

Wellhead Closure Checklist

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

Additional attachments (optional): <u> </u>		Pit Closure <u> </u>		Tank Battery Closure <u> </u>		Flowline Closure: <u> </u>		Partially Buried Vault Closure <u> </u>	
Site Name & COGCC Facility Number: Meyer USX CC#07-17		Date: 11/17/23				Remediation Project #: 30818			
Associated Wells: 05-123-24358		Age of Site: years				Number of Photos Attached: 6			
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple)						40.330454 / -104.475385			
Estimated Facility Size (acres): <u> </u>									
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)									
Good condition									
USCS Soil Type: Silty SAND					Estimated Depth to Groundwater: >20'				
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)									
None 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									
Wellhead(s)									
Well API	05-123-24358								
Age	years								
Condition of surface around wellhead	Good - No odor/no staining								
PID Readings	WH-N: 0.7	WH-E: 1.0	WH-S: 0.6	WH-W: 0.5					
Condition of subsurface (staining present)	Good - No odor/no staining								
PID Readings	1.7	1.5	1.2	1.0	1.1				
Sample taken? Location/Sample ID#	WH-SS-01	WH-SS-02	WH-SS-03	WH-SS-04	WH-FS-01				
Photo Number(s)	See photo log								
Other observations regarding wellheads:									
Summary									
Was impacted soil identified? <input checked="" type="radio"/> No Yes - less than 10 cubic yards Yes - more than 10 cubic yards									
Total number of samples field screened: 9				Total number of samples collected: 9					
Highest PID Reading: 1.7				Total number of samples submitted to lab for analysis: 1					
If more than 10 cubic yards of impacted soil were observed:									
Vertical extent:				Estimated spill volume:					
N/A									
Lateral extent:				Volume of soil removed:					
Is additional investigation required?									
Was groundwater encountered during the investigation? <input checked="" type="radio"/> No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils									
Measured depth to groundwater:				Was remedial groundwater removal conducted? Yes No					
Date Groundwater was encountered:				Commencement date of removal:					
Sheen on groundwater? Yes No				Volume of groundwater removed prior to sampling:					
Free product observed? Yes No				Volume of groundwater removed post sampling:					
Total number of samples collected:				Total Volume of groundwater removed:					
Total number of samples submitted to lab for analysis:									



FIGURES

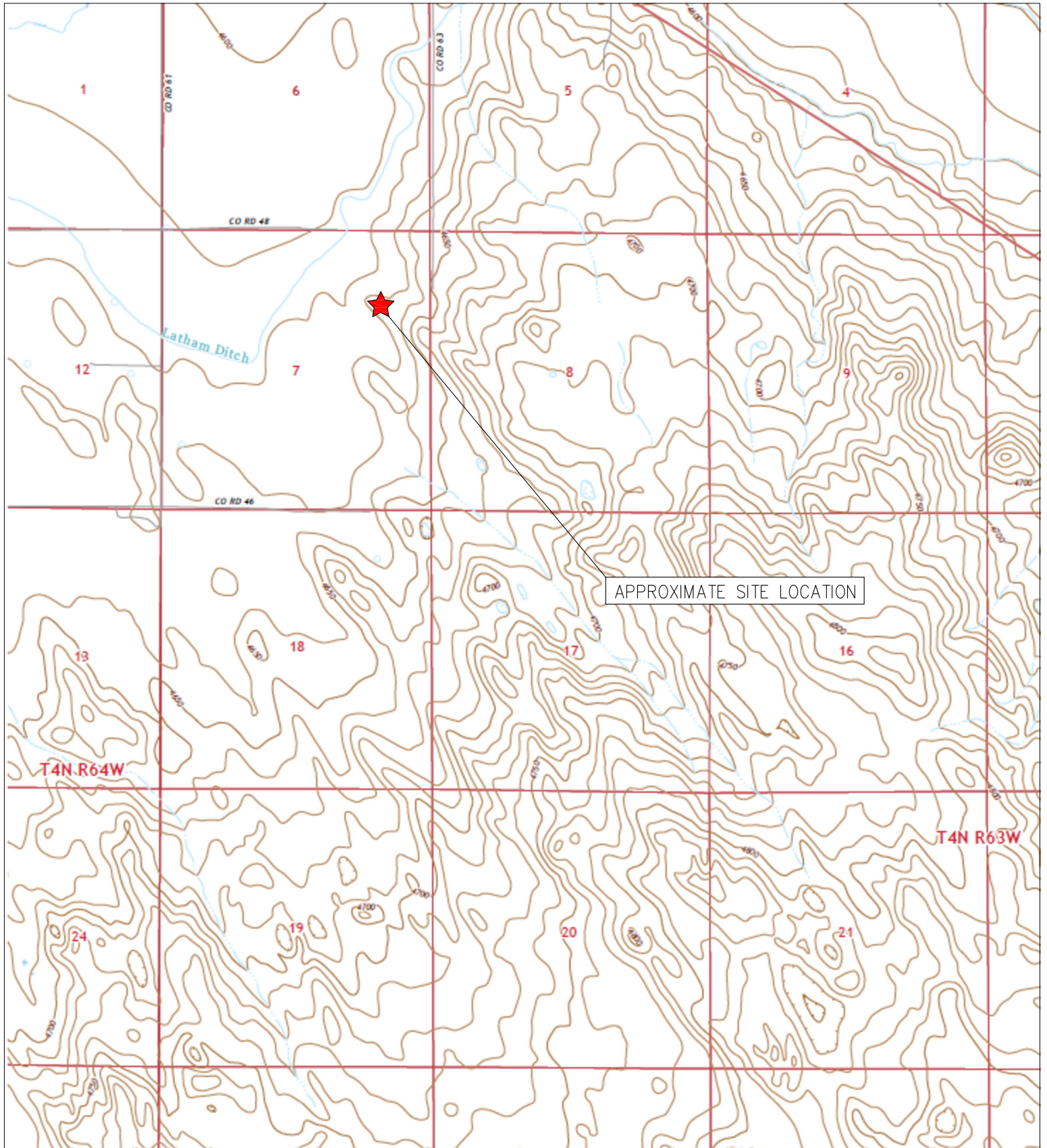
Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Sample Location Map

