

Wellhead Closure Checklist

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

Additional attachments (optional):		Pit Closure —	Tank Battery Closure 1-20-22	Flowline Closure 1-24-22	Partially Buried Vault Closure 1-20-22
Site Name & COGCC Facility Number: LDS White #D17-8		Date: 11-23-21			Remediation Project #: 19270
Associated Wells: 05-123-16314		Age of Site: Years			Number of Photos Attached: 1
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple)				40.227167 / -104.568274	
Estimated Facility Size (acres):					

General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)

Good Condition

USCS Soil Type: SC/CL Estimated Depth to Groundwater: ~10-15'

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	05-123-16314				
Age	Years				
Condition of surface around wellhead	Good - Per Crew				
PID Readings	N/A - Excavated upon arrival				
Condition of subsurface (staining or odor)	Good - no staining / no odor				
PID Readings	7.7	9.4	6.8	11.3	11.7
Sample taken? Location/Sample ID#	WH-SS-01@5'	WH-SS-02@5'	WH-SS-03@5'	WH-SS-04@5'	WH-FS-01@6'
Photo Number(s)	See photolog				

Other observations regarding wellheads:

Riser cut/capped 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:	5	Total number of samples collected:	5	
Highest PID Reading:	11.7	Total number of samples submitted to lab for analysis:	1	
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		
Measured depth to groundwater:		Was remedial groundwater removal conducted?		
		Yes No		
Date Groundwater was encountered:		Commencement date of removal:		
Sheen on groundwater? Yes No		Volume of groundwater removed prior to sampling:		
Free product observed? Yes No		Volume of groundwater removed post sampling:		
Total number of samples collected:		Total Volume of groundwater removed:		
Total number of samples submitted to lab for analysis:				

Flowline Closure Checklist

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

Additional Attachments:	Tank Battery Closure 1-20-22	Wellhead Closure 11-23-21	Pit Closure —	Partially Buried Vault Closure 1-20-22
Site Name & COGCC Facility Number: LDS White #D 17-8		Date: 1-24-22		Remediation Project #: 19270
Associated Wells: 05-123-16314		Age of Site: years		Number of Photos Attached: 19

Starting point: (GPS coordinates and descriptions) At well: 40.227167 / -104.568274

End point: (GPS coordinates and descriptions) At sep: 40.232243 / -104.565580

USCS Soil Type: SC/CL Estimated Depth to Groundwater: ~10-15'

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

Flowlines

Flowline type	O, G, W						
Depth	~3'						
Age	years						
Length	~2040'						
Construction Material	Steel						
Were flowlines pulled?	Yes						
Visual Integrity of lines	Good						
Visual impacts if trenched	None observed						
PID Readings if trenched	21.5						
Sample taken? Location/Sample ID#	TB-SS-04 @ 3'	18 additional cut-points/bellholes field screened - see PID Table					
Photo Number(s)	See photolog						

Other observations regarding on location flowlines:
Terminus / Pt. B at separator collected during facility decomm. (TB-SS-04) associated with Rem. # 19272. 18 additional cut-points assessed.

Summary

Was impacted soil identified?		(No)	Yes - less than 10 cubic yards	Yes - more than 10 cubic yards
Total number of samples field screened:		19	Total number of samples collected: 19	
Highest PID Reading:		21.5	Total number of samples submitted to lab for analysis: 1	
If more than 10 cubic yards of impacted soil were observed:				
Vertical extent:		N/A		Estimated spill volume:
Lateral extent:				Volume of soil removed:
Is additional investigation required?				
Was groundwater encountered during the investigation?		(No)	Yes - not impacted or in contact with impacted soils	Yes - groundwater impacted and/or in contact with impacted soils
Measured depth to groundwater:				Was remedial groundwater removal conducted? Yes No
Date Groundwater was encountered:				Commencement date of removal:
Sheen on groundwater?		Yes	No	Volume of groundwater removed prior to sampling:
Free product observed?		Yes	No	Volume of groundwater removed post sampling:
Total number of samples collected:				Total Volume of groundwater removed:
Total number of samples submitted to lab for analysis:				



FIGURES

Figure 1: Topographic Site Location Map

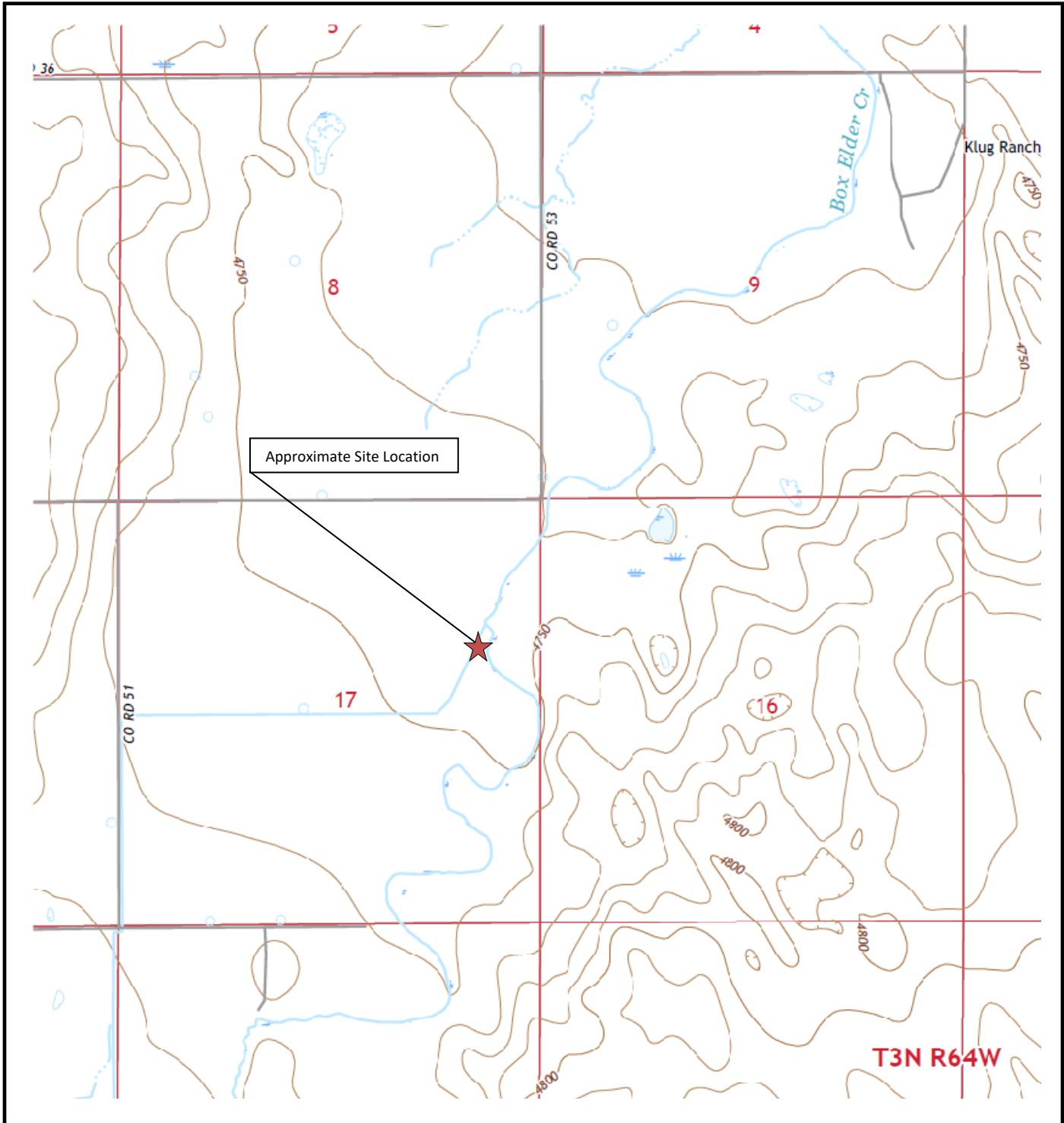
Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map

Figure 5: Soil Analytical Map (Flowline Pt. B)

Figure 6: Polycyclic Aromatic Hydrocarbons Map (Flowline Pt. B)



Topographic Site Location Map

LDS White #D17-8
 Closure Assessment
 40.227167 / -104.568274
 SE¼ NE¼ SEC.17 T3N R64W 6PM
 Weld County, Colorado
 API # 05-123-16314
 Remediation # 19270



EAGLE
 ENVIRONMENTAL
 CONSULTING, INC.

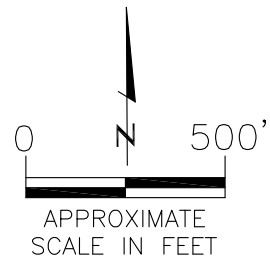
Source: USGS 7.5 Minute Topographic
 Klug Ranch, CO Quadrangle 2019

Figure 1



LEGEND

- FORMER LDS WHITE #D17-8 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE FLOWLINE LOCATION (ABANDONED IN PLACE)
- APPROXIMATE BELLHOLE/CUT POINTS FOR REMOVAL

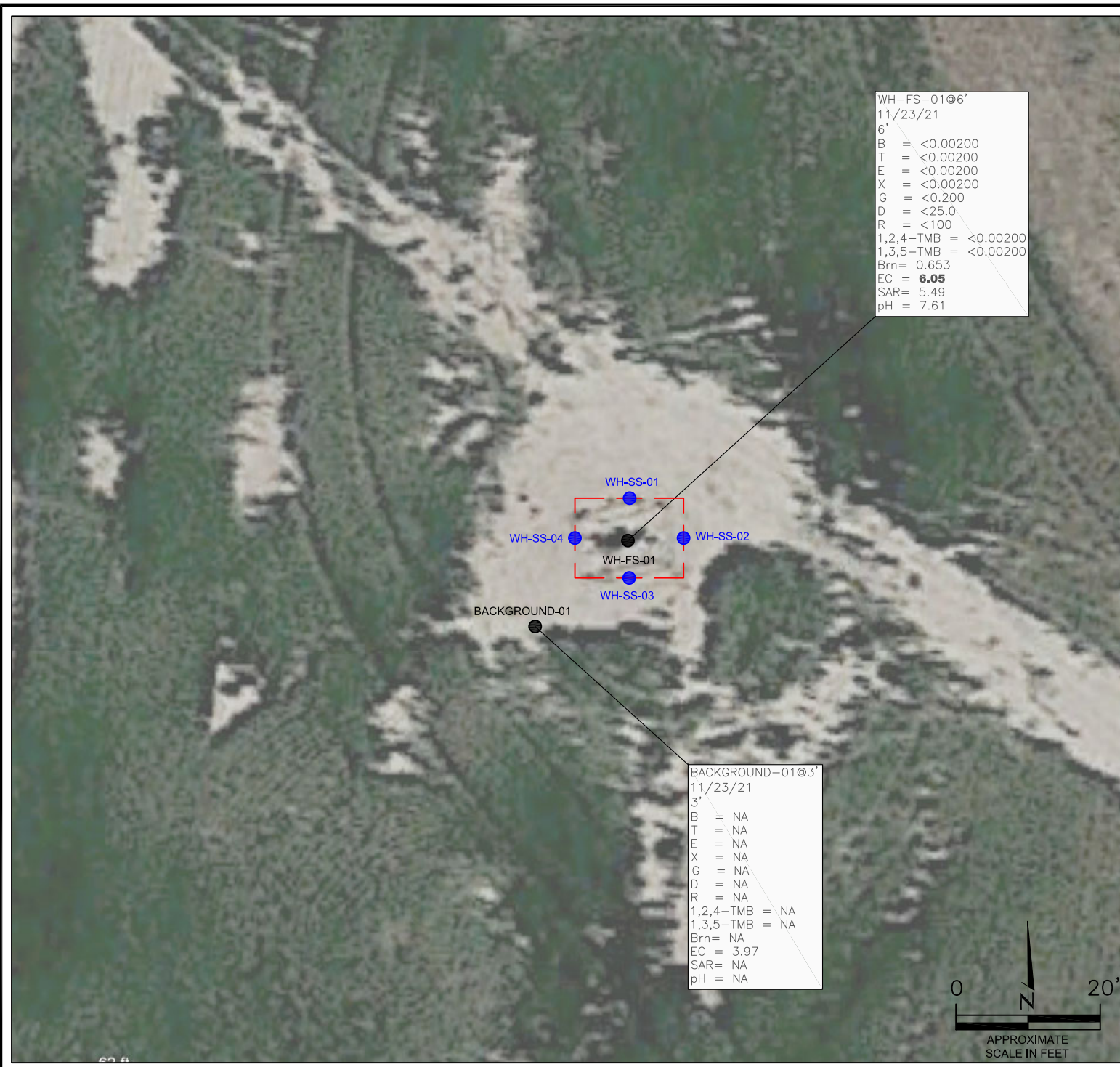


AERIAL SITE LOCATION MAP
 LDS WHITE #D17-8
 CLOSURE ASSESSMENT
 40.227167 / -104.568274
 SE¼ NE¼ SEC.17 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16314
 REMEDIATION # 19270

DATE: 04/27/22	
FIG. NO. 2	DRAWN BY: GEC



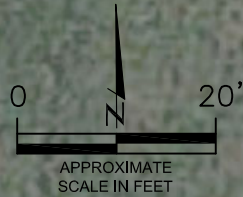
EAGLE
 ENVIRONMENTAL
 CONSULTING, INC.
 8000 W 44th Ave, Wheat Ridge, CO 80033
 Ph: 303-433-0479 • F: 303-325-5449



WH-FS-01@6'
 11/23/21
 6'
 B = <0.00200
 T = <0.00200
 E = <0.00200
 X = <0.00200
 G = <0.200
 D = <25.0
 R = <100
 1,2,4-TMB = <0.00200
 1,3,5-TMB = <0.00200
 Brn = 0.653
 EC = **6.05**
 SAR = 5.49
 pH = 7.61

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

BACKGROUND-01@3'
 11/23/21
 3'
 B = NA
 T = NA
 E = NA
 X = NA
 G = NA
 D = NA
 R = NA
 1,2,4-TMB = NA
 1,3,5-TMB = NA
 Brn = NA
 EC = 3.97
 SAR = NA
 pH = NA



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
- SS-01 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)
 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 = MILLIMHOS PER CENTIMETER

NA - NOT ANALYZED

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** VALUES CONTAIN CONCENTRATIONS THAT EXCEED COGCC TABLE 915-1 REGULATORY LIMITS FOR THAT COMPOUND.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

SOIL ANALYTICAL MAP
 LDS WHITE #D17-8
 CLOSURE ASSESSMENT
 40.227167 / -104.568274
 SE ¼ NE ¼ SEC.17 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16314
 REMEDIATION # 19270

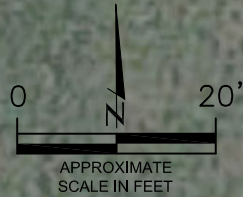
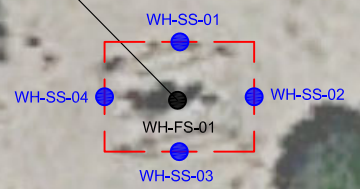
DATE: 04/27/22

DRAWN BY: GEC

FIG. NO. 3

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

WH-FS-01@6'
 11/23/21
 6'
 ND = <0.00067
 1-Methylnaphthalene = 0.00043
 2-Methylnaphthalene = 0.00061
 Acenaphthene = ND
 Anthracene = ND
 Benzo(a)anthracene = ND
 Benzo(a)pyrene = 0.0002
 Benzo(b)fluoranthene = 0.000382
 Benzo(k)fluoranthene = ND
 Chrysene = 0.000816
 Dibenzo(a,h)anthracene = ND
 Fluoranthene = ND
 Fluorene = ND
 Indeno(1,2,3-CD)pyrene = ND
 Naphthalene = ND
 Pyrene = ND



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

PARAMETERS

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

NOTE:
 CONCENTRATIONS PRESENTED IN mg/kg
 mg/kg = MILLIGRAMS PER KILOGRAM
 ND = NON-DETECT

NOTE:
 VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS
 VALUES PRESENTED IN **BOLD** VALUES CONTAIN CONCENTRATIONS EXCEEDING COGCC TABLE 915-1 REGULATORY LIMITS.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

POLYCYCLIC AROMATIC HYDROCARBONS MAP
 LDS WHITE #D17-8
 CLOSURE ASSESSMENT
 40.227167 / -104.568274
 SE¼ NE¼ SEC.17 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16314
 REMEDIATION # 19270

DATE:
 04/27/22
 DRAWN BY:
 GEC
 FIG.
 NO. 4

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



TB-SS-04@3'
 01/20/22
 3'
 B = <0.00200
 T = <0.00200
 E = <0.00200
 X = <0.00200
 G = <0.200
 D = <25.0
 R = <100
 1,2,4-TMB = <0.00200
 1,3,5-TMB = <0.00200
 Brn = <0.201
 EC = 0.291
 SAR = 0.183
 pH = 8.05

LEGEND

● APPROXIMATE LOCATION OF SOIL SAMPLE*
 SS-02 SUBMITTED FOR LABORATORY ANALYSIS

*SAMPLE COLLECTED DURING FACILITY DECOMMISSIONING
 ACTIVITIES ASSOCIATED WITH REMEDIATION # 19272

PARAMETERS

SAMPLE LOCATION
 DATE
 DEPTH (FEET)
 B = BENZENE (mg/kg)
 T = TOLUENE (mg/kg)
 E = ETHYLBENZENE (mg/kg)
 X = TOTAL XYLENES (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 = MILLIMHOS 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

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

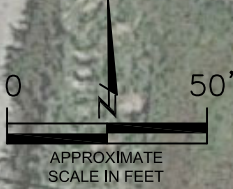
VALUES PRESENTED IN **BOLD** VALUES CONTAIN
 CONCENTRATIONS EXCEEDING COGCC TABLE 915-1
 REGULATORY LIMITS FOR THAT COMPOUND

COGCC = COLORADO OIL AND GAS CONSERVATION
 COMMISSION

SOIL ANALYTICAL MAP
 (FLOWLINE PT. B)
 LDS WHITE #D17-8
 CLOSURE ASSESSMENT
 40.227167 / -104.568274
 SE 1/4 NE 1/4 SEC.17 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16314
 REMEDIATION # 19270

DATE:
 04/27/22
 DRAWN BY:
 GEC
 FIG.
 NO. 5

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



34



TB-SS-04@3'
 01/20/22
 3'
 ND = <0.00067
 1-Methylnaphthalene = ND
 2-Methylnaphthalene = ND
 Acenaphthene = ND
 Anthracene = ND
 Benzo(a)anthracene = ND
 Benzo(a)pyrene = ND
 Benzo(b)fluoranthene = ND
 Benzo(k)fluoranthene = ND
 Chrysene = ND
 Dibenzo(a,h)anthracene = ND
 Fluoranthene = ND
 Fluorene = ND
 Indeno(1,2,3-CD)pyrene = ND
 Naphthalene = ND
 Pyrene = ND

LEGEND

● APPROXIMATE LOCATION OF SOIL SAMPLE*
 SS-02 SUBMITTED FOR LABORATORY ANALYSIS

*SAMPLE COLLECTED DURING FACILITY DECOMMISSIONING
 ACTIVITIES ASSOCIATED WITH REMEDIATION # 19272

PARAMETERS

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

NOTE:
 CONCENTRATIONS PRESENTED IN mg/kg

mg/kg = MILLIGRAMS PER KILOGRAM

ND = NON-DETECT

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

VALUES PRESENTED IN **BOLD** VALUES CONTAIN
 CONCENTRATIONS EXCEEDING COGCC TABLE 915-1
 REGULATORY LIMITS FOR THAT COMPOUND

COGCC - COLORADO OIL AND GAS CONSERVATION COMMISSION

POLYCYCLIC AROMATIC HYDROCARBONS MAP

(FLOWLINE PT. B)
 LDS WHITE #D17-8
 CLOSURE ASSESSMENT
 40.227167 / -104.568274
 SE¼ NE¼ SEC.17 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16314
 REMEDIATION # 19270

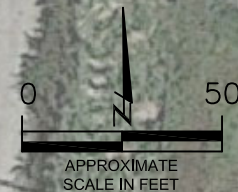
DATE:
 04/27/22

DRAWN BY:
 GEC

FIG.
 NO. 6



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





TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

Table 3: Polycyclic Aromatic Hydrocarbons Analytical Results Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
LDS WHITE #D17-8
CLOSURE ASSESSMENT
40.227167 / -104.568274
SE1/4 NE1/4 SEC.17 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-16314
REMEDATION # 19270

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-SS-01 @ 5' (40.227176 / -104.568266)	11/23/21	5	7.7	N
WH-SS-02 @ 5' (40.227166 / -104.568256)	11/23/21	5	9.4	N
WH-SS-03 @ 5' (40.227156 / -104.568266)	11/23/21	5	6.8	N
WH-SS-04 @ 5' (40.227166 / -104.568276)	11/23/21	5	11.3	N
WH-FS-01 @ 6' (40.227166 / -104.568266)	11/23/21	6	11.7	Y
Background-01 @ 3' (40.227116 / -104.568296)	11/23/21	3	7.6	Y
*TB-SS-04 @ 3' (40.232243 / -104.565580)	01/20/22	3	21.5	Y
FL-SS-01 @ 3' (40.227493 / -104.568043)	01/21/22	3	8.1	N
FL-SS-02 @ 3' (40.227753 / -104.567933)	01/21/22	3	7.3	N
FL-SS-03 @ 3' (40.228017 / -104.567749)	01/21/22	3	3.2	N
FL-SS-04 @ 3' (40.228457 / -104.567523)	01/21/22	3	4.3	N
FL-SS-05 @ 3' (40.228725 / -104.567347)	01/21/22	3	3.7	N
FL-SS-06 @ 3' (40.229006 / -104.567193)	01/21/22	3	4.3	N
FL-SS-07 @ 3' (40.229304 / -104.567024)	01/21/22	3	7.9	N
FL-SS-08 @ 4' (40.229671 / -104.566801)	01/21/22	4	6.1	N
FL-SS-09 @ 5' (40.229965 / -104.566636)	01/21/22	5	9.0	N
FL-SS-10 @ 3' (40.230420 / -104.566372)	01/21/22	3	4.9	N
FL-SS-11 @ 3' (40.230642 / -104.566233)	01/21/22	3	4.6	N
FL-SS-12 @ 3' (40.230866 / -104.566099)	01/24/22	3	0.1	N
FL-SS-13 @ 3' (40.230960 / -104.566048)	01/24/22	3	0.3	N
FL-SS-14 @ 3' (40.231358 / -104.565745)	01/24/22	3	0.3	N
FL-SS-15 @ 3' (40.231698 / -104.565619)	01/24/22	3	0.0	N
FL-SS-16 @ 3' (40.231914 / -104.565696)	01/24/22	3	0.1	N
FL-SS-17 @ 3' (40.232089 / -104.565707)	01/24/22	3	0.1	N

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
LDS WHITE #D17-8
CLOSURE ASSESSMENT
40.227167 / -104.568274
SE1/4 NE1/4 SEC.17 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-16314
REMEDIATION # 19270

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
FL-SS-18 @ 3' (40.232218 / -104.565611)	01/24/22	3	0.6	N
(Y/N) = Yes or No ppm-v = parts per million by volume PID = photoionization detector				
*Sample collected during facility decommissioning activities associated with Rem. # 19272				

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
LDS WHITE #D17-8
CLOSURE ASSESSMENT
40.227167 / -104.568274
SE1/4 NE1/4 SEC.17 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-16314
REMEDIATION # 19270

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-RRO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)	Boron (mg/L)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
COGCC Table 915-1 Residential Screening Levels (mg/kg)				1.20	490	5.8	58	500			30	27	2	<4	6-8.3	<6
COGCC Table 915-1 Protection of Groundwater Soil Screening Levels				0.0026	0.69	0.78	9.9	--			0.0081	0.0087	--	--	--	--
WH-FS-01 @ 6' (40.227176 / -104.568266)	11/23/21	6	11.7	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	0.653	6.05	7.61	5.49
*TB-SS-04 @ 3' (40.232243 / -104.565580)	01/20/22	3	21.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	<0.201	0.291	8.05	0.183
Background-01 @ 3' (40.227116 / -104.568296)	11/23/21	3	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.97	NA	NA

COGCC = Colorado Oil and Gas Conservation Commission *Sample collected during facility decommissioning activities associated with Rem. # 19272
 mg/kg = milligrams per kilogram
 mmhos/cm = millimhos per centimeter
 PID = Photoionization Detector TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics 1,2,4-TMB = 1,2,4-Trimethylbenzene MDL = Minimum Detection Limits
 ppm-v = parts per million by volume TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics 1,3,5-TMB = 1,3,5-Trimethylbenzene
 mg/L = milligrams per liter TPH-RRO = Total Petroleum Hydrocarbons - Residual Range Organics
 SAR = Sodium Adsorption Ratio
 Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory MDL and/or reporting limit.
 Note: Values presented in **BOLD** contained concentrations exceeding COGCC Table 915-1 Regulatory Limits

TABLE 3
POLYCYCLIC AROMATIC HYDROCARBONS ANALYTICAL RESULTS SUMMARY
 LDS WHITE #D17-8
 CLOSURE ASSESSMENT
 40.227167 / -104.568274
 SE1/4 NE1/4 SEC.17 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16314
 REMEDIATION # 19270

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm- v)	1-Methyl- naphthalene (mg/kg)	2-Methyl- naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)- pyrene (mg/kg)	Benzo(b)- fluoranthene (mg/kg)	Benzo(k)- fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)- anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3- cd)-pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
COGCC Table 915-1 Residential Screening Levels				18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
COGCC Table 915-1 Protection of Groundwater Soil Screening Levels				0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	0.0038	1.3
WH-FS-01 @ 6' (40.227176 / -104.568266)	11/23/21	6	11.7	0.00043	0.00061	<0.00067	<0.00067	<0.00067	0.0002	0.000382	<0.00067	0.000816	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
*TB-SS-04 @ 3' (40.232243 / -104.565580)	01/20/22	3	21.5	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067

COGCC = Colorado Oil and Gas Conservation Commission PID = Photoionization Detector *Sample collected during facility decommissioning activities associated with Rem. # 19272
 mg/kg = milligrams per kilogram ppm-v = parts per million by volume
 Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit.
 Note: Values presented in **BOLD** contained concentrations exceeding COGCC Table 915-1 Regulatory Limits



ATTACHMENT A

Photo Log

LDS White #D17-8
API # 05-123-16314
Remediation # 19270

Closure Assessment

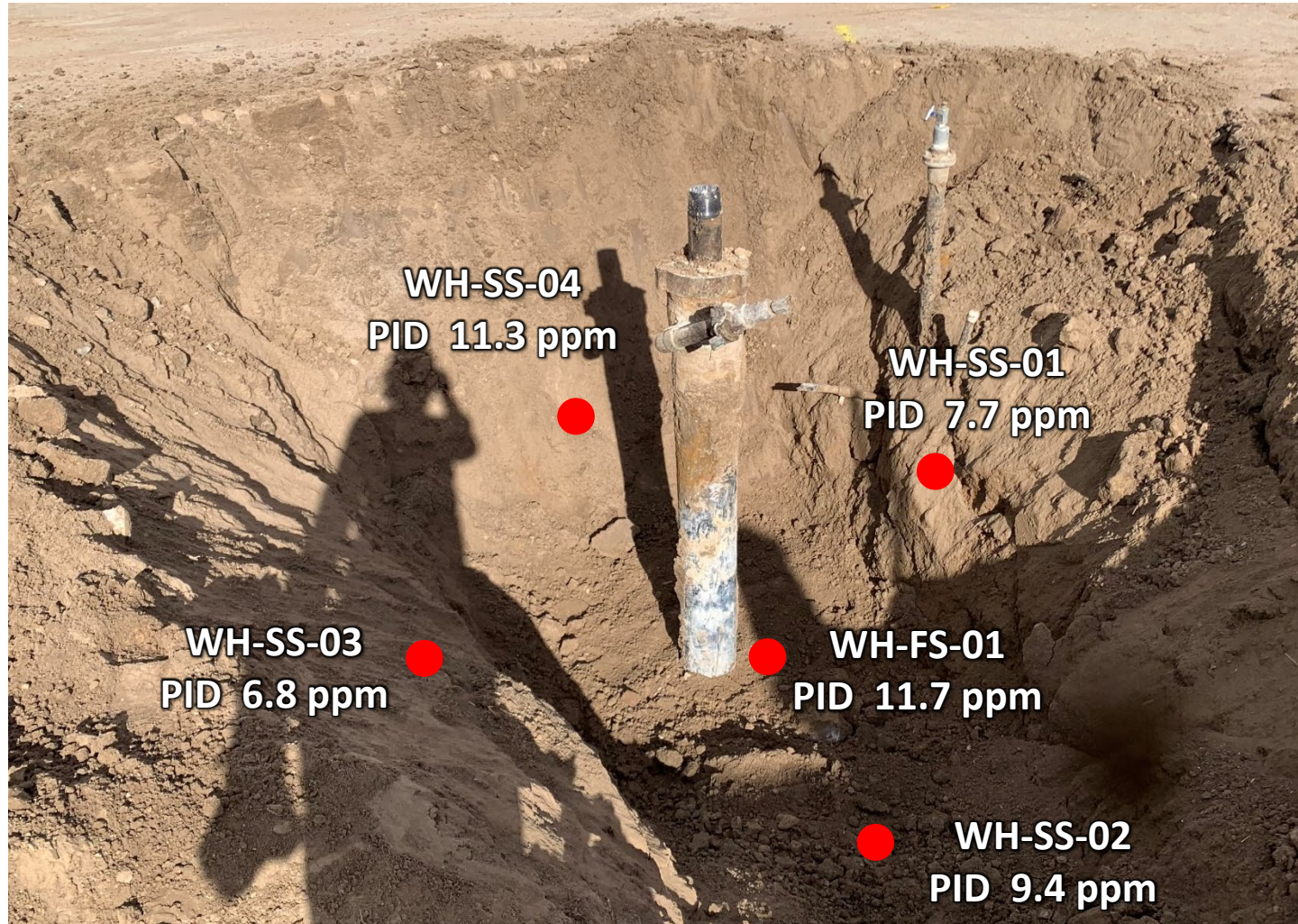
November 2021-January 2022



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



Wellhead Excavation – 11/23/21



Looking northeast

No petroleum hydrocarbon staining or odor observed

Tank Battery Decommissioning – 01/20/22



Looking west

Pt. B (at separator) collected during facility decommissioning activities associated with Rem. # 19272

No petroleum hydrocarbon staining or odor observed

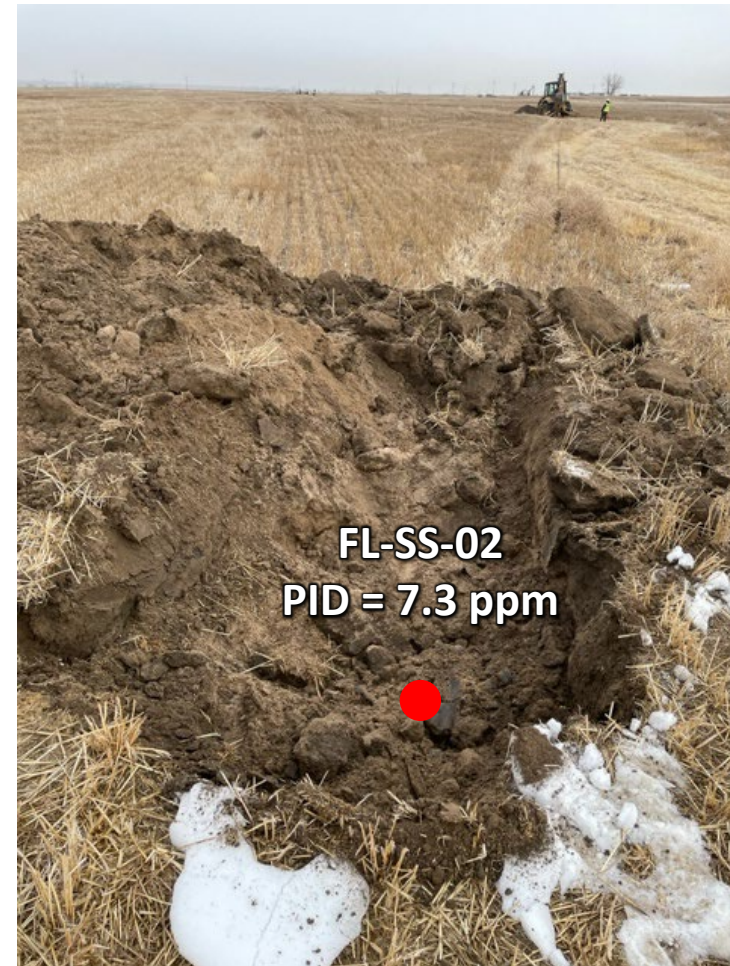
Flowline Removal – 01/21/22



Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

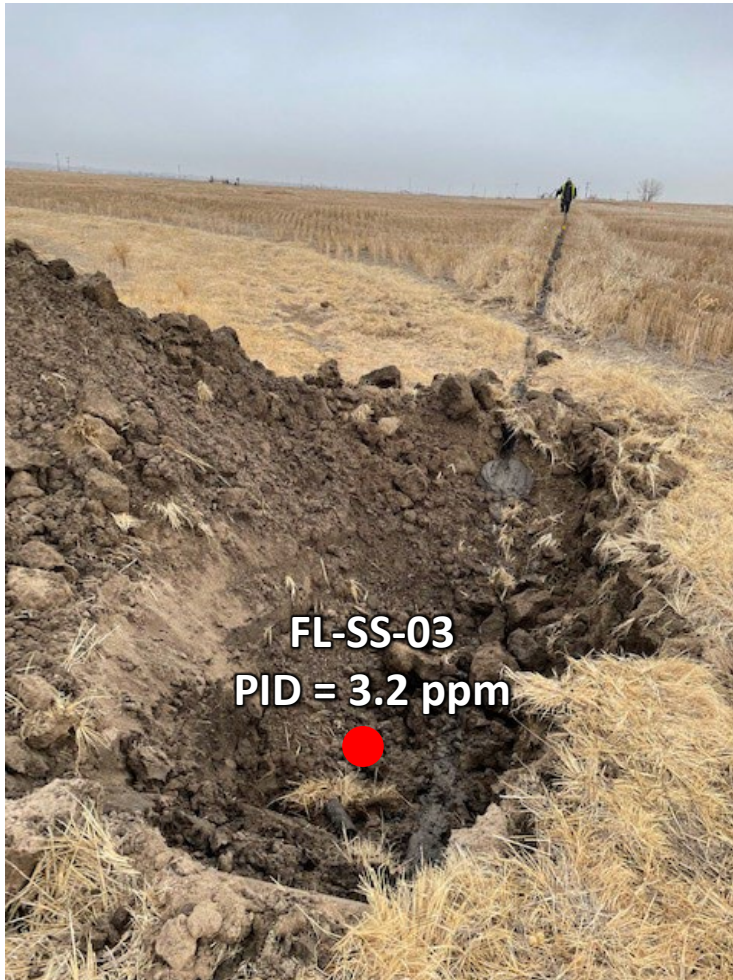


Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

Flowline Removal – 01/21/22



Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

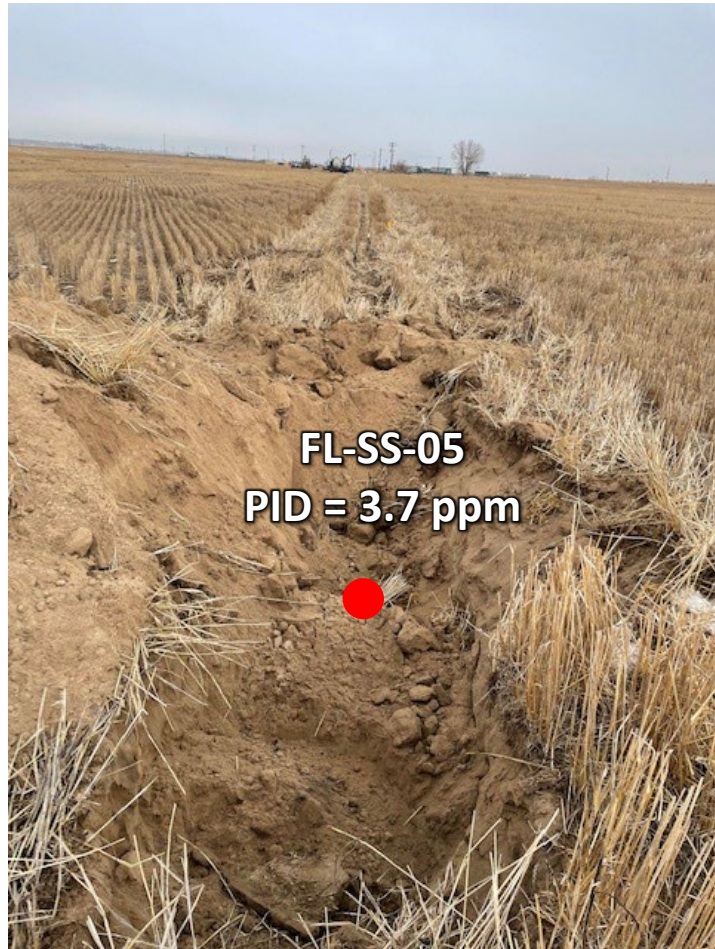


Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

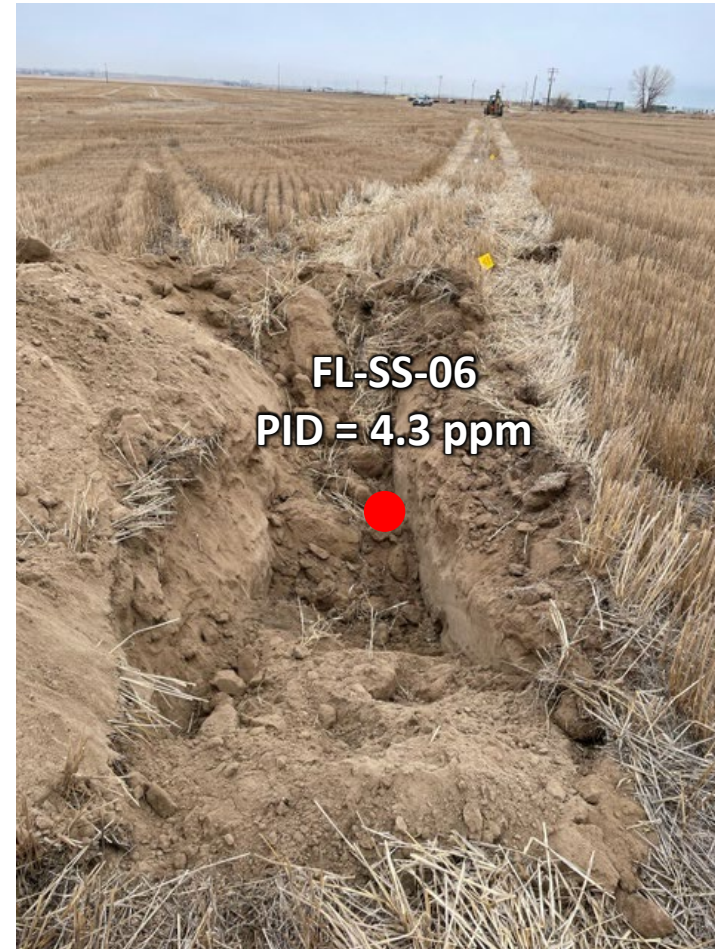
Flowline Removal – 01/21/22



Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

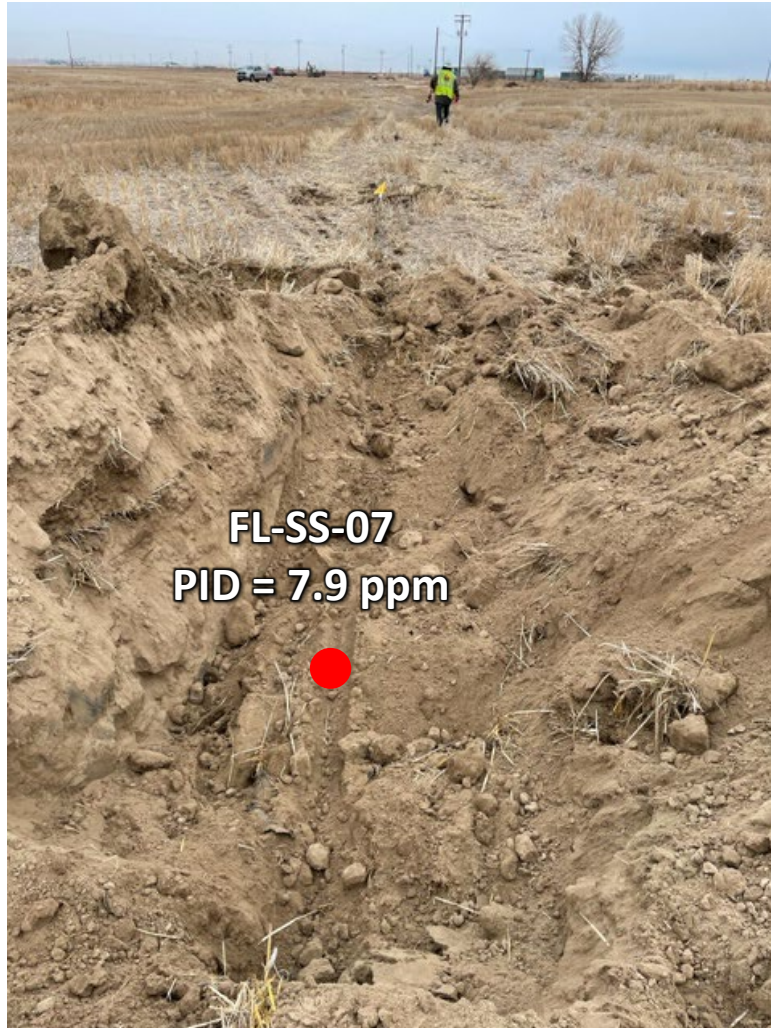


Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

Flowline Removal – 01/21/22

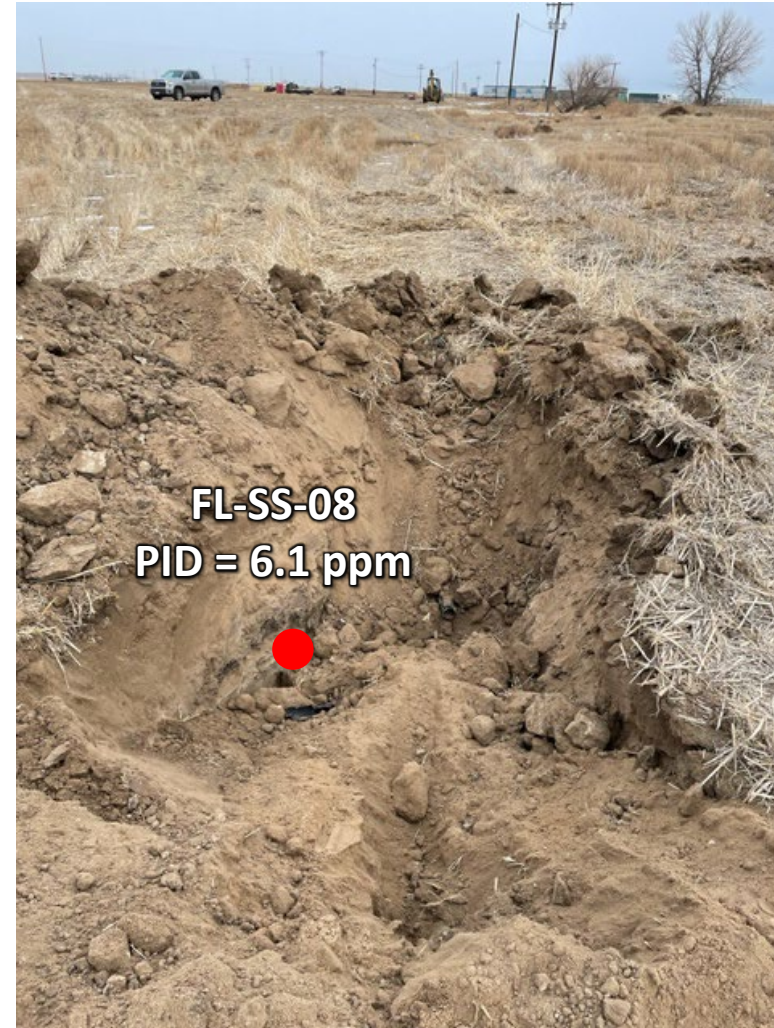


FL-SS-07
PID = 7.9 ppm

Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed



FL-SS-08
PID = 6.1 ppm

Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

Flowline Removal – 01/21/22



Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed



Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

Flowline Removal – 01/21/22

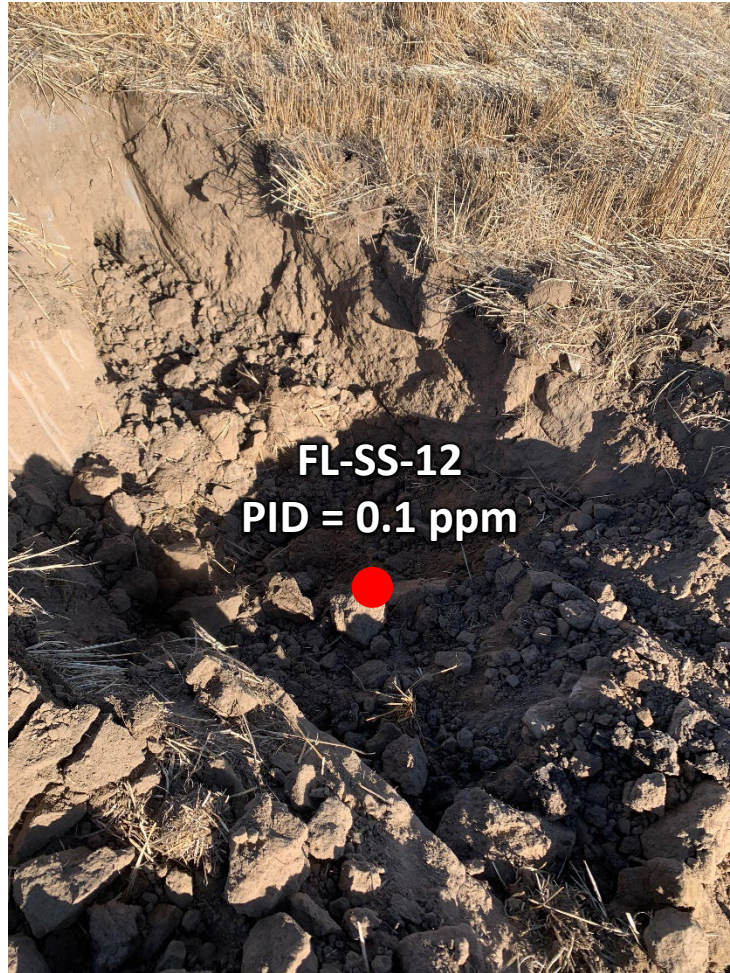


Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

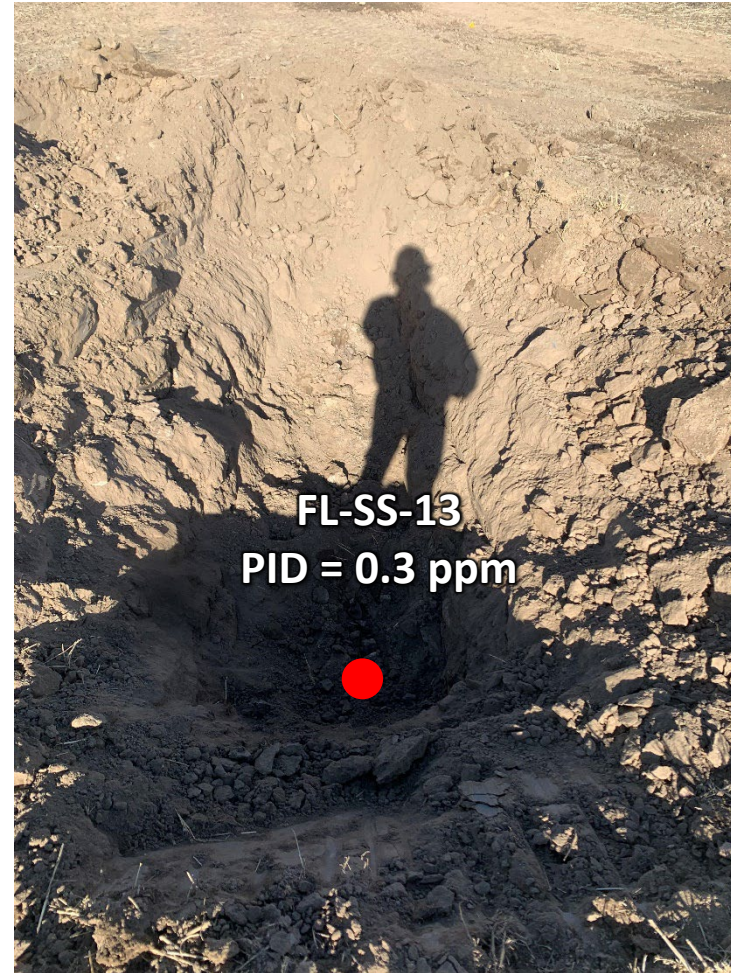
Flowline Removal – 01/24/22



Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

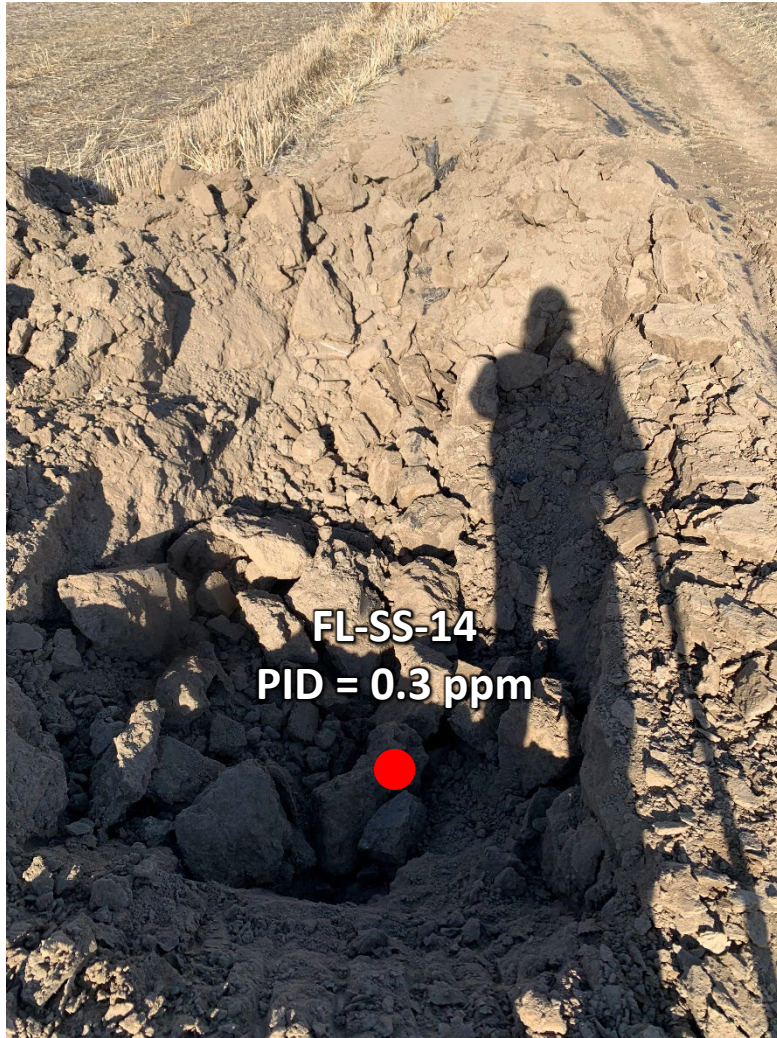


Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

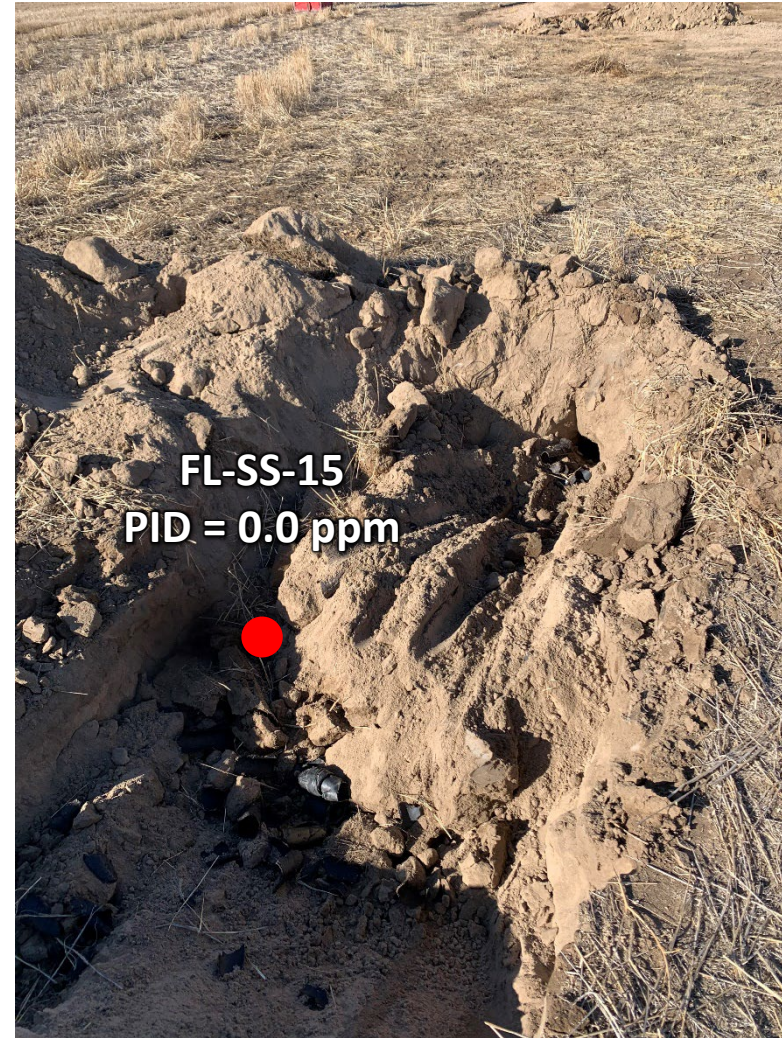
Flowline Removal – 01/24/22



Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

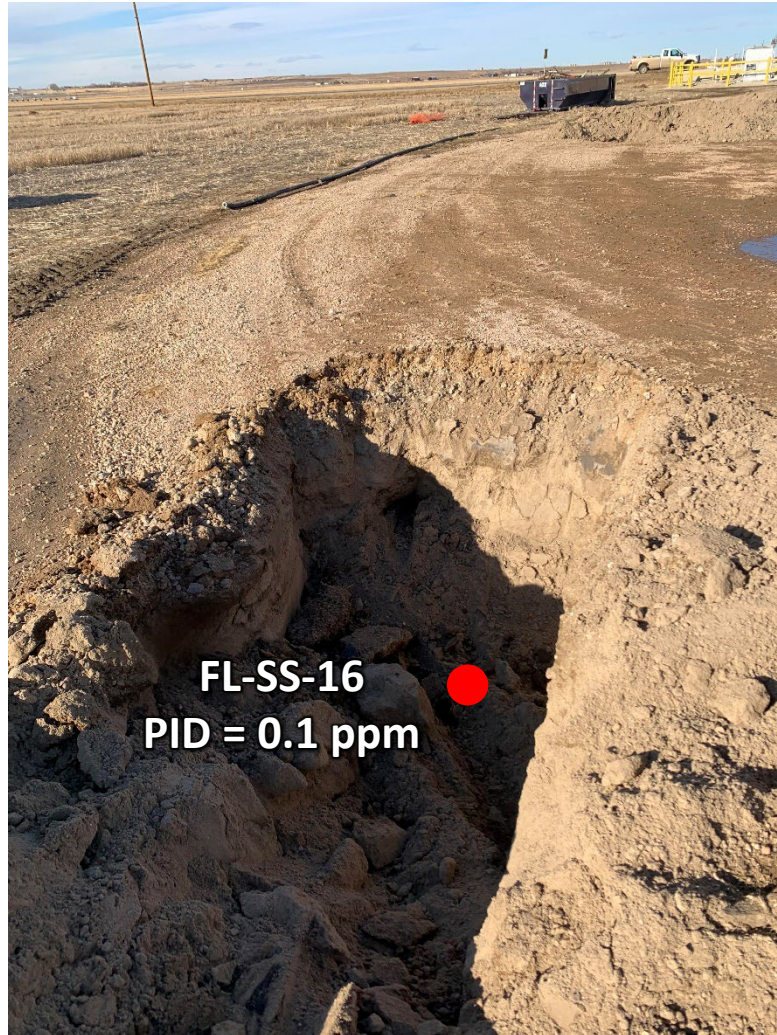


Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

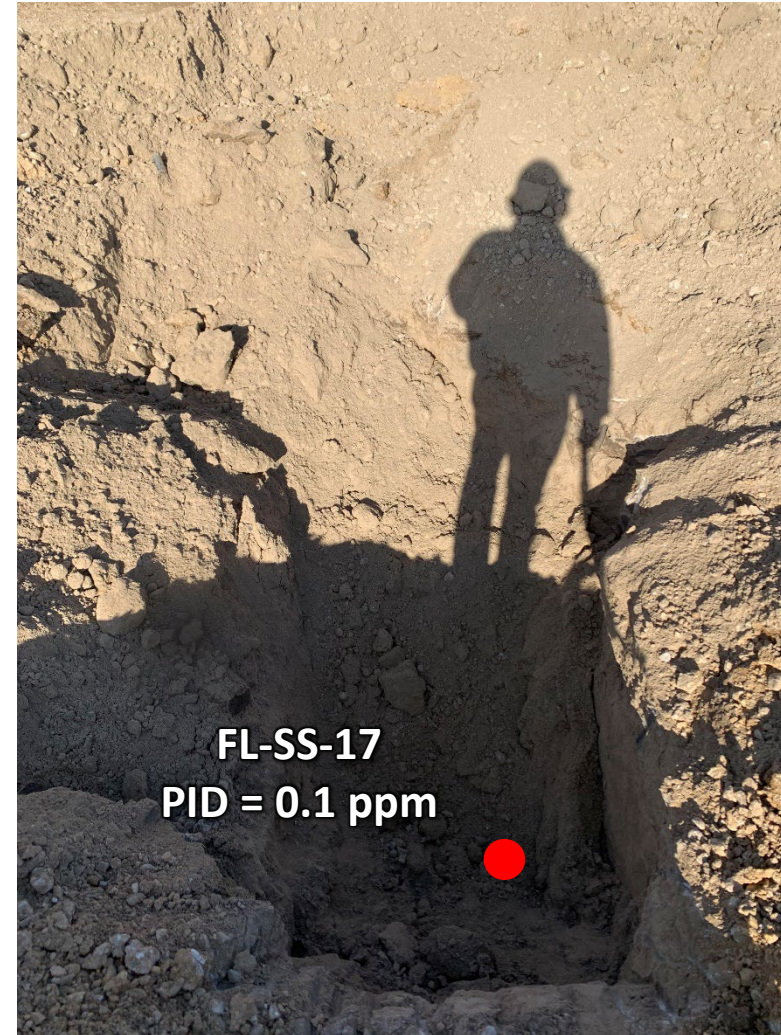
Flowline Removal – 01/24/22



Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed



Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed

Flowline Removal – 01/24/22



FL-SS-18
PID = 0.6 ppm

Looking north

Bellhole/cut-point – field-screened only

No petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Reports*

***Flowline Pt. B sample collected during decommissioning activities associated with Rem. # 19272.**

Sample included on lab report for battery – See TB-SS-04@3'



December 06, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - LDS White #D 17-8

Project Number - [none]

Attached are your analytical results for Noble - LDS White #D 17-8 received by Origins Laboratory, Inc. November 23, 2021. This project is associated with Origins project number Y111491-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - LDS White #D 17-8

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y111491-01	Soil	November 23, 2021 13:12	11/23/2021 16:30

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1111491 Client: Eagle
 Checklist Completed by: JG Client Project ID: LDS White D 17-8
 Date/time completed: 11/29/21 Shipped Via: HB
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Airbill #: N/A
 Cooler Number/Temperature: 1, 3.1 °C / _____ °C / _____ °C (Describe) _____ °C
 Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
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) JG Date/Time Reviewed 11/29/21

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

WH-FS-01@6'

11/23/2021 1:12:00PM

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

Origins Laboratory, Inc.
Y111491-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.653		0.198	mg/L	1	B1K2408	11/24/2021	11/29/2021	
-------	-------	--	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B1L0125	12/01/2021	12/04/2021	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.7 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1K3001	11/30/2021	11/30/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	115 %		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

WH-FS-01@6'

11/23/2021 1:12:00PM

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

Origins Laboratory, Inc.
Y111491-01 (Soil)

GBTEX+TMBs

Surrogate: Toluene-d8	85.6 %		70-130			B1K30 01	11/30/2021	11/30/2021	
Surrogate: 4-Bromofluorobenzene	100 %		70-130			"	"	"	

Metals by Saturated Paste

Calcium	31.0		0.499	meq/L	10	[CALC]	11/29/2021	11/30/2021	
Magnesium	11.6		0.823	"	"	"	"	"	
Sodium	25.4		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.00043	0.00033	0.00067	mg/Kg	1	L587265	11/30/2021	11/30/2021	J
2-Methylnaphthalene	0.00061	0.00039	0.00067	"	"	"	"	"	J
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"	
Anthracene	ND	0.00033	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00041	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0002	0.00014	0.00067	"	"	"	"	"	JB
Benzo(b)fluoranthene	0.000382	0.00021	0.00067	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"	
Chrysene	0.000816	0.00027	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"	
Fluorene	ND	0.00029	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

WH-FS-01@6'

11/23/2021 1:12:00PM

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

Waypoint Analytical, Inc.
Y111491-01 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	mg/Kg	1	L587265	11/30/2021	11/30/2021	
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"	
Pyrene	ND	0.00059	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	52.6 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	63.1 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	40.6 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.61			pH Units	1	B1K2904	11/29/2021	11/30/2021	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	5.49			SAR	1	B1K2902	11/29/2021	11/30/2021	
-----	------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	6.05	0.00500		mmhos/cm	1	B1K2903	11/29/2021	11/30/2021	
---------------------------	------	---------	--	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

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 B1K3001 - EPA 5030 (soil)

Blank (B1K3001-BLK1)

Prepared: 11/30/2021 Analyzed: 11/30/2021

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.0100	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Xylenes, total	ND	0.00200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	105		70-130			
Surrogate: Toluene-d8	0.11		"	0.125	89.6		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.2		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

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 B1K3001 - EPA 5030 (soil)

LCS (B1K3001-BS1)

Prepared: 11/30/2021 Analyzed: 11/30/2021

1,2,4-Trimethylbenzene	0.0926	0.00200	mg/kg	0.100		92.6	70-130			
Naphthalene	0.0958	0.0100	"	0.100		95.8	70-130			
1,3,5-Trimethylbenzene	0.0935	0.00200	"	0.100		93.5	70-130			
Benzene	0.113	0.00200	"	0.100		113	70-130			
Ethylbenzene	0.0926	0.00200	"	0.100		92.6	70-130			
m,p-Xylene	0.185	0.00400	"	0.200		92.7	70-130			
o-Xylene	0.0924	0.00200	"	0.100		92.4	70-130			
Toluene	0.0942	0.00200	"	0.100		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.7	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

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 B1K3001 - EPA 5030 (soil)

Matrix Spike (B1K3001-MS1)	Source: Y111490-01			Prepared: 11/30/2021 Analyzed: 11/30/2021						
1,2,4-Trimethylbenzene	0.0879	0.00200	mg/kg	0.100	ND	87.9	70-130			
Naphthalene	0.0897	0.0100	"	0.100	0.00168	88.1	70-130			
1,3,5-Trimethylbenzene	0.0883	0.00200	"	0.100	ND	88.3	70-130			
Benzene	0.114	0.00200	"	0.100	ND	114	70-130			
Ethylbenzene	0.0878	0.00200	"	0.100	ND	87.8	70-130			
m,p-Xylene	0.178	0.00400	"	0.200	ND	89.2	70-130			
o-Xylene	0.0882	0.00200	"	0.100	ND	88.2	70-130			
Toluene	0.0924	0.00200	"	0.100	ND	92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		88.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

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 B1K3001 - EPA 5030 (soil)

Matrix Spike Dup (B1K3001-MSD1)	Source: Y111490-01			Prepared: 11/30/2021 Analyzed: 11/30/2021						
1,2,4-Trimethylbenzene	0.0820	0.00200	mg/kg	0.100	ND	82.0	70-130	6.92	20	
Naphthalene	0.0909	0.0100	"	0.100	0.00168	89.2	70-130	1.26	20	
1,3,5-Trimethylbenzene	0.0823	0.00200	"	0.100	ND	82.3	70-130	7.08	20	
Benzene	0.112	0.00200	"	0.100	ND	112	70-130	1.77	20	
Ethylbenzene	0.0830	0.00200	"	0.100	ND	83.0	70-130	5.64	20	
m,p-Xylene	0.166	0.00400	"	0.200	ND	83.0	70-130	7.20	20	
o-Xylene	0.0829	0.00200	"	0.100	ND	82.9	70-130	6.20	20	
Toluene	0.0876	0.00200	"	0.100	ND	87.6	70-130	5.40	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		87.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

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 B1L0125 - EPA 3550B										
Blank (B1L0125-BLK1)										
					Prepared: 12/01/2021 Analyzed: 12/03/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	19		"	24.9		78.3	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

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 B1L0125 - EPA 3550B

LCS (B1L0125-BS1)

Prepared: 12/01/2021 Analyzed: 12/03/2021

Diesel (C10-C28)	965	50.0	mg/kg	1000		96.5	70-130			
Residual Range Organics (C28-C40)	1060	200	"	1000		106	70-130			
Surrogate: o-Terphenyl	49		"	49.8		99.1	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

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 B1L0125 - EPA 3550B

Matrix Spike (B1L0125-MS1)	Source: Y111479-01			Prepared: 12/01/2021 Analyzed: 12/03/2021						
Diesel (C10-C28)	977	50.0	mg/kg	1000	ND	97.7	70-130			
Residual Range Organics (C28-C40)	1070	200	"	1000	ND	107	70-130			
Surrogate: o-Terphenyl	51		"	49.8		103	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

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 B1L0125 - EPA 3550B

Matrix Spike Dup (B1L0125-MSD1)	Source: Y111479-01			Prepared: 12/01/2021 Analyzed: 12/03/2021						
Diesel (C10-C28)	957	50.0	mg/kg	1000	ND	95.7	70-130	2.02	35	
Residual Range Organics (C28-C40)	1080	200	"	1000	ND	108	70-130	0.817	35	
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B1K2903 - NO PREP

Blank (B1K2903-BLK1)

Prepared: 11/29/2021 Analyzed: 11/30/2021

Specific Conductance (EC) 0.00160 0.00500 mmhos/cm

Duplicate (B1K2903-DUP1)

Source: Y111487-01

Prepared: 11/29/2021 Analyzed: 11/30/2021

Specific Conductance (EC) 1.14 0.00500 mmhos/cm 0.909 22.5 25

Batch B1K2904 - NO PREP

Duplicate (B1K2904-DUP1)

Source: Y111487-01

Prepared: 11/29/2021 Analyzed: 11/30/2021

pH 7.69 pH Units 7.86 2.19 25

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L587265 - 3550B

MSD (L 89109-MSD-L587265)		Source: 89109			Prepared: 11/30/2021 Analyzed: 11/30/2021					
Dibenz(a,h)anthracene	0.139	0.00036	mg/Kg	0.166	<0.000360	83.7	30-130	2.9	30	
1-Methylnaphthalene	0.113	0.00033	"	0.166	<0.000330	68	30-130	2.6	30	
Pyrene	0.13	0.00059	"	0.166	<0.000590	78.3	30-130	3	30	
Indeno(1,2,3-cd)pyrene	0.114	0.00029	"	0.166	<0.000290	68.6	30-130	0.8	30	
Naphthalene	0.109	0.000467	"	0.166	<0.000467	65.6	30-130	2.7	30	
Fluoranthene	0.13	0.00039	"	0.166	<0.000390	78.3	30-130	3	30	
Chrysene	0.133	0.00027	"	0.166	<0.000270	80.1	30-130	0	30	
Benzo(k)fluoranthene	0.104	0.00013	"	0.166	<0.000130	62.6	30-130	0	30	
Benzo(b)fluoranthene	0.102	0.00021	"	0.166	0.00058	61.4	30-130	4.7	30	
Benzo(a)anthracene	0.124	0.00041	"	0.166	<0.000410	74.6	30-130	3.1	30	
Anthracene	0.125	0.00033	"	0.166	<0.000330	75.3	30-130	1.5	30	
Acenaphthene	0.118	0.0003	"	0.166	<0.000300	71	30-130	4.1	30	
2-Methylnaphthalene	0.109	0.00039	"	0.166	<0.000390	65.6	30-130	3.6	30	
Benzo(a)pyrene	0.131	0.00014	"	0.166	<0.000140	78.9	30-130	3	30	
Fluorene	0.121	0.00029	"	0.166	<0.000290	72.8	30-130	3.2	30	
Surrogate: Nitrobenzene-d5	45.7		"	0.332	141	45.7	29-110			
Surrogate: 4-Terphenyl-d14	78		"	0.332	224	78	33-122			
Surrogate: 2-Fluorobiphenyl	58.4		"	0.332	175	58.4	33-115			

MS (L 89109-MS-L587265)		Source: 89109			Prepared: 11/30/2021 Analyzed: 11/30/2021					
Benzo(k)fluoranthene	0.104	0.00013	mg/Kg	0.165	<0.000130	63	30-130			
Chrysene	0.133	0.00027	"	0.165	<0.000270	80.6	30-130			
Dibenz(a,h)anthracene	0.135	0.00036	"	0.165	<0.000360	81.8	30-130			
Fluoranthene	0.134	0.00039	"	0.165	<0.000390	81.2	30-130			
Fluorene	0.125	0.00029	"	0.165	<0.000290	75.7	30-130			
Pyrene	0.134	0.00059	"	0.165	<0.000590	81.2	30-130			
1-Methylnaphthalene	0.116	0.00033	"	0.165	<0.000330	70.3	30-130			

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L587265 - 3550B

MS (L 89109-MS-L587265)		Source: 89109			Prepared: 11/30/2021 Analyzed: 11/30/2021					
Indeno(1,2,3-cd)pyrene	0.115	0.00029	mg/Kg	0.165	<0.000290	69.6	30-130			
Benzo(b)fluoranthene	0.107	0.00021	"	0.165	0.00058	64.8	30-130			
Benzo(a)pyrene	0.135	0.00014	"	0.165	<0.000140	81.8	30-130			
Benzo(a)anthracene	0.128	0.00041	"	0.165	<0.000410	77.5	30-130			
Anthracene	0.127	0.00033	"	0.165	<0.000330	76.9	30-130			
Acenaphthene	0.123	0.0003	"	0.165	<0.000300	74.5	30-130			
Naphthalene	0.112	0.000467	"	0.165	<0.000467	67.8	30-130			
2-Methylnaphthalene	0.113	0.00039	"	0.165	<0.000390	68.4	30-130			
Surrogate: Nitrobenzene-d5	45.7		"	0.33	141	45.7	29-110			
Surrogate: 4-Terphenyl-d14	78.1		"	0.33	224	78.1	33-122			
Surrogate: 2-Fluorobiphenyl	58.1		"	0.33	175	58.1	33-115			

LCS (LCS-L587265)		Prepared: 11/30/2021 Analyzed: 11/30/2021								
Benzo(a)pyrene	0.124	0.00014	mg/Kg	0.167		74.2	30-130			
Chrysene	0.123	0.00027	"	0.167		73.6	30-130			
Pyrene	0.12	0.00059	"	0.167		71.8	30-130			
Naphthalene	0.104	0.000467	"	0.167		62.2	30-130			
Indeno(1,2,3-cd)pyrene	0.097	0.00029	"	0.167		58	30-130			
Fluorene	0.112	0.00029	"	0.167		67	30-130			
Anthracene	0.114	0.00033	"	0.167		68.2	30-130			
Dibenz(a,h)anthracene	0.116	0.00036	"	0.167		69.4	30-130			
1-Methylnaphthalene	0.11	0.00033	"	0.167		65.8	30-130			
Benzo(k)fluoranthene	0.0936	0.00013	"	0.167		56	30-130			
Benzo(b)fluoranthene	0.0974	0.00021	"	0.167		58.3	30-130			
Benzo(a)anthracene	0.118	0.00041	"	0.167		70.6	30-130			
Acenaphthene	0.111	0.0003	"	0.167		66.4	30-130			
2-Methylnaphthalene	0.104	0.00039	"	0.167		62.2	30-130			

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L587265 - 3550B

LCS (LCS-L587265)

Prepared: 11/30/2021 Analyzed: 11/30/2021

Fluoranthene	0.122	0.00039	mg/Kg	0.167		73	30-130			
Surrogate: Nitrobenzene-d5	46.8		"	0.333		46.8	29-110			
Surrogate: 4-Terphenyl-d14	78.9		"	0.333		78.9	33-122			
Surrogate: 2-Fluorobiphenyl	60.6		"	0.333		60.6	33-115			

LRB (LRB-L587265)

Prepared: 11/30/2021 Analyzed: 11/30/2021

Chrysene	ND	0.00067	mg/Kg				-			
Benzo(a)pyrene	0.000279	0.00067	"				-			J
Pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	47.4		"	0.333		47.4	29-110			
Surrogate: 4-Terphenyl-d14	66.6		"	0.333		66.6	33-122			
Surrogate: 2-Fluorobiphenyl	56.7		"	0.333		56.7	33-115			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - LDS White #D 17-8

Notes and Definitions

U Sample is Non-Detect.

JB [Undefined]

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on 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.



December 13, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - LDS White #D 17-8

Project Number - [none]

Attached are your analytical results for Noble - LDS White #D 17-8 received by Origins Laboratory, Inc. December 06, 2021. This project is associated with Origins project number Y112150-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - LDS White #D 17-8

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@3'	Y112150-01	Soil	November 23, 2021 13:20	12/06/2021 14:35

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4112150

Client: Eagle

Client Project ID: LDS WHITE D17-8

Checklist Completed by: JH

Shipped Via: HD

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

Date/time completed: 12/10/12

Airbill #: NA

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

Cooler Number/Temperature: 1 13.5 °C °C °C (Describe) °C

Thermometer ID: 1003

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

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

Reviewed by (Project Manager) JM

Date/Time Reviewed 12-7-21

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - LDS White #D 17-8

Background-01@3'
11/23/2021 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y112150-01 (Soil)

Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.97	0.00500	mmhos/cm	1	B1L0713	ACC	12/07/2021	12/08/2021	
---------------------------	-------------	---------	----------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-8

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1L0713 - NO PREP										
Blank (B1L0713-BLK1)					Prepared: 12/07/2021 Analyzed: 12/08/2021					
Specific Conductance (EC)	0.000900	0.00500	mmhos/cm							
Duplicate (B1L0713-DUP1)					Source: Y112158-05 Prepared: 12/07/2021 Analyzed: 12/08/2021					
Specific Conductance (EC)	0.490	0.00500	mmhos/cm		0.447			9.03	25	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - LDS White #D 17-8

Notes and Definitions

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.



February 17, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - LDS White #D 17-2, 8 TB Project Number - [none]

Attached are your analytical results for Noble - LDS White #D 17-2, 8 TB received by Origins Laboratory, Inc. January 20, 2022. This project is associated with Origins project number Y201390-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - LDS White #D 17-2, 8 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WV-SS-03@7'	Y201390-01	Soil	January 20, 2022 12:53	01/20/2022 16:20
WV-FS-01@8'	Y201390-02	Soil	January 20, 2022 13:00	01/20/2022 16:20
TB-SS-01@1'	Y201390-03	Soil	January 20, 2022 13:15	01/20/2022 16:20
TB-SS-03@4'	Y201390-04	Soil	January 20, 2022 13:52	01/20/2022 16:20
TB-SS-04@3'	Y201390-05	Soil	January 20, 2022 14:01	01/20/2022 16:20

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB


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

Sample Receipt Checklist

Origins Work Order: Y201380 Client: Eagle
 Checklist Completed by: JG Client Project ID: LDS White D17-2, 8
 Date/time completed: 1/24/22 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: 1, 3.5 °C 1 °C 1 °C 1 °C
 Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
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 (Project Manager) 1/24/22
Date/Time Reviewed

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

WV-SS-03@7'

1/20/2022 12:53:00PM

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

Origins Laboratory, Inc.
Y201390-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.198	mg/L	1	B2A2402	01/24/2022	01/25/2022	
-------	----	--	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2A2110	01/21/2022	01/25/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	93.8 %		50-150			"	"	"	
--------------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2A2618	01/26/2022	02/01/2022	U
1,3,5-Trimethylbenzene	0.00830		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.546		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	102 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

WV-SS-03@7'

1/20/2022 12:53:00PM

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

Origins Laboratory, Inc.
Y201390-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	97.4 %		70-130			B2A26 18	01/26/2022	02/01/2022	
---------------------------------	--------	--	--------	--	--	-------------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	2.63		0.499	meq/L	10	[CALC]	01/24/2022	01/25/2022	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.00333	0.000364	0.00067	mg/Kg	1	L596105	01/24/2022	01/25/2022	
2-Methylnaphthalene	0.00679	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.0011	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.000659	0.000624	0.00067	"	"	"	"	"	J
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000717	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00224	0.000286	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

WV-SS-03@7'

1/20/2022 12:53:00PM

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

Waypoint Analytical, Inc.
Y201390-01 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L596105	01/24/2022	01/25/2022	
Naphthalene	0.000863	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.000862	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	59.1 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	65.8 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	51.8 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.80			pH Units	1	B2A2404	01/24/2022	01/25/2022	
----	-------------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.285			SAR	1	B2A2403	01/24/2022	01/25/2022	
-----	--------------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.378		0.00500	mmhos/cm	1	B2A2405	01/24/2022	01/25/2022	
---------------------------	--------------	--	---------	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

WV-FS-01@8'
1/20/2022 1:00:00PM

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

Origins Laboratory, Inc.
Y201390-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.432		0.196	mg/L	1	B2A2402	01/24/2022	01/25/2022	
-------	-------	--	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	184		25.0	mg/kg	1	B2A2110	01/21/2022	01/27/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	106 %		50-150			"	"	"	
--------------------------------	-------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2A2618	01/26/2022	02/01/2022	U
1,3,5-Trimethylbenzene	0.00786		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	1.40		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %		70-130			"	"	"	
Surrogate: Toluene-d8	94.8 %		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

WV-FS-01@8'
1/20/2022 1:00:00PM

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

Origins Laboratory, Inc.
Y201390-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	99.8 %		70-130			B2A26 18	01/26/2022	02/01/2022	
---------------------------------	--------	--	--------	--	--	-------------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	1.91		0.499	meq/L	10	[CALC]	01/24/2022	01/25/2022	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.71		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.019	0.000364	0.00067	mg/Kg	1	L596105	01/24/2022	01/25/2022	
2-Methylnaphthalene	0.0259	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.0108	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00118	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.000608	0.000493	0.00067	"	"	"	"	"	J
Benzo(a)pyrene	0.00185	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00126	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00754	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00109	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.0298	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

WV-FS-01@8'
1/20/2022 1:00:00PM

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

Waypoint Analytical, Inc.
Y201390-02 (Soil)

PAH by 8270D SIM

Naphthalene	0.00228	0.000484	0.00067	mg/Kg	1	L596105	01/24/2022	01/25/2022	
Pyrene	0.00363	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	47.9 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	57.8 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	47.9 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.88			pH Units	1	B2A2404	01/24/2022	01/25/2022	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.60			SAR	1	B2A2403	01/24/2022	01/25/2022	
-----	------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.475		0.00500	mmhos/cm	1	B2A2405	01/24/2022	01/25/2022	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-01@1'
1/20/2022 1:15:00PM

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

Origins Laboratory, Inc.
Y201390-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.199	mg/L	1	B2A2402	01/24/2022	01/25/2022	
-------	----	--	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2A2110	01/21/2022	01/25/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.5 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2A2618	01/26/2022	02/01/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.5 %		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-01@1'
1/20/2022 1:15:00PM

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

Origins Laboratory, