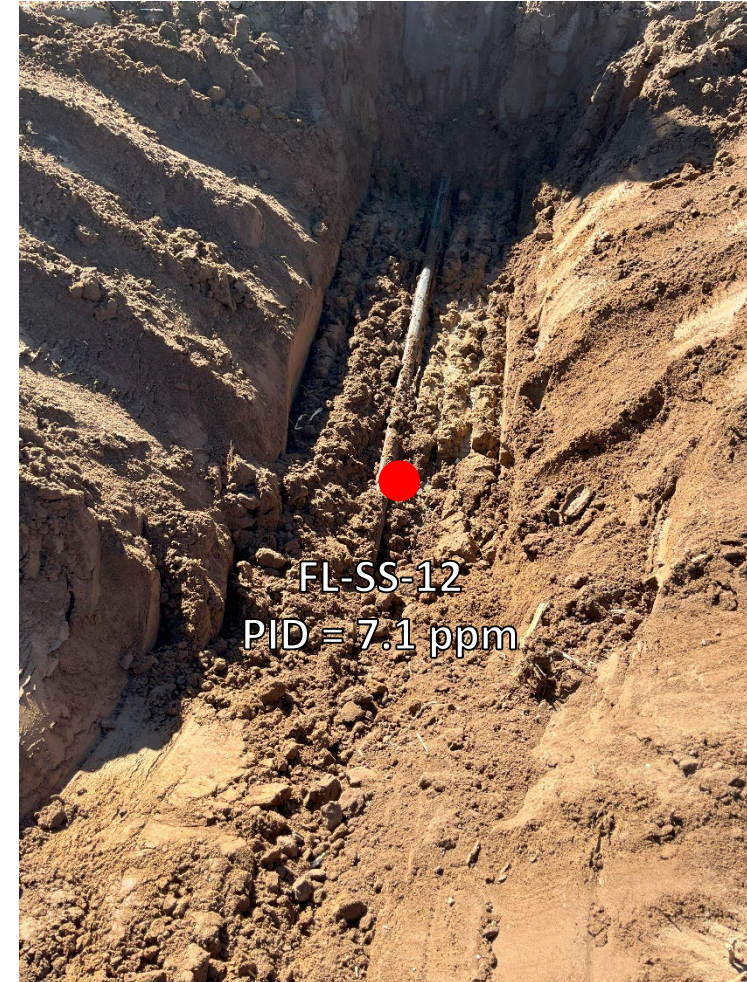
Slight petroleum hydrocarbon odor and gray/black hydrocarbon staining observed - Soil sample submitted for analysis

Flowline Removal/Assessment – 10/20/23



Looking north at bell hole/cut point for removal

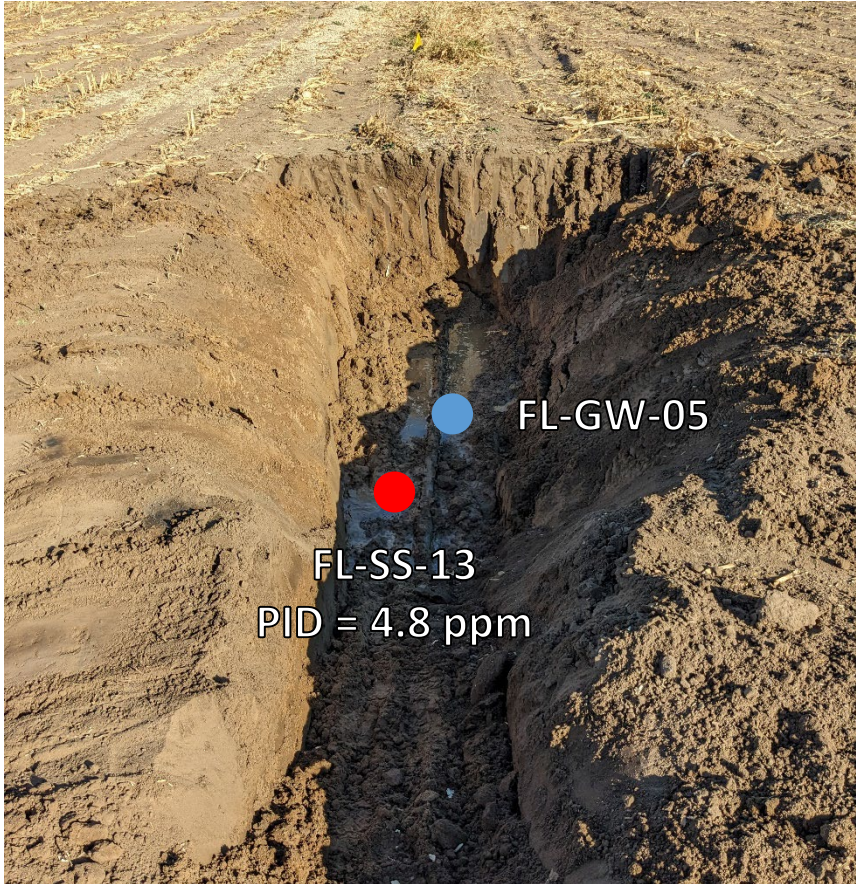
No petroleum hydrocarbon staining or odor observed.
No sample submitted for analysis



Looking north at bell hole/cut point for removal

No petroleum hydrocarbon staining or odor observed.
No sample submitted for analysis

Flowline Removal/Assessment – 10/23/23



Looking north at bell hole/cut point for removal

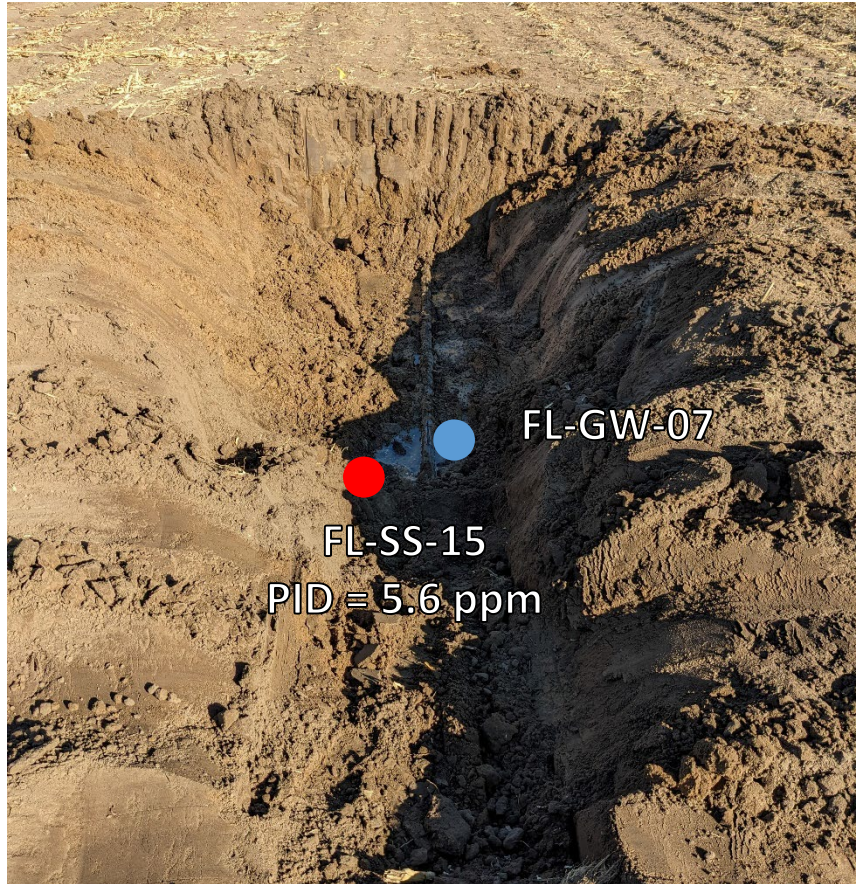
No petroleum hydrocarbon staining or odor observed –
Groundwater sample, only, submitted for analysis



Looking north at bell hole/cut point for removal

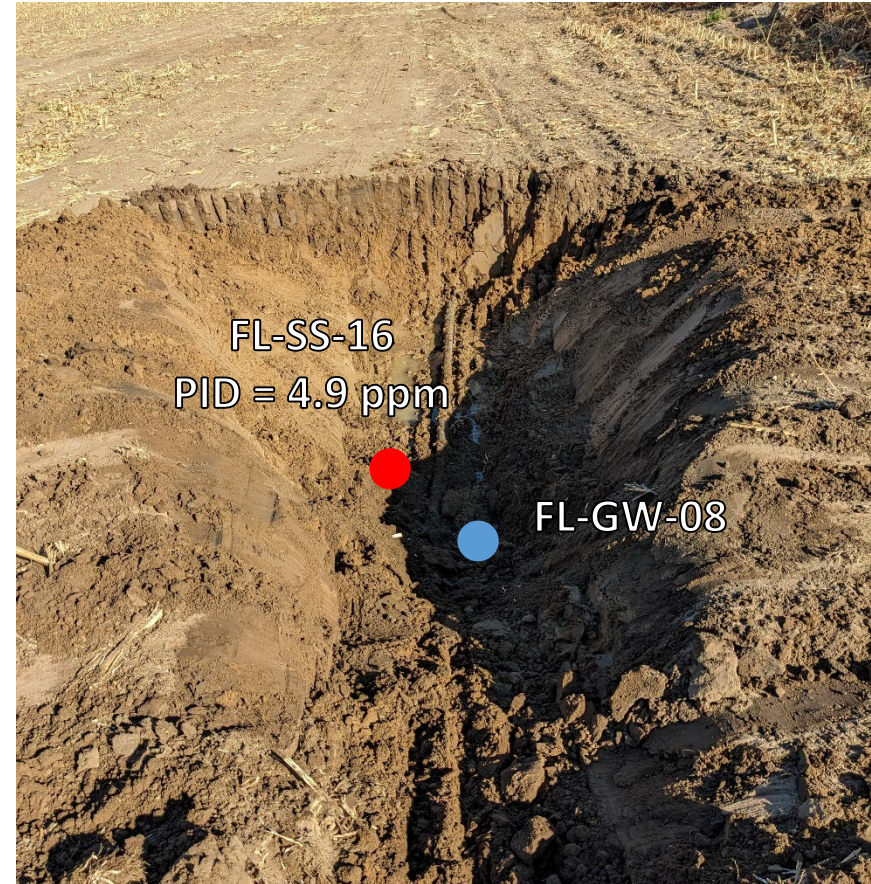
No petroleum hydrocarbon staining or odor observed –
Groundwater sample, only, submitted for analysis

Flowline Removal/Assessment – 10/23/23



Looking north at bell hole/cut point for removal

No petroleum hydrocarbon staining or odor observed –
Groundwater sample, only, submitted for analysis



Looking north at bell hole/cut point for removal

No petroleum hydrocarbon staining or odor observed –
Groundwater sample, only, submitted for analysis



ATTACHMENT B

Laboratory Analytical Reports



October 27, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Schmidt #25-7F

Project Number - [none]

Attached are your analytical results for Noble - Schmidt #25-7F received by Origins Laboratory, Inc. October 19, 2023. This project is associated with Origins project number Y310548-01.

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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-GW-01	Y310548-01	Water	October 19, 2023 12:10	10/19/2023 15:36
FL-GW-02	Y310548-02	Water	October 19, 2023 12:35	10/19/2023 15:36
FL-GW-03	Y310548-03	Water	October 19, 2023 12:55	10/19/2023 15:36

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4310548 Client: Eagle
 Checklist Completed by: EHS Client Project ID: Schmidt #25-7F
 Date/time completed: 10/11/23 Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____ (Describe)
 Cooler Number/Temperature: 116 °C / _____ °C / _____ °C / _____ °C
 Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		/		
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 analytes 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)	/			NC
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)

Date/Time Reviewed 10/23/23

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-GW-01

10/19/2023 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310548-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J2027	JSM	10/20/2023	10/21/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	81.4 %	70-130				"	"	"	
Surrogate: Toluene-d8	115 %	70-130				"	"	"	
Surrogate: 4-Bromofluorobenzene	88.2 %	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-GW-02

10/19/2023 12:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310548-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J2027	JSM	10/20/2023	10/21/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	82.1 %	70-130				"	"	"	
Surrogate: Toluene-d8	113 %	70-130				"	"	"	
Surrogate: 4-Bromofluorobenzene	85.0 %	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-GW-03

10/19/2023 12:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310548-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J2027	JSM	10/20/2023	10/21/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	79.6 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	111 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	88.0 %	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2027 - EPA 5030B (Water)

Blank (B3J2027-BLK1)

Prepared: 10/20/2023 Analyzed: 10/20/2023

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5	99.6		70-130			
Surrogate: Toluene-d8	60		"	62.5	95.4		70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.5		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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2027 - EPA 5030B (Water)

LCS (B3J2027-BS1)

Prepared: 10/20/2023 Analyzed: 10/20/2023

1,2,4-Trimethylbenzene	45.5	2.00	ug/L	50.0		91.0	70-130			
1,3,5-Trimethylbenzene	45.4	2.00	"	50.0		90.9	70-130			
Benzene	42.3	1.00	"	50.0		84.6	70-130			
Ethylbenzene	43.5	1.00	"	50.0		87.0	70-130			
m,p-Xylene	87.7	2.00	"	100		87.7	70-130			
Naphthalene	47.0	2.00	"	50.0		94.0	70-130			
o-Xylene	45.2	1.00	"	50.0		90.4	70-130			
Toluene	42.6	1.00	"	50.0		85.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2027 - EPA 5030B (Water)

Matrix Spike (B3J2027-MS1)	Source: Y310512-01			Prepared: 10/20/2023 Analyzed: 10/20/2023						
1,2,4-Trimethylbenzene	55.8	2.00	ug/L	50.0	1.12	109	70-130			
1,3,5-Trimethylbenzene	56.0	2.00	"	50.0	ND	112	70-130			
Benzene	50.9	1.00	"	50.0	0.200	101	70-130			
Ethylbenzene	53.6	1.00	"	50.0	0.170	107	70-130			
m,p-Xylene	111	2.00	"	100	0.670	110	70-130			
Naphthalene	46.8	2.00	"	50.0	0.480	92.7	70-130			
o-Xylene	54.6	1.00	"	50.0	0.120	109	70-130			
Toluene	51.6	1.00	"	50.0	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.5	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2027 - EPA 5030B (Water)

Matrix Spike Dup (B3J2027-MSD1)	Source: Y310512-01			Prepared: 10/20/2023 Analyzed: 10/20/2023						
1,2,4-Trimethylbenzene	51.4	2.00	ug/L	50.0	1.12	100	70-130	8.40	20	
1,3,5-Trimethylbenzene	51.3	2.00	"	50.0	ND	103	70-130	8.73	20	
Benzene	46.2	1.00	"	50.0	0.200	91.9	70-130	9.77	20	
Ethylbenzene	49.6	1.00	"	50.0	0.170	99.0	70-130	7.67	20	
m,p-Xylene	102	2.00	"	100	0.670	102	70-130	8.02	20	
Naphthalene	43.5	2.00	"	50.0	0.480	86.0	70-130	7.42	20	
o-Xylene	49.6	1.00	"	50.0	0.120	98.9	70-130	9.67	20	
Toluene	47.4	1.00	"	50.0	ND	94.7	70-130	8.57	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.2	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



October 31, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Schmidt #25-7F

Project Number - [none]

Attached are your analytical results for Noble - Schmidt #25-7F received by Origins Laboratory, Inc. October 19, 2023. This project is associated with Origins project number Y310549-01.

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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-SS-01@5'	Y310549-01	Soil	October 19, 2023 12:05	10/19/2023 15:36
FL-SS-02@4'	Y310549-02	Soil	October 19, 2023 12:30	10/19/2023 15:36

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

www.originslaboratory.com

4310549

page | of |

ORIGINS
 LABORATORY, INC

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
 Wheat Ridge, CO 80033
 Telephone Number: 303-433-0474
 Email Address: mnewberry@eagle-enviro.com

Project Manager: Andrew Newberry
 Project Name: Schmidt #25-7F
 Project Number: _____
 Samples Collected By: RS

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions	Turnaround Time:						
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	EC	THAs	PHAs		PAHs	PCBs	PCDDs	PCDFs	OC	OCs	OCs
FL-55-01e5'	10/19/13	1205	3	X				X					X	X	X					EC, SAR, pH =	Same Day <input type="checkbox"/>	24 Hr <input type="checkbox"/>
FL-55-02e4'	10/19/13	1230	3	↓																Submerged post prep	48 Hr <input type="checkbox"/>	72 Hr <input type="checkbox"/>
																				MDLs needed	Standard <input checked="" type="checkbox"/>	

Relinquished By: *Wade*
 Relinquished By: *Wade*

Date: 10/19/13
 Time: 1536

Date: 10/19/13
 Time: 1530

Received By: *Wade*
 Received By: *Wade*

Temp Received: *Bill to Wade*
 Date Results Needed: *Noble*

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 431054 a

Client: Eagle

Client Project ID: Schmidt #25-7F

Checklist Completed by: EHS

Shipped Via: HD

Date/time completed: 10/19/23

(UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

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

Cooler Number/Temperature: 1 / 6 °C 1 °C 1 °C (Describe) °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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)			/	
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 10/23/23

Origins Laboratory, Inc.

[Signature]

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-01@5'
10/19/2023 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310549-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.100	mg/L	1	B3J2514	KAP	10/25/2023	10/26/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J2301	ZZZ	10/23/2023	10/24/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 86.6 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J2034	HK	10/20/2023	10/22/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 120 % 70-130 " " "
 Surrogate: Toluene-d8 95.8 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 98.3 % 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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-01@5'
 10/19/2023 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y310549-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	3.21	0.499	meq/L	10	[CALC]	KAP	10/23/2023	10/24/2023	
Magnesium	1.34	0.823	"	"	"	KAP	"	"	
Sodium	6.04	0.435	"	"	"	KAP	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3J2328	Windo	10/23/2023	10/28/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-01@5'
10/19/2023 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310549-01 (Soil)

PAH by EPA 8270E

Surrogate: Fluorene-d10	99.2 %	60-130			B3J23 28		10/23/2023	10/28/2023	
Surrogate: Anthracene-d10	94.4 %	60-130			"		"	"	
Surrogate: Pyrene-d10	119 %	60-130			"		"	"	
Surrogate: Benzo (a) pyrene-d12	96.7 %	60-130			"		"	"	

pH in Soil by 9045D

pH	8.41		pH Units	1	B3J2318	HJD	10/23/2023	10/24/2023	
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SAR by 20B Saturated Paste

SAR	4.01	0.0100	SAR	1	B3J2308	KAP	10/23/2023	10/24/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.35	0.00500	mmhos/cm	1	B3J2318	HJD	10/23/2023	10/24/2023	
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Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-02@4'
10/19/2023 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310549-02 (Soil)

Boron (DTPA Sorbitol)

Boron	1.03	0.0995	mg/L	1	B3J2514	KAP	10/25/2023	10/26/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J2301	ZZZ	10/23/2023	10/24/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: <i>o</i> -Terphenyl	88.5 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J2034	HK	10/20/2023	10/22/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	119 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	97.2 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-02@4'
10/19/2023 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310549-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	15.7	0.499	meq/L	10	[CALC]	KAP	10/23/2023	10/24/2023	
Magnesium	5.90	0.823	"	"	"	KAP	"	"	
Sodium	12.0	0.435	"	"	"	KAP	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3J2328	Windo	10/23/2023	10/29/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-02@4'
10/19/2023 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310549-02 (Soil)

PAH by EPA 8270E

Surrogate: Fluorene-d10	100 %	60-130			B3J23 28		10/23/2023	10/29/2023	
Surrogate: Anthracene-d10	96.1 %	60-130			"		"	"	
Surrogate: Pyrene-d10	119 %	60-130			"		"	"	
Surrogate: Benzo (a) pyrene-d12	99.3 %	60-130			"		"	"	

pH in Soil by 9045D

pH	8.16		pH Units	1	B3J2318	HJD	10/23/2023	10/24/2023	
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SAR by 20B Saturated Paste

SAR	3.66	0.0100	SAR	1	B3J2308	KAP	10/23/2023	10/24/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.06	0.00500	mmhos/cm	1	B3J2318	HJD	10/23/2023	10/24/2023	
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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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2034 - EPA 5030 (soil)

Blank (B3J2034-BLK1)

Prepared: 10/20/2023 Analyzed: 10/22/2023

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	0.13		"	0.125	102		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	96.9		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.1		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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2034 - EPA 5030 (soil)

LCS (B3J2034-BS1)

Prepared: 10/20/2023 Analyzed: 10/22/2023

1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100		116	70-130			
1,3,5-Trimethylbenzene	0.117	0.00200	"	0.100		117	70-130			
Benzene	0.111	0.00200	"	0.100		111	70-130			
Ethylbenzene	0.112	0.00200	"	0.100		112	70-130			
Naphthalene	0.116	0.00380	"	0.100		116	70-130			
Toluene	0.109	0.00200	"	0.100		109	70-130			
o-Xylene	0.116	0.00200	"	0.100		116	70-130			
m,p-Xylene	0.226	0.00400	"	0.200		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	70-130			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2034 - EPA 5030 (soil)

Matrix Spike (B3J2034-MS1)	Source: Y310484-48			Prepared: 10/20/2023 Analyzed: 10/22/2023						
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130			
Benzene	0.0986	0.00200	"	0.100	ND	98.6	70-130			
Ethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Naphthalene	0.102	0.00380	"	0.100	ND	102	70-130			
Toluene	0.0965	0.00200	"	0.100	ND	96.5	70-130			
o-Xylene	0.105	0.00200	"	0.100	ND	105	70-130			
m,p-Xylene	0.208	0.00400	"	0.200	ND	104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.5	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2034 - EPA 5030 (soil)

Matrix Spike Dup (B3J2034-MSD1)	Source: Y310484-48			Prepared: 10/20/2023 Analyzed: 10/22/2023						
1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100	ND	116	70-130	10.1	20	
1,3,5-Trimethylbenzene	0.117	0.00200	"	0.100	ND	117	70-130	11.2	20	
Benzene	0.111	0.00200	"	0.100	ND	111	70-130	12.2	20	
Ethylbenzene	0.112	0.00200	"	0.100	ND	112	70-130	10.2	20	
Naphthalene	0.117	0.00380	"	0.100	ND	117	70-130	14.3	20	
Toluene	0.109	0.00200	"	0.100	ND	109	70-130	11.8	20	
o-Xylene	0.118	0.00200	"	0.100	ND	118	70-130	11.2	20	
m,p-Xylene	0.231	0.00400	"	0.200	ND	115	70-130	10.3	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.5	70-130			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2301 - EPA 3550B										
Blank (B3J2301-BLK1)										
					Prepared: 10/23/2023 Analyzed: 10/24/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		86.6	50-150			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2301 - EPA 3550B										
LCS (B3J2301-BS1)										
					Prepared: 10/23/2023 Analyzed: 10/24/2023					
Diesel (C10-C28)	905	50.0	mg/kg	1000		90.5	70-130			
Residual Range Organics (C28-C40)	937	200	"	1000		93.7	70-130			
Surrogate: o-Terphenyl	40		"	49.8		79.9	50-150			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2301 - EPA 3550B

Matrix Spike (B3J2301-MS1)	Source: Y310549-01			Prepared: 10/23/2023 Analyzed: 10/24/2023						
Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	70-130			
Residual Range Organics (C28-C40)	1150	200	"	1000	ND	115	70-130			
Surrogate: o-Terphenyl	59		"	49.8		118	50-150			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2301 - EPA 3550B										
Matrix Spike Dup (B3J2301-MSD1)					Source: Y310549-01					Prepared: 10/23/2023 Analyzed: 10/24/2023
Diesel (C10-C28)	932	50.0	mg/kg	1000	ND	93.2	70-130	8.35	35	
Residual Range Organics (C28-C40)	1020	200	"	1000	ND	102	70-130	11.9	35	
Surrogate: o-Terphenyl	41		"	49.8		83.2	50-150			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3J2328 - EPA 3580

Blank (B3J2328-BLK1)

Prepared: 10/23/2023 Analyzed: 10/28/2023

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		98.3	60-130			
Surrogate: Anthracene-d10	190		"	200		93.7	60-130			
Surrogate: Pyrene-d10	240		"	200		121	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		95.4	60-130			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3J2328 - EPA 3580

LCS (B3J2328-BS1)

Prepared: 10/23/2023 Analyzed: 10/28/2023

1-Methylnaphthalene	0.195	0.002	mg/kg	0.200		97.7	70-130			
2-Methylnaphthalene	0.183	0.002	"	0.200		91.6	70-130			
Acenaphthene	0.194	0.020	"	0.200		96.9	70-130			
Anthracene	0.171	0.020	"	0.200		85.4	70-130			
Benzo (a) anthracene	0.166	0.005	"	0.200		83.0	70-130			
Benzo (a) pyrene	0.192	0.020	"	0.200		95.9	70-130			
Benzo (b) fluoranthene	0.201	0.020	"	0.200		101	70-130			
Benzo (g,h,i) perylene	0.198	0.020	"	0.200		98.9	70-130			
Benzo (k) fluoranthene	0.166	0.020	"	0.200		83.0	70-130			
Chrysene	0.179	0.020	"	0.200		89.5	70-130			
Dibenz (a,h) anthracene	0.191	0.020	"	0.200		95.5	70-130			
Fluoranthene	0.182	0.020	"	0.200		90.8	70-130			
Fluorene	0.191	0.020	"	0.200		95.4	70-130			
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200		106	70-130			
Naphthalene	0.196	0.002	"	0.200		97.9	70-130			
Phenanthrene	0.181	0.020	"	0.200		90.4	70-130			
Pyrene	0.221	0.020	"	0.200		111	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		97.8	60-130			
Surrogate: Anthracene-d10	200		"	200		97.6	60-130			
Surrogate: Pyrene-d10	230		"	200		116	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.8	60-130			

Matrix Spike (B3J2328-MS1)

Source: Y310515-01

Prepared: 10/23/2023 Analyzed: 10/28/2023

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	ND	97.0	70-130			
2-Methylnaphthalene	0.183	0.002	"	0.200	ND	91.4	70-130			
Acenaphthene	0.194	0.020	"	0.200	ND	97.0	70-130			
Anthracene	0.173	0.020	"	0.200	ND	86.6	70-130			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3J2328 - EPA 3580

Matrix Spike (B3J2328-MS1)	Source: Y310515-01			Prepared: 10/23/2023 Analyzed: 10/28/2023						
Benzo (a) anthracene	0.182	0.005	mg/kg	0.200	ND	90.9	70-130			
Benzo (a) pyrene	0.200	0.020	"	0.200	ND	100	70-130			
Benzo (b) fluoranthene	0.208	0.020	"	0.200	ND	104	70-130			
Benzo (g,h,i) perylene	0.203	0.020	"	0.200	ND	101	70-130			
Benzo (k) fluoranthene	0.172	0.020	"	0.200	ND	85.8	70-130			
Chrysene	0.187	0.020	"	0.200	ND	93.3	70-130			
Dibenz (a,h) anthracene	0.195	0.020	"	0.200	ND	97.7	70-130			
Fluoranthene	0.175	0.020	"	0.200	ND	87.5	70-130			
Fluorene	0.193	0.020	"	0.200	ND	96.4	70-130			
Indeno (1,2,3-cd) pyrene	0.175	0.020	"	0.200	ND	87.5	70-130			
Naphthalene	0.191	0.002	"	0.200	ND	95.3	70-130			
Phenanthrene	0.182	0.020	"	0.200	ND	91.2	70-130			
Pyrene	0.231	0.020	"	0.200	ND	116	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.5	60-130			
Surrogate: Anthracene-d10	190		"	200		96.4	60-130			
Surrogate: Pyrene-d10	240		"	200		120	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.5	60-130			

Matrix Spike Dup (B3J2328-MSD1)	Source: Y310515-01			Prepared: 10/23/2023 Analyzed: 10/28/2023						
1-Methylnaphthalene	0.188	0.002	mg/kg	0.200	ND	93.8	70-130	3.28	20	
2-Methylnaphthalene	0.184	0.002	"	0.200	ND	92.0	70-130	0.658	20	
Acenaphthene	0.196	0.020	"	0.200	ND	98.1	70-130	1.12	20	
Anthracene	0.185	0.020	"	0.200	ND	92.4	70-130	6.40	20	
Benzo (a) anthracene	0.165	0.005	"	0.200	ND	82.6	70-130	9.51	20	
Benzo (a) pyrene	0.201	0.020	"	0.200	ND	101	70-130	0.628	20	
Benzo (b) fluoranthene	0.214	0.020	"	0.200	ND	107	70-130	3.00	20	
Benzo (g,h,i) perylene	0.203	0.020	"	0.200	ND	101	70-130	0.0477	20	

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3J2328 - EPA 3580

Matrix Spike Dup (B3J2328-MSD1)	Source: Y310515-01			Prepared: 10/23/2023 Analyzed: 10/28/2023						
Benzo (k) fluoranthene	0.177	0.020	mg/kg	0.200	ND	88.6	70-130	3.24	20	
Chrysene	0.184	0.020	"	0.200	ND	91.8	70-130	1.65	20	
Dibenz (a,h) anthracene	0.198	0.020	"	0.200	ND	99.0	70-130	1.32	20	
Fluoranthene	0.184	0.020	"	0.200	ND	92.0	70-130	5.02	20	
Fluorene	0.194	0.020	"	0.200	ND	97.0	70-130	0.605	20	
Indeno (1,2,3-cd) pyrene	0.222	0.020	"	0.200	ND	111	70-130	23.4	20	QR-02
Naphthalene	0.195	0.002	"	0.200	ND	97.4	70-130	2.15	20	
Phenanthrene	0.191	0.020	"	0.200	ND	95.4	70-130	4.45	20	
Pyrene	0.229	0.020	"	0.200	ND	115	70-130	0.930	20	
Surrogate: Fluorene-d10	200		ug/kg	200		97.9	60-130			
Surrogate: Anthracene-d10	190		"	200		96.3	60-130			
Surrogate: Pyrene-d10	240		"	200		119	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.7	60-130			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2308 - Saturated Paste Metals

Blank (B3J2308-BLK1)

Prepared: 10/23/2023 Analyzed: 10/24/2023

SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

Duplicate (B3J2308-DUP1)

Source: Y310484-44

Prepared: 10/23/2023 Analyzed: 10/24/2023

Calcium PPM	26.4	10.0	mg/L		35.8			30.4	50	
SAR	ND	0.0100	SAR		18.2				200	
Magnesium PPM	1.19	10.0	mg/L		1.59			28.8	50	
Sodium PPM	360	10.0	"		409			12.7	50	

Batch B3J2514 - DTPA Sorbitol Preparation

Blank (B3J2514-BLK1)

Prepared: 10/25/2023 Analyzed: 10/26/2023

Boron	ND	0.100	mg/L							
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Duplicate (B3J2514-DUP1)

Source: Y310549-01

Prepared: 10/25/2023 Analyzed: 10/26/2023

Boron	0.760	0.101	mg/L		ND				50	
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J2318 - Saturated Paste pH/EC										
Blank (B3J2318-BLK1)					Prepared: 10/23/2023 Analyzed: 10/24/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3J2318-DUP1)		Source: Y310484-44			Prepared: 10/23/2023 Analyzed: 10/24/2023					
pH	8.35		pH Units		8.27		0.963		25	
Specific Conductance (EC)	1.87	0.00500	mmhos/cm		2.26		18.9		25	

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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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November 07, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Schmidt #25-7F

Project Number - [none]

Attached are your analytical results for Noble - Schmidt #25-7F received by Origins Laboratory, Inc. October 20, 2023. This project is associated with Origins project number Y310569-01.

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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-SS-10@4'	Y310569-01	Soil	October 20, 2023 9:50	10/20/2023 12:41
FL-SS-12@4'	Y310569-02	Soil	October 20, 2023 11:20	10/20/2023 12:41

Chain of Custody Modification Request

On 10/31/2023, Kendra Marcum from Eagle Environmental contacted Jordan Bynon via email regarding Y310569 requesting that Table 915 Metals be added to FL-SS-10@4'. Requested modifications to the chain of custody were made by Jordan Bynon on 10/31/2023.

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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ORIGINS
LABORATORY, INC

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
 Wheat Ridge CO 80033

Project Manager: Andrew Newberry
 Project Name: Schmidt #25-7F
 Project Number: _____
 Samples Collected By: RS

Telephone Number: 303-433-0479
 Email Address: anewberry@eagle-environ.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	g, atkx, Agpm, Tmp, -2600	PFA, -2700, 5004	EC - 9004	
FL-55-10e4	10/20/23	0950	3	X				X				X	X	X	EC, SAR, pH = 1
FL-55-12e4	10/20/23	1120	1	U				U				U	U	U	Subtotal pink prep 2
															3
															4
															5
															6
															7
															8
															9
															10
Relinquished By: <i>Andrew Newberry</i>	Date: 10/20/23	Time: 1421													
Relinquished By: _____	Date: _____	Time: _____													

Temp Received: S
 Date Results Needed: * Noble

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4310569

Client: Eagle
 Client Project ID: Schmidt #25-7F

Checklist Completed by: TJH/EHS
 Date/time completed: 10/20/23

Shipped Via: HV
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

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

Cooler Number/Temperature: 1, 5 °C / _____ °C / _____ °C (Describe)

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⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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)			/	
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 10/20/23

Origins Laboratory, Inc.

[Signature]

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-10@4'

10/20/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310569-01 (Soil)

Boron (DTPA Sorbitol)

Boron	1.12		0.0997	mg/L	1	B3J2515	10/25/2023	10/26/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	3240		25.0	mg/kg	1	B3J2301	10/23/2023	10/24/2023	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	111 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	61.3		0.500	mg/kg	250	B3J2201	10/22/2023	10/24/2023	
1,3,5-Trimethylbenzene	54.8		0.500	"	"	"	"	"	
Benzene	0.0790		0.0500	"	25	"	"	10/23/2023	
Ethylbenzene	4.19		0.0500	"	"	"	"	"	
Naphthalene	1.13		0.0950	"	"	"	"	"	
Toluene	0.0675		0.0500	"	"	"	"	"	
Xylenes, total	181		0.00200	"	1	"	"	10/24/2023	
Gasoline Range Hydrocarbons	2520		50.0	"	250	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	92.6 %		70-130			"	"	10/23/2023	
Surrogate: Toluene-d8	151 %		70-130			"	"	"	S-GC

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-10@4'

10/20/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310569-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	94.0 %	70-130				B3J22 01	10/22/2023	10/23/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	0.721	0.499	meq/L	10	[CALC]		10/25/2023	10/26/2023	
Magnesium	ND	0.823	"	"	"	"	"	"	
Sodium	6.85	0.435	"	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	2.19	0.020	mg/kg	10	B3J2328		10/23/2023	10/30/2023	
2-Methylnaphthalene	6.09	0.020	"	"	"	"	"	"	
Acenaphthene	0.239	0.020	"	1	"	"	"	10/29/2023	
Anthracene	0.405	0.020	"	"	"	"	"	"	
Benzo (a) anthracene	0.010	0.005	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	"	Ua
Fluorene	0.200	0.020	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-10@4'

10/20/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310569-01 (Soil)

PAH by EPA 8270E

Pyrene	ND		0.020	mg/kg	1	B3J2328	10/23/2023	10/29/2023	Ua
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Surrogate: Fluorene-d10	91.9 %		60-130			"	"	"	
Surrogate: Anthracene-d10	98.3 %		60-130			"	"	"	
Surrogate: Pyrene-d10	167 %		60-130			"	"	"	S-04
Surrogate: Benzo (a) pyrene-d12	96.2 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.95			pH Units	1	B3J2518	10/25/2023	10/26/2023	
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SAR by 20B Saturated Paste

SAR	9.45		0.0100	SAR	1	B3J2511	10/25/2023	10/26/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.892		0.00500	mmhos/cm	1	B3J2518	10/25/2023	10/26/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.59		0.0920	mg/kg	10	B3J3121	10/31/2023	11/01/2023	
Barium	59.7		9.20	"	"	"	"	"	
Cadmium	0.255		0.0920	"	"	"	"	"	

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-10@4'

10/20/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310569-01 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.20	mg/kg	10	B3J3121	10/31/2023	11/01/2023	
Lead	11.1		9.20	"	"	"	"	"	
Nickel	ND		9.20	"	"	"	"	"	
Selenium	0.105		0.0920	"	"	"	"	"	
Silver	0.116		0.0920	"	"	"	"	"	
Zinc	ND		92.0	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.118	0.294	mg/kg dry	1	2518196	11/05/2023	11/06/2023	U
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Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-12@4'
10/20/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310569-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.608		0.101	mg/L	1	B3J2515	10/25/2023	10/26/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3J2301	10/23/2023	10/24/2023	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	83.2 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3J2201	10/22/2023	10/23/2023	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-12@4'

10/20/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310569-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	97.8 %		70-130			B3J22 01	10/22/2023	10/23/2023	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.43		0.499	meq/L	10	[CALC]	10/25/2023	10/26/2023	
Magnesium	0.946		0.823	"	"	"	"	"	
Sodium	4.34		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3J2328	10/23/2023	10/29/2023	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-SS-12@4'
10/20/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310569-02 (Soil)

PAH by EPA 8270E

Fluoranthene	ND		0.020	mg/kg	1	B3J2328	10/23/2023	10/29/2023	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	97.7 %		60-130			"	"	"	
Surrogate: Anthracene-d10	98.8 %		60-130			"	"	"	
Surrogate: Pyrene-d10	125 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.5 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.27			pH Units	1	B3J2518	10/25/2023	10/26/2023	
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SAR by 20B Saturated Paste

SAR	3.33		0.0100	SAR	1	B3J2511	10/25/2023	10/26/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.898		0.00500	mmhos/cm	1	B3J2518	10/25/2023	10/26/2023	
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Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2201 - EPA 5030 (soil)

Blank (B3J2201-BLK1)

Prepared: 10/22/2023 Analyzed: 10/23/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	98.0		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	103		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	94.3		70-130			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2201 - EPA 5030 (soil)

LCS (B3J2201-BS1)

Prepared: 10/22/2023 Analyzed: 10/23/2023

1,2,4-Trimethylbenzene	0.0953	0.00200	mg/kg	0.100		95.3	70-130			
1,3,5-Trimethylbenzene	0.0939	0.00200	"	0.100		93.9	70-130			
Benzene	0.0882	0.00200	"	0.100		88.2	70-130			
Ethylbenzene	0.0978	0.00200	"	0.100		97.8	70-130			
Naphthalene	0.0936	0.00380	"	0.100		93.6	70-130			
Toluene	0.0905	0.00200	"	0.100		90.5	70-130			
o-Xylene	0.0964	0.00200	"	0.100		96.4	70-130			
m,p-Xylene	0.189	0.00400	"	0.200		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2201 - EPA 5030 (soil)

Matrix Spike (B3J2201-MS1)	Source: Y310569-02			Prepared: 10/22/2023 Analyzed: 10/23/2023						
1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100	0.000820	105	70-130			
1,3,5-Trimethylbenzene	0.107	0.00200	"	0.100	0.000640	106	70-130			
Benzene	0.0901	0.00200	"	0.100	ND	90.1	70-130			
Ethylbenzene	0.111	0.00200	"	0.100	ND	111	70-130			
Naphthalene	0.0789	0.00380	"	0.100	0.000760	78.1	70-130			
Toluene	0.0954	0.00200	"	0.100	ND	95.4	70-130			
o-Xylene	0.107	0.00200	"	0.100	ND	107	70-130			
m,p-Xylene	0.218	0.00400	"	0.200	0.00224	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		82.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2201 - EPA 5030 (soil)

Matrix Spike Dup (B3J2201-MSD1)	Source: Y310569-02		Prepared: 10/22/2023 Analyzed: 10/23/2023							
1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100	0.000820	108	70-130	1.99	20	
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	0.000640	106	70-130	0.656	20	
Benzene	0.0982	0.00200	"	0.100	ND	98.2	70-130	8.64	20	
Ethylbenzene	0.111	0.00200	"	0.100	ND	111	70-130	0.0900	20	
Naphthalene	0.106	0.00380	"	0.100	0.000760	105	70-130	29.1	20	QM-07
Toluene	0.102	0.00200	"	0.100	ND	102	70-130	6.68	20	
o-Xylene	0.109	0.00200	"	0.100	ND	109	70-130	2.41	20	
m,p-Xylene	0.217	0.00400	"	0.200	0.00224	108	70-130	0.478	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.2	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2301 - EPA 3550B										
Blank (B3J2301-BLK1)										
					Prepared: 10/23/2023 Analyzed: 10/24/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	22		"	24.9		86.6	50-150			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2301 - EPA 3550B

LCS (B3J2301-BS1)

Prepared: 10/23/2023 Analyzed: 10/24/2023

Diesel (C10-C28)	905	50.0	mg/kg	1000		90.5	70-130			
Residual Range Organics (C28-C40)	937	200	"	1000		93.7	70-130			
Surrogate: o-Terphenyl	40		"	49.8		79.9	50-150			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2301 - EPA 3550B

Matrix Spike (B3J2301-MS1)	Source: Y310549-01			Prepared: 10/23/2023 Analyzed: 10/24/2023						
Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	70-130			
Residual Range Organics (C28-C40)	1150	200	"	1000	ND	115	70-130			
Surrogate: o-Terphenyl	59		"	49.8		118	50-150			

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Jordan A. Bynon, Project Manager

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2301 - EPA 3550B

Matrix Spike Dup (B3J2301-MSD1)	Source: Y310549-01			Prepared: 10/23/2023 Analyzed: 10/24/2023						
Diesel (C10-C28)	932	50.0	mg/kg	1000	ND	93.2	70-130	8.35	35	
Residual Range Organics (C28-C40)	1020	200	"	1000	ND	102	70-130	11.9	35	
Surrogate: o-Terphenyl	41		"	49.8		83.2	50-150			

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Metals by EPA 6000/7000 Series Methods - 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 B3J3121 - EPA 3050B

Blank (B3J3121-BLK1)

Prepared: 10/31/2023 Analyzed: 11/01/2023

Arsenic	ND	0.000100	mg/kg							
Barium	ND	0.0100	"							
Cadmium	ND	0.000100	"							
Copper	ND	0.0100	"							
Lead	ND	0.0100	"							
Nickel	ND	0.0100	"							
Selenium	ND	0.000100	"							
Silver	ND	0.000100	"							
Zinc	ND	0.100	"							

LCS (B3J3121-BS1)

Prepared: 10/31/2023 Analyzed: 11/01/2023

Arsenic	0.0468	0.000100	mg/kg	0.0500		93.5	80-120			
Barium	4.84	0.0100	"	5.00		96.7	80-120			
Cadmium	0.0476	0.000100	"	0.0500		95.1	80-120			
Copper	0.522	0.0100	"	0.500		104	80-120			
Lead	0.0469	0.0100	"	0.0500		93.8	80-120			
Nickel	0.0505	0.0100	"	0.0500		101	80-120			
Selenium	0.0487	0.000100	"	0.0500		97.4	80-120			
Silver	0.0494	0.000100	"	0.0500		98.9	80-120			
Zinc	0.484	0.100	"	0.500		96.8	80-120			

Matrix Spike (B3J3121-MS1)

Source: Y310776-01

Prepared: 10/31/2023 Analyzed: 11/01/2023

Origins Laboratory, Inc.



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Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Metals by EPA 6000/7000 Series Methods - 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 B3J3121 - EPA 3050B

Matrix Spike (B3J3121-MS1)

Source: Y310776-01

Prepared: 10/31/2023 Analyzed: 11/01/2023

Arsenic	8.44	0.0934	mg/kg	4.67	4.18	91.4	75-125			
Barium	653	9.34	"	467	188	99.5	75-125			
Cadmium	4.85	0.0934	"	4.67	0.196	99.7	75-125			
Copper	63.6	9.34	"	46.7	15.9	102	75-125			
Lead	15.1	9.34	"	4.67	10.7	94.6	75-125			
Nickel	20.2	9.34	"	4.67	16.1	87.5	75-125			
Selenium	4.41	0.0934	"	4.67	0.180	90.6	75-125			
Silver	4.89	0.0934	"	4.67	0.0498	104	75-125			
Zinc	96.8	93.4	"	46.7	49.7	101	75-125			

Matrix Spike Dup (B3J3121-MSD1)

Source: Y310776-01

Prepared: 10/31/2023 Analyzed: 11/01/2023

Arsenic	8.61	0.0894	mg/kg	4.47	4.18	99.3	75-125	1.97	20	
Barium	696	8.94	"	447	188	114	75-125	6.35	20	
Cadmium	4.92	0.0894	"	4.47	0.196	106	75-125	1.41	20	
Copper	63.1	8.94	"	44.7	15.9	105	75-125	0.922	20	
Lead	15.8	8.94	"	4.47	10.7	113	75-125	4.16	20	
Nickel	20.8	8.94	"	4.47	16.1	106	75-125	3.11	20	
Selenium	4.36	0.0894	"	4.47	0.180	93.6	75-125	1.15	20	
Silver	4.90	0.0894	"	4.47	0.0498	109	75-125	0.187	20	
Zinc	97.3	89.4	"	44.7	49.7	107	75-125	0.531	20	

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3J2328 - EPA 3580

Blank (B3J2328-BLK1)

Prepared: 10/23/2023 Analyzed: 10/28/2023

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	200		ug/kg	200		98.3	60-130			
Surrogate: Anthracene-d10	190		"	200		93.7	60-130			
Surrogate: Pyrene-d10	240		"	200		121	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		95.4	60-130			

LCS (B3J2328-BS1)

Prepared: 10/23/2023 Analyzed: 10/28/2023

1-Methylnaphthalene	0.195	0.002	mg/kg	0.200		97.7	70-130			
2-Methylnaphthalene	0.183	0.002	"	0.200		91.6	70-130			
Acenaphthene	0.194	0.020	"	0.200		96.9	70-130			
Anthracene	0.171	0.020	"	0.200		85.4	70-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3J2328 - EPA 3580

LCS (B3J2328-BS1)

Prepared: 10/23/2023 Analyzed: 10/28/2023

Benzo (a) anthracene	0.166	0.005	mg/kg	0.200		83.0	70-130			
Benzo (a) pyrene	0.192	0.020	"	0.200		95.9	70-130			
Benzo (b) fluoranthene	0.201	0.020	"	0.200		101	70-130			
Benzo (g,h,i) perylene	0.198	0.020	"	0.200		98.9	70-130			
Benzo (k) fluoranthene	0.166	0.020	"	0.200		83.0	70-130			
Chrysene	0.179	0.020	"	0.200		89.5	70-130			
Dibenz (a,h) anthracene	0.191	0.020	"	0.200		95.5	70-130			
Fluoranthene	0.182	0.020	"	0.200		90.8	70-130			
Fluorene	0.191	0.020	"	0.200		95.4	70-130			
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200		106	70-130			
Naphthalene	0.196	0.002	"	0.200		97.9	70-130			
Phenanthrene	0.181	0.020	"	0.200		90.4	70-130			
Pyrene	0.221	0.020	"	0.200		111	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		97.8	60-130			
Surrogate: Anthracene-d10	200		"	200		97.6	60-130			
Surrogate: Pyrene-d10	230		"	200		116	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.8	60-130			

Matrix Spike (B3J2328-MS1)

Source: Y310515-01

Prepared: 10/23/2023 Analyzed: 10/28/2023

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	ND	97.0	70-130			
2-Methylnaphthalene	0.183	0.002	"	0.200	ND	91.4	70-130			
Acenaphthene	0.194	0.020	"	0.200	ND	97.0	70-130			
Anthracene	0.173	0.020	"	0.200	ND	86.6	70-130			
Benzo (a) anthracene	0.182	0.005	"	0.200	ND	90.9	70-130			
Benzo (a) pyrene	0.200	0.020	"	0.200	ND	100	70-130			
Benzo (b) fluoranthene	0.208	0.020	"	0.200	ND	104	70-130			
Benzo (g,h,i) perylene	0.203	0.020	"	0.200	ND	101	70-130			

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3J2328 - EPA 3580

Matrix Spike (B3J2328-MS1)		Source: Y310515-01			Prepared: 10/23/2023 Analyzed: 10/28/2023					
Benzo (k) fluoranthene	0.172	0.020	mg/kg	0.200	ND	85.8	70-130			
Chrysene	0.187	0.020	"	0.200	ND	93.3	70-130			
Dibenz (a,h) anthracene	0.195	0.020	"	0.200	ND	97.7	70-130			
Fluoranthene	0.175	0.020	"	0.200	ND	87.5	70-130			
Fluorene	0.193	0.020	"	0.200	ND	96.4	70-130			
Indeno (1,2,3-cd) pyrene	0.175	0.020	"	0.200	ND	87.5	70-130			
Naphthalene	0.191	0.002	"	0.200	ND	95.3	70-130			
Phenanthrene	0.182	0.020	"	0.200	ND	91.2	70-130			
Pyrene	0.231	0.020	"	0.200	ND	116	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.5	60-130			
Surrogate: Anthracene-d10	190		"	200		96.4	60-130			
Surrogate: Pyrene-d10	240		"	200		120	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.5	60-130			

Matrix Spike Dup (B3J2328-MSD1)		Source: Y310515-01			Prepared: 10/23/2023 Analyzed: 10/28/2023					
1-Methylnaphthalene	0.188	0.002	mg/kg	0.200	ND	93.8	70-130	3.28	20	
2-Methylnaphthalene	0.184	0.002	"	0.200	ND	92.0	70-130	0.658	20	
Acenaphthene	0.196	0.020	"	0.200	ND	98.1	70-130	1.12	20	
Anthracene	0.185	0.020	"	0.200	ND	92.4	70-130	6.40	20	
Benzo (a) anthracene	0.165	0.005	"	0.200	ND	82.6	70-130	9.51	20	
Benzo (a) pyrene	0.201	0.020	"	0.200	ND	101	70-130	0.628	20	
Benzo (b) fluoranthene	0.214	0.020	"	0.200	ND	107	70-130	3.00	20	
Benzo (g,h,i) perylene	0.203	0.020	"	0.200	ND	101	70-130	0.0477	20	
Benzo (k) fluoranthene	0.177	0.020	"	0.200	ND	88.6	70-130	3.24	20	
Chrysene	0.184	0.020	"	0.200	ND	91.8	70-130	1.65	20	
Dibenz (a,h) anthracene	0.198	0.020	"	0.200	ND	99.0	70-130	1.32	20	
Fluoranthene	0.184	0.020	"	0.200	ND	92.0	70-130	5.02	20	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3J2328 - EPA 3580

Matrix Spike Dup (B3J2328-MSD1)		Source: Y310515-01			Prepared: 10/23/2023 Analyzed: 10/28/2023					
Fluorene	0.194	0.020	mg/kg	0.200	ND	97.0	70-130	0.605	20	
Indeno (1,2,3-cd) pyrene	0.222	0.020	"	0.200	ND	111	70-130	23.4	20	QR-02
Naphthalene	0.195	0.002	"	0.200	ND	97.4	70-130	2.15	20	
Phenanthrene	0.191	0.020	"	0.200	ND	95.4	70-130	4.45	20	
Pyrene	0.229	0.020	"	0.200	ND	115	70-130	0.930	20	
Surrogate: Fluorene-d10	200		ug/kg	200		97.9	60-130			
Surrogate: Anthracene-d10	190		"	200		96.3	60-130			
Surrogate: Pyrene-d10	240		"	200		119	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.7	60-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3J2511 - Saturated Paste Metals

Blank (B3J2511-BLK1)

Prepared: 10/25/2023 Analyzed: 10/26/2023

SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

Duplicate (B3J2511-DUP1)

Source: Y310558-05

Prepared: 10/25/2023 Analyzed: 10/26/2023

SAR	ND	0.0100	SAR	1.96					200	
Calcium PPM	15.2	10.0	mg/L	15.6				2.40	50	
Magnesium PPM	2.52	10.0	"	2.52				0.00	50	
Sodium PPM	32.9	10.0	"	31.6				3.97	50	

Batch B3J2515 - DTPA Sorbitol Preparation

Blank (B3J2515-BLK1)

Prepared: 10/25/2023 Analyzed: 10/26/2023

Boron	ND	0.100	mg/L							
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Duplicate (B3J2515-DUP1)

Source: Y310559-02

Prepared: 10/25/2023 Analyzed: 10/26/2023

Boron	0.415	0.101	mg/L	0.413				0.426	50	
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Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J2518 - Saturated Paste pH/EC										
Blank (B3J2518-BLK1)					Prepared: 10/25/2023 Analyzed: 10/26/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3J2518-DUP1)					Source: Y310558-05 Prepared: 10/25/2023 Analyzed: 10/26/2023					
pH	8.23		pH Units		8.23			0.00	25	
Specific Conductance (EC)	0.340	0.00500	mmhos/cm		0.366			7.40	25	

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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Total Metals by 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2518196 - SW846 3060A										
BLANK (1205563369-BLK)					Prepared: 11/05/2023 Analyzed: 11/06/2023					
Hexavalent Chromium	ND	0.387	mg/kg				-			U
LCS (1205563370-BKS)					Prepared: 11/05/2023 Analyzed: 11/06/2023					
Hexavalent Chromium	3.90	0.390	mg/kg	3.90		99.8	80-120			
DUP (1205563371 D)					Source: 642969005 Prepared: 11/05/2023 Analyzed: 11/06/2023					
Hexavalent Chromium	ND	0.406	mg/kg dry		<0.162		0-50	N/A	50	U
MS (1205563372 S)					Source: 642969005 Prepared: 11/05/2023 Analyzed: 11/06/2023					
Hexavalent Chromium	3.74	0.406	mg/kg dry	4.06	<0.162	89.9	75-125			
DUP (1205563373 D)					Source: 643438004 Prepared: 11/05/2023 Analyzed: 11/06/2023					
Hexavalent Chromium	ND	0.357	mg/kg dry		<0.143		0-50	N/A	50	U
MS (1205563374 S)					Source: 643438004 Prepared: 11/05/2023 Analyzed: 11/06/2023					
Hexavalent Chromium	2.32	0.357	mg/kg dry	3.57	<0.143	65	75-125			
ILCS (1205563375-ILCS)					Prepared: 11/05/2023 Analyzed: 11/06/2023					
Hexavalent Chromium	6.04	0.298	mg/kg	6.03		100	80-120			

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

Notes and Definitions

- Ua Sample is Non-Detect.
- U Result not detected above the detection limit
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



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October 27, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Schmidt #25-7F

Project Number - [none]

Attached are your analytical results for Noble - Schmidt #25-7F received by Origins Laboratory, Inc. October 20, 2023. This project is associated with Origins project number Y310570-01.

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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-GW-04	Y310570-01	Water	October 20, 2023 9:25	10/20/2023 12:41

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: YB10570 Client: Eagle
 Client Project ID: Schmidt #25-7F
 Checklist Completed by: TST/ELH Shipped Via: HL
 Date/time completed: 10/20/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1, 5 °C / _____ °C / _____ °C (Describe)
 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⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		/		
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)	/			NC
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 10/20/23

Origins Laboratory, Inc.

Jefe Pellegrini

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-GW-04

10/20/2023 9:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310570-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J2026	HKS	10/20/2023	10/21/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	HKS	"	"	U
Benzene	ND	1.00	"	"	"	HKS	"	"	U
Ethylbenzene	ND	1.00	"	"	"	HKS	"	"	U
Naphthalene	ND	2.00	"	"	"	HKS	"	"	U
Toluene	ND	1.00	"	"	"	HKS	"	"	U
Xylenes, total	ND	1.00	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	98.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.9 %	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2026 - EPA 5030B (Water)

Blank (B3J2026-BLK1)

Prepared: 10/20/2023 Analyzed: 10/21/2023

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	103		70-130			
Surrogate: Toluene-d8	62		"	62.5	98.9		70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5	94.0		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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2026 - EPA 5030B (Water)

LCS (B3J2026-BS1)

Prepared: 10/20/2023 Analyzed: 10/21/2023

1,2,4-Trimethylbenzene	47.2	2.00	ug/L	50.0		94.3	70-130			
1,3,5-Trimethylbenzene	46.6	2.00	"	50.0		93.2	70-130			
Benzene	49.1	1.00	"	50.0		98.3	70-130			
Ethylbenzene	48.6	1.00	"	50.0		97.1	70-130			
m,p-Xylene	93.3	2.00	"	100		93.3	70-130			
Naphthalene	46.6	2.00	"	50.0		93.2	70-130			
o-Xylene	47.6	1.00	"	50.0		95.3	70-130			
Toluene	46.2	1.00	"	50.0		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2026 - EPA 5030B (Water)

Matrix Spike (B3J2026-MS1)	Source: Y310469-02			Prepared: 10/20/2023 Analyzed: 10/21/2023						
1,2,4-Trimethylbenzene	50.5	2.00	ug/L	50.0	5.62	89.8	70-130			
1,3,5-Trimethylbenzene	47.0	2.00	"	50.0	1.74	90.6	70-130			
Benzene	46.6	1.00	"	50.0	ND	93.2	70-130			
Ethylbenzene	47.9	1.00	"	50.0	0.140	95.6	70-130			
m,p-Xylene	92.4	2.00	"	100	0.740	91.6	70-130			
Naphthalene	38.4	2.00	"	50.0	1.48	73.9	70-130			
o-Xylene	46.3	1.00	"	50.0	0.350	92.0	70-130			
Toluene	44.0	1.00	"	50.0	ND	88.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		98.6	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2026 - EPA 5030B (Water)

Matrix Spike Dup (B3J2026-MSD1)	Source: Y310469-02			Prepared: 10/20/2023 Analyzed: 10/21/2023						
1,2,4-Trimethylbenzene	52.9	2.00	ug/L	50.0	5.62	94.6	70-130	4.60	20	
1,3,5-Trimethylbenzene	48.1	2.00	"	50.0	1.74	92.7	70-130	2.19	20	
Benzene	48.9	1.00	"	50.0	ND	97.8	70-130	4.79	20	
Ethylbenzene	48.4	1.00	"	50.0	0.140	96.6	70-130	1.06	20	
m,p-Xylene	93.9	2.00	"	100	0.740	93.1	70-130	1.63	20	
Naphthalene	45.9	2.00	"	50.0	1.48	88.9	70-130	17.8	20	
o-Xylene	47.6	1.00	"	50.0	0.350	94.5	70-130	2.68	20	
Toluene	45.4	1.00	"	50.0	ND	90.8	70-130	3.11	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.0	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



October 30, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Schmidt #25-7F

Project Number - [none]

Attached are your analytical results for Noble - Schmidt #25-7F received by Origins Laboratory, Inc. October 23, 2023. This project is associated with Origins project number Y310619-01.

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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-GW-05	Y310619-01	Water	October 23, 2023 9:30	10/23/2023 14:30
FL-GW-06	Y310619-02	Water	October 23, 2023 9:40	10/23/2023 14:30
FL-GW-07	Y310619-03	Water	October 23, 2023 9:50	10/23/2023 14:30
FL-GW-08	Y310619-04	Water	October 23, 2023 10:00	10/23/2023 14:30

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4310619

Client: Eagle

Client Project ID: Schmidt #25-07F

Checklist Completed by: EHS

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

Date/time completed: 10/23/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 10 °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⁾ ?		/		SD
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		/		
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)	/			NC
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 10/24/23

Origins Laboratory, Inc.

[Signature]

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-GW-05

10/23/2023 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310619-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J2432	ZZZ	10/24/2023	10/25/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	ZZZ	"	"	U
Benzene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Naphthalene	ND	2.00	"	"	"	ZZZ	"	"	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130			"	"	"	
Surrogate: Toluene-d8	91.2 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	114 %	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-GW-06

10/23/2023 9:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310619-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J2432	ZZZ	10/24/2023	10/25/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	ZZZ	"	"	U
Benzene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Naphthalene	ND	2.00	"	"	"	ZZZ	"	"	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	90.7 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	113 %	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-GW-07

10/23/2023 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310619-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J2432	ZZZ	10/24/2023	10/25/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	ZZZ	"	"	U
Benzene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Naphthalene	ND	2.00	"	"	"	ZZZ	"	"	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	90.5 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	113 %	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

FL-GW-08

10/23/2023 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310619-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J2432	ZZZ	10/24/2023	10/25/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	ZZZ	"	"	U
Benzene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Naphthalene	ND	2.00	"	"	"	ZZZ	"	"	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	90.2 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	114 %	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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2432 - EPA 5030B (Water)

Blank (B3J2432-BLK1)

Prepared: 10/24/2023 Analyzed: 10/24/2023

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	103		70-130			
Surrogate: Toluene-d8	63		"	62.5	100		70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5	108		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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2432 - EPA 5030B (Water)

LCS (B3J2432-BS1)

Prepared: 10/24/2023 Analyzed: 10/24/2023

1,2,4-Trimethylbenzene	55.6	2.00	ug/L	50.0		111	70-130			
1,3,5-Trimethylbenzene	58.0	2.00	"	50.0		116	70-130			
Benzene	56.5	1.00	"	50.0		113	70-130			
Ethylbenzene	53.2	1.00	"	50.0		106	70-130			
m,p-Xylene	111	2.00	"	100		111	70-130			
Naphthalene	49.9	2.00	"	50.0		99.8	70-130			
o-Xylene	55.8	1.00	"	50.0		112	70-130			
Toluene	54.4	1.00	"	50.0		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.4	70-130			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2432 - EPA 5030B (Water)

Matrix Spike (B3J2432-MS1)	Source: Y310593-01			Prepared: 10/24/2023 Analyzed: 10/24/2023						
1,2,4-Trimethylbenzene	57.6	2.00	ug/L	50.0	ND	115	70-130			
1,3,5-Trimethylbenzene	61.4	2.00	"	50.0	ND	123	70-130			
Benzene	55.7	1.00	"	50.0	ND	111	70-130			
Ethylbenzene	57.6	1.00	"	50.0	ND	115	70-130			
m,p-Xylene	118	2.00	"	100	ND	118	70-130			
Naphthalene	47.3	2.00	"	50.0	ND	94.6	70-130			
o-Xylene	59.8	1.00	"	50.0	ND	120	70-130			
Toluene	58.0	1.00	"	50.0	ND	116	70-130			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.6	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		93.4	70-130			

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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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Batch B3J2432 - EPA 5030B (Water)

Matrix Spike Dup (B3J2432-MSD1)	Source: Y310593-01			Prepared: 10/24/2023 Analyzed: 10/24/2023						
1,2,4-Trimethylbenzene	56.4	2.00	ug/L	50.0	ND	113	70-130	2.12	20	
1,3,5-Trimethylbenzene	62.4	2.00	"	50.0	ND	125	70-130	1.62	20	
Benzene	58.5	1.00	"	50.0	ND	117	70-130	4.80	20	
Ethylbenzene	55.9	1.00	"	50.0	ND	112	70-130	2.98	20	
m,p-Xylene	115	2.00	"	100	ND	115	70-130	2.45	20	
Naphthalene	52.5	2.00	"	50.0	ND	105	70-130	10.5	20	
o-Xylene	57.5	1.00	"	50.0	ND	115	70-130	3.94	20	
Toluene	56.7	1.00	"	50.0	ND	113	70-130	2.35	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.6	70-130			

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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

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.

Jordan A. Bynon, Project Manager



November 13, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Schmidt #25-7F

Project Number - [none]

Attached are your analytical results for Noble - Schmidt #25-7F received by Origins Laboratory, Inc. November 02, 2023. This project is associated with Origins project number Y311068-01.

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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@2'	Y311068-01	Soil	October 19, 2023 14:20	11/02/2023 15:45

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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

Sample Receipt Checklist

Origins Work Order: YB110028 Client: Eagle
 Client Project ID: Schmidt #25-7F

Checklist Completed by: EHS Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 11/2/23 Airbill #: N/A

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

Cooler Number/Temperature: 1 3.5 °C 1 °C 1 °C 1 °C

Thermometer ID: 7004

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"/>			
Is there ice present (document if blue ice is used)	<input checked="" 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"/>			
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"/>			
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" 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"/>			
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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	<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 JN (Project Manager) Date/Time Reviewed 11-16-23

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Background-01@2'
10/19/2023 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311068-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.71	0.499	meq/L	10	[CALC]	KAP	11/06/2023	11/07/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	1.93	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.44		pH Units	1	B3K0624	EAL	11/06/2023	11/07/2023
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SAR by 20B Saturated Paste

SAR	1.72	0.0100	SAR	1	B3K0616	KAP	11/06/2023	11/07/2023
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Table 915 metals by EPA 6020B

Arsenic	1.89	0.0904	mg/kg	10	B3K0320	CIH	11/03/2023	11/07/2023
Barium	51.3	9.04	"	"	"	CIH	"	"
Cadmium	0.146	0.0904	"	"	"	CIH	"	"
Copper	ND	9.04	"	"	"	CIH	"	"
Lead	ND	9.04	"	"	"	CIH	"	"
Nickel	ND	9.04	"	"	"	CIH	"	"
Selenium	0.108	0.0904	"	"	"	CIH	"	"
Silver	ND	0.0904	"	"	"	CIH	"	"
Zinc	ND	90.4	"	"	"	CIH	"	"

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Metals by EPA 6000/7000 Series Methods - 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 B3K0320 - EPA 3050B

Blank (B3K0320-BLK1)

Prepared: 11/03/2023 Analyzed: 11/07/2023

Arsenic	ND	0.000100	mg/kg							
Barium	ND	0.0100	"							
Cadmium	ND	0.000100	"							
Copper	ND	0.0100	"							
Lead	ND	0.0100	"							
Nickel	ND	0.0100	"							
Selenium	ND	0.000100	"							
Silver	ND	0.000100	"							
Zinc	ND	0.100	"							

LCS (B3K0320-BS1)

Prepared: 11/03/2023 Analyzed: 11/07/2023

Arsenic	0.0484	0.000100	mg/kg	0.0500		96.8	80-120			
Barium	5.09	0.0100	"	5.00		102	80-120			
Cadmium	0.0514	0.000100	"	0.0500		103	80-120			
Copper	0.528	0.0100	"	0.500		106	80-120			
Lead	0.0514	0.0100	"	0.0500		103	80-120			
Nickel	0.0500	0.0100	"	0.0500		100	80-120			
Selenium	0.0505	0.000100	"	0.0500		101	80-120			
Silver	0.0510	0.000100	"	0.0500		102	80-120			
Zinc	0.517	0.100	"	0.500		103	80-120			

Matrix Spike (B3K0320-MS1)

Source: Y311056-01

Prepared: 11/03/2023 Analyzed: 11/07/2023

Arsenic	6.18	0.0850	mg/kg	4.25	2.81	79.4	75-125			
Barium	483	8.50	"	425	73.8	96.3	75-125			
Cadmium	4.34	0.0850	"	4.25	0.103	99.8	75-125			
Copper	50.8	8.50	"	42.5	8.47	99.5	75-125			
Lead	10.2	8.50	"	4.25	8.11	48.3	75-125			QM-07

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0320 - EPA 3050B										
Matrix Spike (B3K0320-MS1)			Source: Y311056-01			Prepared: 11/03/2023 Analyzed: 11/07/2023				
Nickel	12.3	8.50	mg/kg	4.25	11.0	30.4	75-125			QM-07
Selenium	3.96	0.0850	"	4.25	0.158	89.3	75-125			
Silver	4.31	0.0850	"	4.25	0.0449	100	75-125			
Zinc	68.5	85.0	"	42.5	33.6	82.0	75-125			
Matrix Spike Dup (B3K0320-MSD1)			Source: Y311056-01			Prepared: 11/03/2023 Analyzed: 11/07/2023				
Arsenic	7.92	0.0950	mg/kg	4.75	2.81	108	75-125	24.7	20	QR-02
Barium	544	9.50	"	475	73.8	98.9	75-125	11.7	20	
Cadmium	4.95	0.0950	"	4.75	0.103	102	75-125	13.1	20	
Copper	56.7	9.50	"	47.5	8.47	101	75-125	11.0	20	
Lead	11.1	9.50	"	4.75	8.11	63.8	75-125	9.17	20	QM-07
Nickel	11.6	9.50	"	4.75	11.0	13.6	75-125	5.40	20	QM-07
Selenium	4.48	0.0950	"	4.75	0.158	91.0	75-125	12.5	20	
Silver	4.87	0.0950	"	4.75	0.0449	102	75-125	12.3	20	
Zinc	75.1	95.0	"	47.5	33.6	87.4	75-125	9.28	20	

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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

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 B3K0616 - Saturated Paste Metals

Blank (B3K0616-BLK1)

Prepared: 11/06/2023 Analyzed: 11/07/2023

Calcium PPM	ND	10.0	mg/L							
SAR	ND	0.0100	SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

Duplicate (B3K0616-DUP1)

Source: Y311034-03

Prepared: 11/06/2023 Analyzed: 11/07/2023

Calcium PPM	49.7	10.0	mg/L		46.1			7.60	50	
SAR	ND	0.0100	SAR		22.3				200	
Magnesium PPM	50.1	10.0	mg/L		46.4			7.61	50	
Sodium PPM	987	10.0	"		897			9.52	50	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Schmidt #25-7F

Saturated Paste - 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 B3K0624 - Saturated Paste pH/EC

Duplicate (B3K0624-DUP1)		Source: Y311034-03			Prepared: 11/06/2023 Analyzed: 11/07/2023					
pH	8.38		pH Units		8.37			0.119	25	

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Schmidt #25-7F

Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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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