Figure 4: Soil Analytical Map

Figure 5: Metals in Soil Map



APPROXIMATE SITE LOCATION



TOPOGRAPHIC SITE LOCATION MAP
 MEYER USX CC #7-17
 CLOSURE ASSESSMENT
 40.330454 / -104.475385
 NE¼ NE¼ SEC. T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-24358
 REMEDIATION # 31818



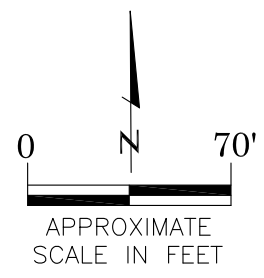
EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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



LEGEND

- FORMER KARCH BLUE D #12-11 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION (REMOVED)



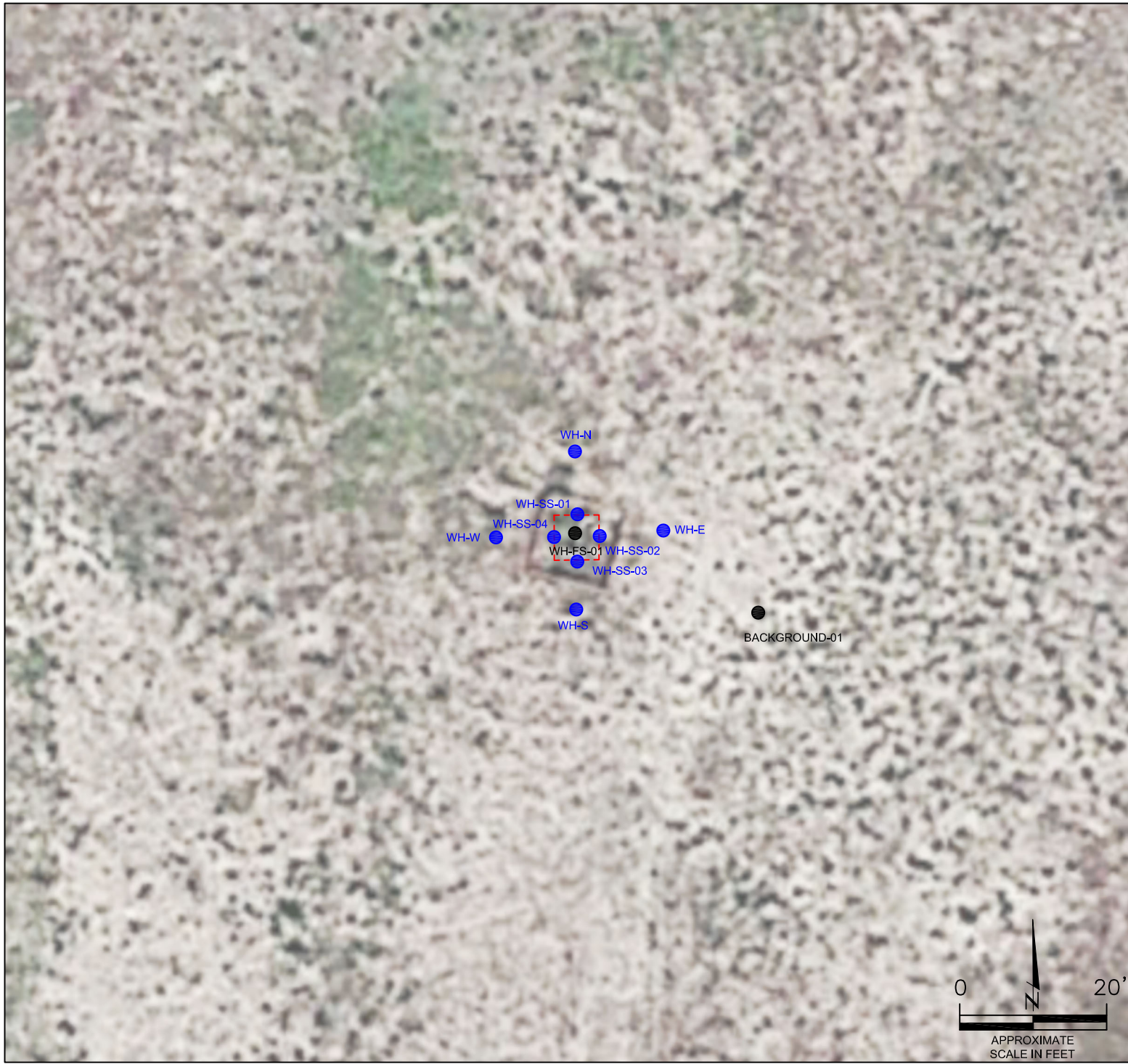
AERIAL SITE LOCATION MAP
 MEYER USX CC #7-17
 CLOSURE ASSESSMENT
 40.330454 / -104.475385
 NE¼ NE¼ SEC. T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-24358
 REMEDIATION # 31818

FIGURE NO.
2

DRAWN BY:
RS

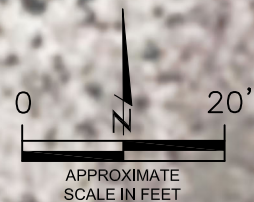


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LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS



SAMPLE LOCATION MAP
 MEYER USX CC #7-17
 CLOSURE ASSESSMENT
 40.330454 / -104.475385
 NE¼ NE¼ SEC. T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-24358
 REMEDIATION # 31818

FIGURE NO.
3

DRAWN BY:
RS



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LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- 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)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (mg/kg)

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

(BRL) = ALL VALUES BELOW REGULATORY LIMITS

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.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

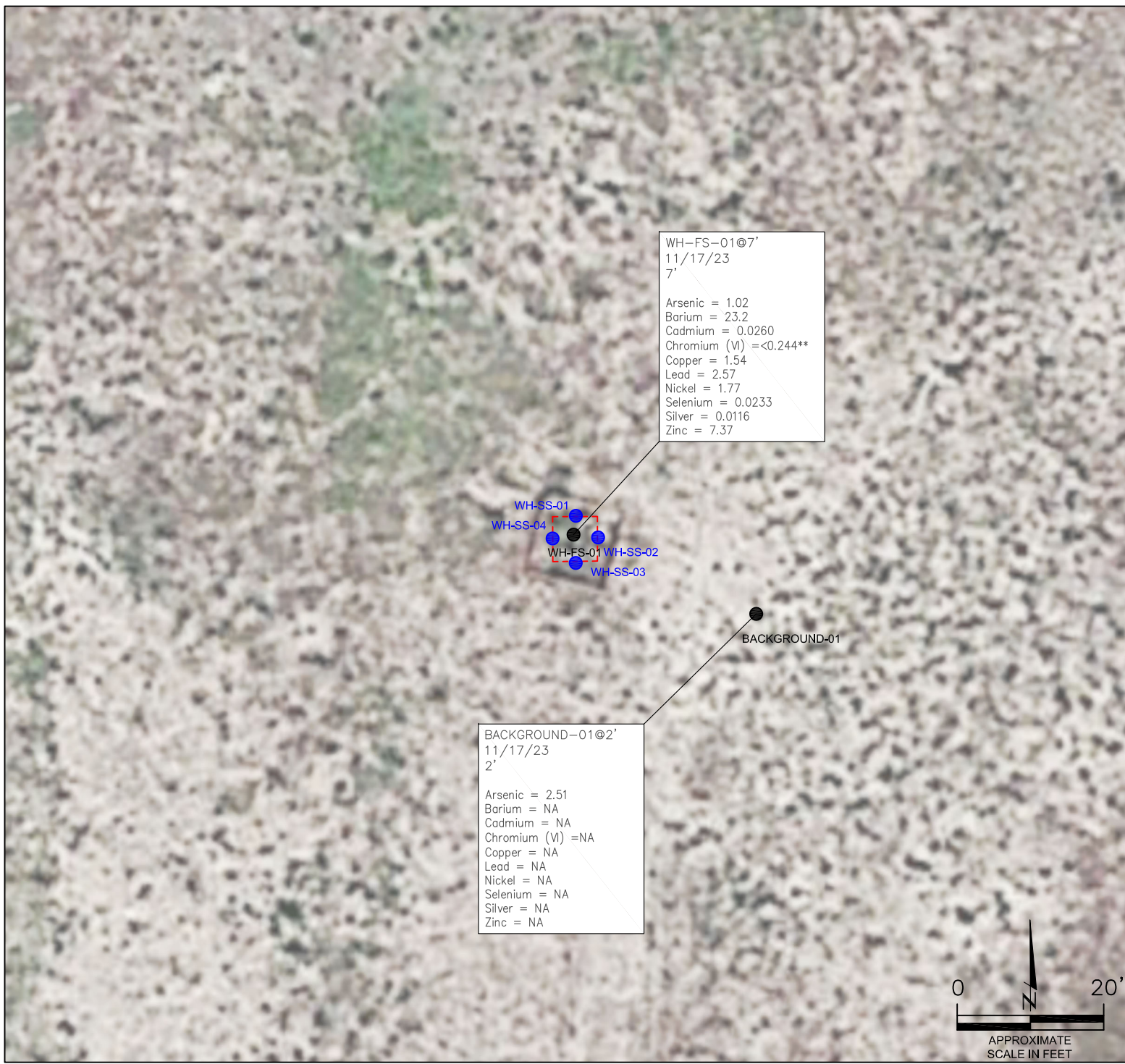
SOIL ANALYTICAL MAP
 MEYER USX CC #7-17
 CLOSURE ASSESSMENT
 40.330454 / -104.475385
 NE 1/4 NE 1/4 SEC. T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-24358
 REMEDIATION # 31818

FIGURE NO.
4

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WH-FS-01@7'
11/17/23
7'

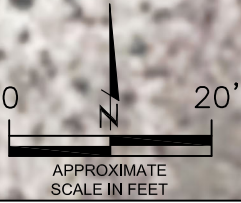
Arsenic = 1.02
Barium = 23.2
Cadmium = 0.0260
Chromium (VI) = <0.244**
Copper = 1.54
Lead = 2.57
Nickel = 1.77
Selenium = 0.0233
Silver = 0.0116
Zinc = 7.37

WH-SS-01
WH-SS-04
WH-FS-01
WH-SS-02
WH-SS-03

BACKGROUND-01

BACKGROUND-01@2'
11/17/23
2'

Arsenic = 2.51
Barium = NA
Cadmium = NA
Chromium (VI) = NA
Copper = NA
Lead = NA
Nickel = NA
Selenium = NA
Silver = NA
Zinc = NA



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- 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

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 AND BACKGROUND COMPARISON, WHERE APPLICABLE.

*VALUES EXCEED ECMC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS, ONLY.

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

ARSENIC IS NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVEL IS 1.25*BACKGROUND

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

METALS IN SOIL MAP
MEYER USX CC #7-17
CLOSURE ASSESSMENT
40.330454 / -104.475385
NE¼ NE¼ SEC. T4N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-24358
REMEDIAION # 31818

FIGURE NO.
5

DRAWN BY:
RS

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TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
MEYER USX CC #7-17
CLOSURE ASSESSMENT
40.330454 / -104.475385
NE¼ NE¼ SEC. T4N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-24358
REMEDIACTION # 31818

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-FS-01 @ 7' (40.330455/-104.475373)	11/17/23	7	1.1	Y
WH-SS-01 @ 6' (40.330466 / -104.475370)	11/17/23	6	1.7	N
WH-SS-02 @ 6' (40.330455 / -104.475363)	11/17/23	6	1.5	N
WH-SS-03 @ 6' (40.330448 / -104.475373)	11/17/23	6	1.2	N
WH-SS-04 @ 6' (40.330459 / -104.475384)	11/17/23	6	1.0	N
WH-N @ 0.5' (40.330478/-104.475365)	11/17/23	0.5	0.7	N
WH-E @ 0.5' (40.330446/-104.475344)	11/17/23	0.5	1.0	N
WH-S @ 0.5' (40.330429/-104.475382)	11/17/23	0.5	0.6	N
WH-W @ 0.5' (40.330458/-104.475413)	11/17/23	0.5	0.5	N
BG-01 @ 2' (40.330429/-104.475289)	11/17/23	2	1.1	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector				



TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
MEYER USX CC #7-17
CLOSURE ASSESSMENT
40.330454 / -104.475385
NE¼ NE¼ SEC. T4N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-24358
REMEDATION # 31818

Sample Location (Latitude / Longitude)		WH-FS-01 @ 7'		BG-01 @ 2'	
		(40.330455/-104.475373)		(40.330429/-104.475289)	
Sample Date		11/17/2023		11/17/2023	
Sample Depth		7		2	
PID Reading (ppm-v)		1.1		1.1	
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
Toluene	mg/kg	490	0.69	--	<0.00200
Ethylbenzene	mg/kg	5.8	0.78	--	<0.00200
Total Xylenes	mg/kg	58	9.9	--	<0.00200
Naphthalene	mg/kg	2	0.0038	--	<0.00380
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	--	<0.00200
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	--	<0.00200
TOTAL PETROLEUM HYDROCARBONS					
TPH-GRO	mg/kg	500	--	--	<0.200
TPH-DRO	mg/kg	500	--	--	<25.0
TPH-RRO	mg/kg	500	--	--	<100
POLYCYCLIC AROMATIC HYDROCARBONS					
1-Methyl-naphthalene	mg/kg	18	0.006	--	<0.002
2-Methyl-naphthalene	mg/kg	24	0.019	--	<0.002
Acenaphthene	mg/kg	360	0.55	--	<0.020
Anthracene	mg/kg	1800	5.8	--	<0.020
Benzo(a)-anthracene	mg/kg	1.1	0.011	--	<0.005
Benzo(a)-pyrene	mg/kg	0.11	0.24	--	<0.020
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	--	<0.020
Benzo(k)-fluoranthene	mg/kg	11	2.9	--	<0.020
Chrysene	mg/kg	110	9	--	<0.020
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	--	<0.020
Fluoranthene	mg/kg	240	8.9	--	<0.020
Fluorene	mg/kg	240	0.54	--	<0.020
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	--	<0.020
Pyrene	mg/kg	180	1.3	--	<0.020
SOIL SUITABILITY (Inorganics)					
Boron	mg/L	2	--	--	<0.102
pH	standard unit	6-8.3	--	--	8.24
Sodium Adsorption Ratio (SAR)	--	<6	--	--	0.164
Specific Conductance (EC)	mmhos/cm	<4	--	--	0.120
METALS					
Arsenic	mg/kg	0.68***	0.29***	3.14	1.02
Barium	mg/kg	15000	82	--	23.2
Cadmium	mg/kg	71	0.38	--	0.0260
Copper	mg/kg	3100	46	--	1.54
Lead	mg/kg	400	14	--	2.57
Nickel	mg/kg	1500	26	--	1.77
Selenium	mg/kg	390	0.26	--	0.0233
Silver	mg/kg	390	0.8	--	0.0116
Zinc	mg/kg	23000	370	--	7.37
Hexavalent Chromium	mg/kg	0.3**	0.00067**	0.1 to 1.0**	<0.244**
ECMC = Energy & Carbon Management Commission NA - Not Analyzed VOCs - Volatile Organic Compounds mg/kg = milligrams per kilogram 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-RRO = 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. Arsenic is naturally occurring in Colorado. The Local Clean-up Level is 1.25*Background					



ATTACHMENT A

Photo Log

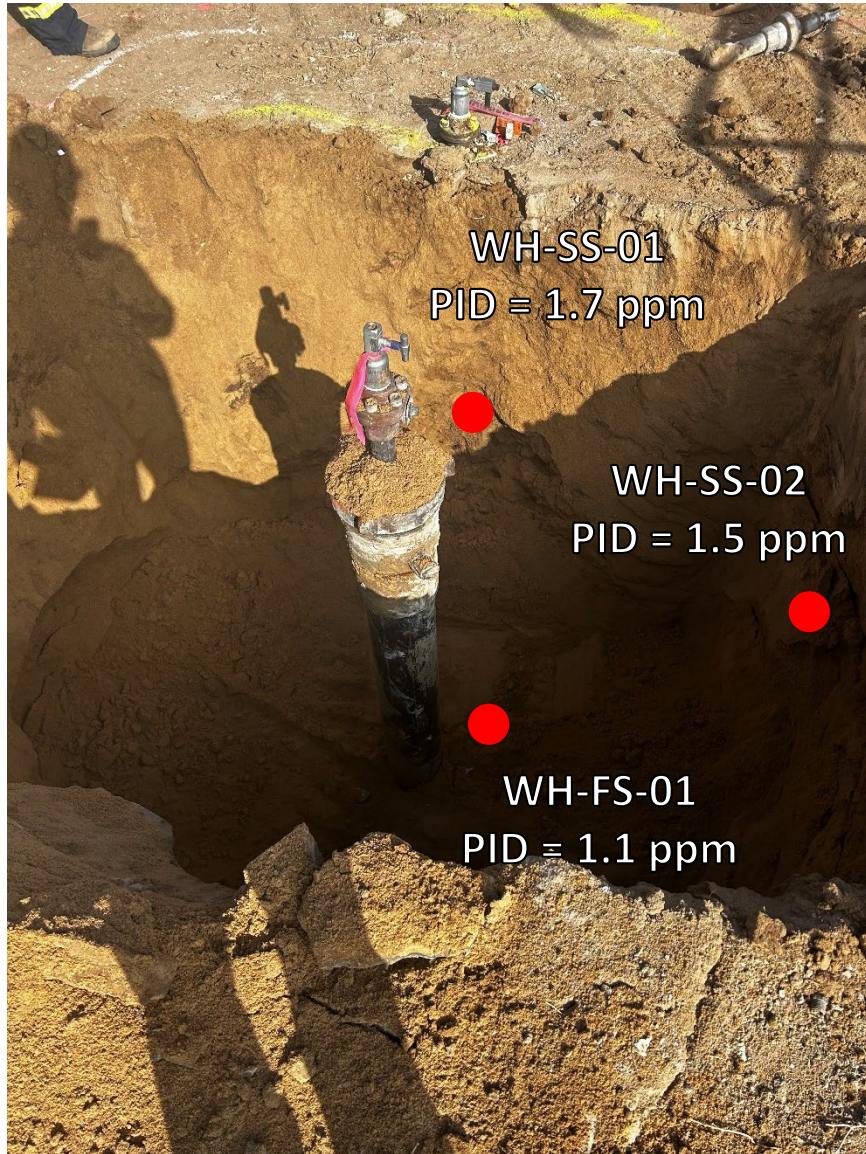
Meyer USX CC #7-17
API # 05-123-24358
Remediation # 31818

Closure Assessment

November 2023



Wellhead Excavation – 11/17/23



Looking north

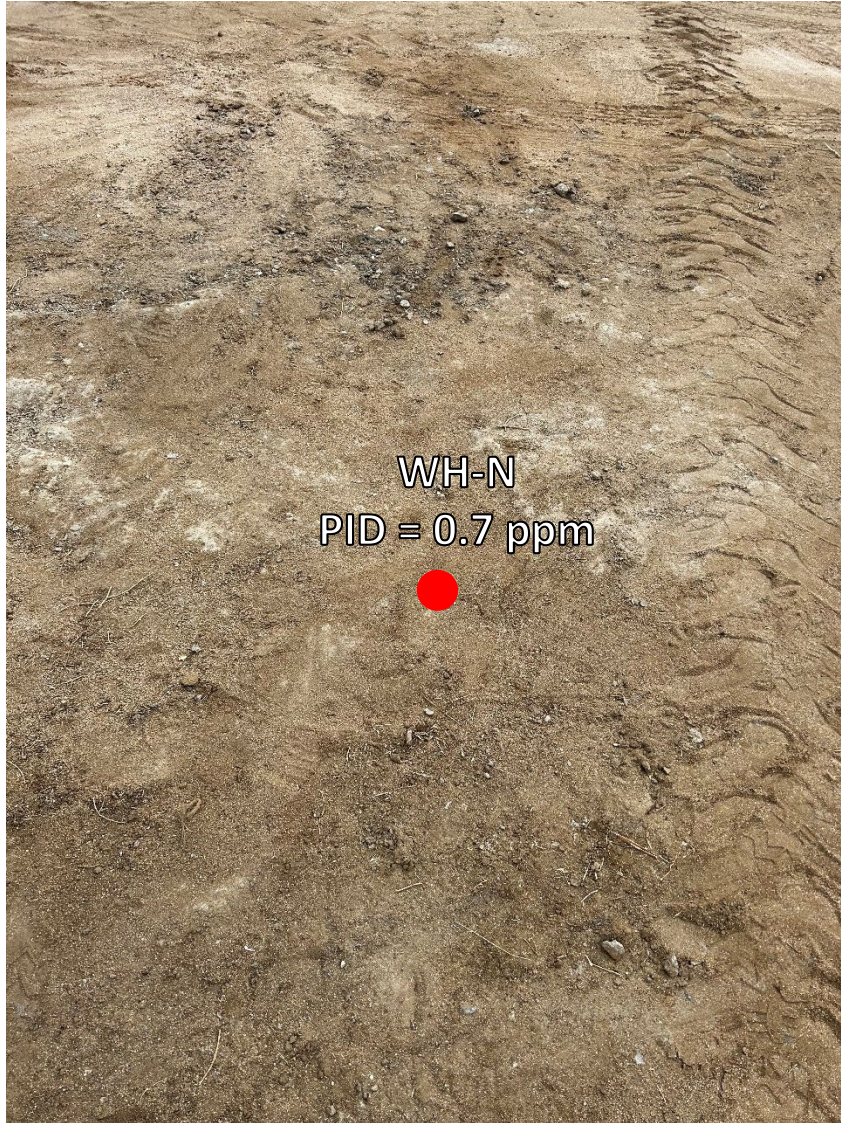
No petroleum hydrocarbon staining or odor observed



Looking west

No petroleum hydrocarbon staining or odor observed

Wellhead Surface – 11/17/23



Looking north

Site in good condition – no petroleum hydrocarbon staining or odor
Observed on surface around wellhead



Looking east

Site in good condition – no petroleum hydrocarbon staining or odor
Observed on surface around wellhead

Wellhead Surface – 11/17/23



Looking south

Site in good condition – no petroleum hydrocarbon staining or odor
Observed on surface around wellhead



Looking west

Site in good condition – no petroleum hydrocarbon staining or odor
Observed on surface around wellhead



ATTACHMENT B

Laboratory Analytical Report

December 11, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Meyer USX CC #7-17

Project Number - [none]

Attached are your analytical results for Noble - Meyer USX CC #7-17 received by Origins Laboratory, Inc. November 17, 2023. This project is associated with Origins project number Y311469-01.

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



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

Andrew Newberry
Project Number: [none]
Project: Noble - Meyer USX CC #7-17

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@7'	Y311469-01	Soil	November 17, 2023 10:43	11/17/2023 14:20

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 - Meyer USX CC #7-17

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4311469 Client: Eagle
 Client Project ID: Meyer USX CC 7-17
 Checklist Completed by: EHS/AGW Shipped Via: HD
 Date/time completed: 11/17/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 117 °C 1 °C 1 °C (Describe) _____ °C
 Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ^{(1)?}		<input checked="" type="checkbox"/>		<u>SD</u>
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 (Project Manager) [Signature]

Date/Time Reviewed 11/20/23

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 - Meyer USX CC #7-17

WH-FS-01@7'
11/17/2023 10:43:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y311469-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.102	mg/L	1	B3K2012	11/20/2023	11/21/2023	
-------	----	--	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3K2003	11/20/2023	11/20/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.1 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3K1724	11/17/2023	11/19/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

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.

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

WH-FS-01@7'
11/17/2023 10:43:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311469-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	94.0 %		70-130			B3K17 24	11/17/2023	11/19/2023	
Surrogate: Toluene-d8	93.2 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.7 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.827		0.499	meq/L	10	[CALC]	11/18/2023	11/20/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3K2024	11/20/2023	11/27/2023	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 (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U

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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

WH-FS-01@7'
11/17/2023 10:43:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311469-01 (Soil)

PAH by EPA 8270E

Fluoranthene	ND		0.020	mg/kg	1	B3K2024	11/20/2023	11/27/2023	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102 %		60-130			"	"	"	
Surrogate: Anthracene-d10	92.2 %		60-130			"	"	"	
Surrogate: Pyrene-d10	101 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	95.7 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.24			pH Units	1	B3K1805	11/18/2023	11/20/2023	
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SAR by 20B Saturated Paste

SAR	0.164		0.0100	SAR	1	B3K1802	11/18/2023	11/20/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.120		0.00500	mmhos/cm	1	B3K1805	11/18/2023	11/20/2023	
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Table 915 metals by EPA 6020B

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 Project: Noble - Meyer USX CC #7-17

WH-FS-01@7'

11/17/2023 10:43:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311469-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.02	0.000895	0.000895	mg/kg	10	B3K2712	11/27/2023	11/29/2023	
Barium	23.2	0.0895	0.0895	"	"	"	"	"	
Cadmium	0.0260	0.000895	0.000895	"	"	"	"	"	
Copper	1.54	0.0895	0.0895	"	"	"	"	"	
Lead	2.57	0.0895	0.0895	"	"	"	"	"	
Nickel	1.77	0.0895	0.0895	"	"	"	"	"	
Selenium	0.0233	0.000895	0.000895	"	"	"	"	"	
Silver	0.0116	0.000895	0.000895	"	"	"	"	"	
Zinc	7.37	0.895	0.895	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L718583	11/17/2023	11/22/2023	
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Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K1724 - EPA 5030 (soil)

Blank (B3K1724-BLK1)

Prepared: 11/17/2023 Analyzed: 11/18/2023

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	0.091		"	0.125	73.0		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	92.4		70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	90.4		70-130			

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K1724 - EPA 5030 (soil)

LCS (B3K1724-BS1)

Prepared: 11/17/2023 Analyzed: 11/18/2023

1,2,4-Trimethylbenzene	0.100	0.00200	mg/kg	0.100		100	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100		101	70-130			
Benzene	0.0988	0.00200	"	0.100		98.8	70-130			
Ethylbenzene	0.0972	0.00200	"	0.100		97.2	70-130			
Naphthalene	0.113	0.00380	"	0.100		113	70-130			
Toluene	0.0926	0.00200	"	0.100		92.6	70-130			
o-Xylene	0.101	0.00200	"	0.100		101	70-130			
m,p-Xylene	0.192	0.00400	"	0.200		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.093		"	0.125		74.1	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		90.3	70-130			

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K1724 - EPA 5030 (soil)

Matrix Spike (B3K1724-MS1)	Source: Y311436-01			Prepared: 11/17/2023 Analyzed: 11/18/2023						
1,2,4-Trimethylbenzene	0.0875	0.00200	mg/kg	0.100	ND	87.5	70-130			
1,3,5-Trimethylbenzene	0.0878	0.00200	"	0.100	ND	87.8	70-130			
Benzene	0.0852	0.00200	"	0.100	ND	85.2	70-130			
Ethylbenzene	0.0865	0.00200	"	0.100	ND	86.5	70-130			
Naphthalene	0.0961	0.00380	"	0.100	0.00144	94.7	70-130			
Toluene	0.0807	0.00200	"	0.100	ND	80.7	70-130			
o-Xylene	0.0791	0.00200	"	0.100	ND	79.1	70-130			
m,p-Xylene	0.160	0.00400	"	0.200	ND	79.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.092		"	0.125		73.3	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		92.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.9	70-130			

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 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K1724 - EPA 5030 (soil)

Matrix Spike Dup (B3K1724-MSD1)	Source: Y311436-01		Prepared: 11/17/2023 Analyzed: 11/18/2023							
1,2,4-Trimethylbenzene	0.0882	0.00200	mg/kg	0.100	ND	88.2	70-130	0.797	20	
1,3,5-Trimethylbenzene	0.0879	0.00200	"	0.100	ND	87.9	70-130	0.0455	20	
Benzene	0.0880	0.00200	"	0.100	ND	88.0	70-130	3.26	20	
Ethylbenzene	0.0876	0.00200	"	0.100	ND	87.6	70-130	1.29	20	
Naphthalene	0.101	0.00380	"	0.100	0.00144	99.5	70-130	4.89	20	
Toluene	0.0842	0.00200	"	0.100	ND	84.2	70-130	4.27	20	
o-Xylene	0.0798	0.00200	"	0.100	ND	79.8	70-130	0.906	20	
m,p-Xylene	0.161	0.00400	"	0.200	ND	80.5	70-130	0.861	20	
Surrogate: 1,2-Dichloroethane-d4	0.094		"	0.125		74.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		90.6	70-130			

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 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K2003 - EPA 3550B										
Blank (B3K2003-BLK1)										
					Prepared: 11/20/2023 Analyzed: 11/20/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		91.8	50-150			

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Jordan A. Bynon, Project Manager

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K2003 - EPA 3550B

LCS (B3K2003-BS1)

Prepared: 11/20/2023 Analyzed: 11/20/2023

Diesel (C10-C28)	933	50.0	mg/kg	1000		93.3	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000		101	70-130			
Surrogate: o-Terphenyl	44		"	49.8		88.3	50-150			

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K2003 - EPA 3550B

Matrix Spike (B3K2003-MS1)	Source: Y311469-01			Prepared: 11/20/2023 Analyzed: 11/20/2023						
Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	70-130			
Residual Range Organics (C28-C40)	1140	200	"	1000	ND	114	70-130			
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K2003 - EPA 3550B										
Matrix Spike Dup (B3K2003-MSD1)		Source: Y311469-01			Prepared: 11/20/2023 Analyzed: 11/20/2023					
Diesel (C10-C28)	864	50.0	mg/kg	1000	ND	86.4	70-130	15.4	35	
Residual Range Organics (C28-C40)	936	200	"	1000	ND	93.6	70-130	19.3	35	
Surrogate: o-Terphenyl	42		"	49.8		83.7	50-150			

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 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K2712 - EPA 3050B

Blank (B3K2712-BLK1)

Prepared: 11/27/2023 Analyzed: 11/29/2023

Arsenic	ND	0.0100	mg/kg							
Barium	ND	1.00	"							
Cadmium	ND	0.0100	"							
Copper	ND	1.00	"							
Lead	ND	1.00	"							
Nickel	ND	0.100	"							
Selenium	ND	0.0100	"							
Silver	ND	0.0100	"							
Zinc	ND	1.00	"							

LCS (B3K2712-BS1)

Prepared: 11/27/2023 Analyzed: 12/06/2023

Arsenic	5.11	0.0100	mg/kg	5.00		102	80-120			
Barium	529	1.00	"	500		106	80-120			
Cadmium	5.13	0.0100	"	5.00		103	80-120			
Copper	54.6	1.00	"	50.0		109	80-120			
Lead	4.96	1.00	"	5.00		99.3	80-120			
Nickel	5.30	0.100	"	5.00		106	80-120			
Selenium	4.46	0.0100	"	5.00		89.2	80-120			
Silver	5.22	0.0100	"	5.00		104	80-120			
Zinc	50.9	1.00	"	50.0		102	80-120			

Matrix Spike (B3K2712-MS1)

Source: Y311466-01

Prepared: 11/27/2023 Analyzed: 11/29/2023

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K2712 - EPA 3050B

Matrix Spike (B3K2712-MS1)		Source: Y311466-01			Prepared: 11/27/2023 Analyzed: 11/29/2023					
Arsenic	8.54	0.0923	mg/kg	4.62	1.92	143	75-125			QM-07
Barium	564	9.23	"	462	41.1	113	75-125			
Cadmium	4.51	0.0923	"	4.62	0.0446	96.8	75-125			
Copper	50.4	9.23	"	46.2	2.37	104	75-125			
Lead	11.4	9.23	"	4.62	3.30	175	75-125			QM-07
Nickel	9.77	0.923	"	4.62	3.74	131	75-125			QM-07
Selenium	4.22	0.0923	"	4.62	0.0670	89.9	75-125			
Silver	4.58	0.0923	"	4.62	0.0152	98.9	75-125			
Zinc	60.7	9.23	"	46.2	12.6	104	75-125			
Matrix Spike Dup (B3K2712-MSD1)		Source: Y311466-01			Prepared: 11/27/2023 Analyzed: 11/29/2023					
Arsenic	6.16	0.0906	mg/kg	4.53	1.92	93.4	75-125	32.5	20	QR-DUP
Barium	506	9.06	"	453	41.1	103	75-125	10.8	20	
Cadmium	3.96	0.0906	"	4.53	0.0446	86.4	75-125	13.1	20	
Copper	47.9	9.06	"	45.3	2.37	100	75-125	5.19	20	
Lead	7.46	9.06	"	4.53	3.30	91.8	75-125	41.4	20	QR-DUP
Nickel	7.69	0.906	"	4.53	3.74	87.2	75-125	23.9	20	QR-DUP
Selenium	3.77	0.0906	"	4.53	0.0670	81.7	75-125	11.1	20	
Silver	4.02	0.0906	"	4.53	0.0152	88.3	75-125	13.1	20	
Zinc	49.7	9.06	"	45.3	12.6	81.9	75-125	20.0	20	

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K2024 - EPA 3580

Blank (B3K2024-BLK1)

Prepared: 11/20/2023 Analyzed: 11/27/2023

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		102	60-130			
Surrogate: Anthracene-d10	190		"	200		95.9	60-130			
Surrogate: Pyrene-d10	190		"	200		93.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.7	60-130			

LCS (B3K2024-BS1)

Prepared: 11/20/2023 Analyzed: 11/27/2023

1-Methylnaphthalene	0.203	0.002	mg/kg	0.200		101	70-130			
2-Methylnaphthalene	0.192	0.002	"	0.200		95.8	70-130			
Acenaphthene	0.189	0.020	"	0.200		94.4	70-130			
Anthracene	0.197	0.020	"	0.200		98.4	70-130			

Origins Laboratory, Inc.



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Andrew Newberry
 Project Number: [none]
 Project: Noble - Meyer USX CC #7-17

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 B3K2024 - EPA 3580

LCS (B3K2024-BS1)

Prepared: 11/20/2023 Analyzed: 11/27/2023

Benzo (a) anthracene	0.181	0.005	mg/kg	0.200		90.3	70-130			
Benzo (a) pyrene	0.194	0.020	"	0.200		97.0	70-130			
Benzo (b) fluoranthene	0.186	0.020	"	0.200		93.2	70-130			
Benzo (g,h,i) perylene	0.198	0.020	"	0.200		99.0	70-130			
Benzo (k) fluoranthene	0.180	0.020	"	0.200		89.8	70-130			
Chrysene	0.181	0.020	"	0.200		90.6	70-130			
Dibenz (a,h) anthracene	0.180	0.020	"	0.200		90.0	70-130			
Fluoranthene	0.196	0.020	"	0.200		97.9	70-130			
Fluorene	0.197	0.020	"	0.200		98.3	70-130			
Indeno (1,2,3-cd) pyrene	0.173	0.020	"	0.200		86.5	70-130			
Naphthalene	0.195	0.002	"	0.200		97.4	70-130			
Phenanthrene	0.180	0.020	"	0.200		90.2	70-130			
Pyrene	0.170	0.020	"	0.200		85.2	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	190		"	200		94.8	60-130			
Surrogate: Pyrene-d10	180		"	200		92.4	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Matrix Spike (B3K2024-MS1)

Source: Y311186-02

Prepared: 11/20/2023 Analyzed: 11/27/2023

1-Methylnaphthalene	0.195	0.010	mg/kg	0.200	ND	97.5	70-130			
2-Methylnaphthalene	0.188	0.010	"	0.200	ND	94.0	70-130			
Acenaphthene	0.194	0.100	"	0.200	0.004	95.4	70-130			
Anthracene	0.201	0.100	"	0.200	0.009	95.9	70-130			
Benzo (a) anthracene	0.247	0.025	"	0.200	0.070	88.7	70-130			
Benzo (a) pyrene	0.331	0.100	"	0.200	0.095	118	70-130			
Benzo (b) fluoranthene	0.305	0.100	"	0.200	0.101	102	70-130			
Benzo (g,h,i) perylene	0.355	0.100	"	0.200	0.158	98.7	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 - Meyer USX CC #7-17

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 B3K2024 - EPA 3580

Matrix Spike (B3K2024-MS1)		Source: Y311186-02			Prepared: 11/20/2023 Analyzed: 11/27/2023					
Benzo (k) fluoranthene	0.238	0.100	mg/kg	0.200	0.047	95.5	70-130			
Chrysene	0.267	0.100	"	0.200	0.082	92.7	70-130			
Dibenz (a,h) anthracene	0.224	0.100	"	0.200	0.018	103	70-130			
Fluoranthene	0.344	0.100	"	0.200	0.133	105	70-130			
Fluorene	0.195	0.100	"	0.200	ND	97.5	70-130			
Indeno (1,2,3-cd) pyrene	0.283	0.100	"	0.200	0.118	82.6	70-130			QM-07
Naphthalene	0.194	0.010	"	0.200	ND	96.9	70-130			
Phenanthrene	0.212	0.100	"	0.200	0.028	92.1	70-130			
Pyrene	0.289	0.100	"	0.200	0.103	93.1	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	190		"	200		93.2	60-130			
Surrogate: Pyrene-d10	180		"	200		91.6	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

Matrix Spike Dup (B3K2024-MSD1)		Source: Y311186-02			Prepared: 11/20/2023 Analyzed: 11/27/2023					
1-Methylnaphthalene	0.197	0.010	mg/kg	0.200	ND	98.6	70-130	1.15	20	
2-Methylnaphthalene	0.195	0.010	"	0.200	ND	97.6	70-130	3.80	20	
Acenaphthene	0.200	0.100	"	0.200	0.004	98.4	70-130	3.09	20	
Anthracene	0.182	0.100	"	0.200	0.009	86.5	70-130	9.75	20	
Benzo (a) anthracene	0.279	0.025	"	0.200	0.070	104	70-130	11.9	20	
Benzo (a) pyrene	0.323	0.100	"	0.200	0.095	114	70-130	2.64	20	
Benzo (b) fluoranthene	0.315	0.100	"	0.200	0.101	107	70-130	3.29	20	
Benzo (g,h,i) perylene	0.340	0.100	"	0.200	0.158	91.1	70-130	4.33	20	
Benzo (k) fluoranthene	0.239	0.100	"	0.200	0.047	95.8	70-130	0.325	20	
Chrysene	0.302	0.100	"	0.200	0.082	110	70-130	12.2	20	
Dibenz (a,h) anthracene	0.209	0.100	"	0.200	0.018	95.5	70-130	7.05	20	
Fluoranthene	0.416	0.100	"	0.200	0.133	141	70-130	19.1	20	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 - Meyer USX CC #7-17

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 B3K2024 - EPA 3580

Matrix Spike Dup (B3K2024-MSD1)	Source: Y311186-02			Prepared: 11/20/2023 Analyzed: 11/27/2023						
Fluorene	0.204	0.100	mg/kg	0.200	ND	102	70-130	4.45	20	
Indeno (1,2,3-cd) pyrene	0.279	0.100	"	0.200	0.118	80.8	70-130	1.30	20	QM-07
Naphthalene	0.195	0.010	"	0.200	ND	97.6	70-130	0.722	20	
Phenanthrene	0.268	0.100	"	0.200	0.028	120	70-130	23.2	20	QM-07
Pyrene	0.338	0.100	"	0.200	0.103	117	70-130	15.5	20	
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	190		"	200		92.8	60-130			
Surrogate: Pyrene-d10	180		"	200		92.0	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.5	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 - Meyer USX CC #7-17

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 B3K1802 - Saturated Paste Metals

Blank (B3K1802-BLK1)

Prepared: 11/18/2023 Analyzed: 11/20/2023

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

Duplicate (B3K1802-DUP1)

Source: Y311439-01

Prepared: 11/18/2023 Analyzed: 11/20/2023

Calcium PPM	56.0	10.0	mg/L		57.7			3.06	50	
SAR	ND	0.0100	SAR		1.01				200	
Magnesium PPM	16.4	10.0	mg/L		15.8			4.04	50	
Sodium PPM	36.8	10.0	"		33.5			9.40	50	

Batch B3K2012 - DTPA Sorbitol Preparation

Blank (B3K2012-BLK1)

Prepared: 11/20/2023 Analyzed: 11/21/2023

Boron	ND	0.100	mg/L							
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Duplicate (B3K2012-DUP1)

Source: Y311409-02

Prepared: 11/20/2023 Analyzed: 11/21/2023

Boron	3.25	0.0998	mg/L		2.86			13.0	50	
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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 - Meyer USX CC #7-17

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K1805 - Saturated Paste pH/EC										
Blank (B3K1805-BLK1)					Prepared: 11/18/2023 Analyzed: 11/20/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3K1805-DUP1)					Source: Y311439-01					
					Prepared: 11/18/2023 Analyzed: 11/20/2023					
pH	8.08		pH Units		8.14			0.740	25	
Specific Conductance (EC)	0.598	0.00500	mmhos/cm		0.569			4.97	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 - Meyer USX CC #7-17

Total Metals by 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L718583 -										
DUP (L 84277-DUP)		Source: 84277			Prepared: Analyzed: 11/22/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
MS (L 84277-MS)		Source: 84277			Prepared: Analyzed: 11/22/2023					
Chromium, Hexavalent	36.5	2.5	mg/Kg	38.5	<1.22	95	75-125			
LCS (LCS)		Prepared: Analyzed: 11/22/2023								
Chromium, Hexavalent	7.09	0.5	mg/Kg	8		89	75-125			
LRB (LRB)		Prepared: Analyzed: 11/22/2023								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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 - Meyer USX CC #7-17

Notes and Definitions

U Sample is Non-Detect.

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

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.



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.

January 15, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Meyer USX CC #7-17

Project Number - [none]

Attached are your analytical results for Noble - Meyer USX CC #7-17 received by Origins Laboratory, Inc. December 13, 2023. This project is associated with Origins project number Y312410-01.

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



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

Andrew Newberry
Project Number: [none]
Project: Noble - Meyer USX CC #7-17

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@2'	Y312410-01	Soil	November 17, 2023 10:45	12/13/2023 11:40

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 - Meyer USX CC #7-17

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y312410

Client: Eagle

Client Project ID: Meyer USX CC #7-17

Checklist Completed by: TJH

Shipped Via: HD

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

Date/time completed: 12/13/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 2 °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⁾ ?	<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 HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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: TJH (Project Manager)

Date/Time Reviewed: 12-14-23

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 - Meyer USX CC #7-17

Background-01@2'
11/17/2023 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y312410-01 (Soil)

Total Metals by 6020B

Arsenic	2.51	0.0855	0.25	mg/Kg	5	L724503	12/22/2023	01/11/2024	
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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 - Meyer USX CC #7-17

Total Metals by 6020B - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L724503 - 3050B										
MSD (A 68990-MSD-L724503)			Source: 68990			Prepared: 12/22/2023 Analyzed: 01/11/2024				
Arsenic	4.81	0.25	mg/Kg	2.41	1.9	121	75-125	23.8	80	
MS (A 68990-MS-L724503)			Source: 68990			Prepared: 12/22/2023 Analyzed: 01/11/2024				
Arsenic	6.11	0.25	mg/Kg	2.4	1.9	175	75-125			*
LCS (LCS-L724503)						Prepared: 12/22/2023 Analyzed: 01/11/2024				
Arsenic	2.16	0.25	mg/Kg	2.5		86	80-120			
LRB (LRB-L724503)						Prepared: 12/22/2023 Analyzed: 01/11/2024				
Arsenic	ND	0.25	mg/Kg							

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 - Meyer USX CC #7-17

Notes and Definitions

* QC Failure

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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Jordan A. Bynon, Project Manager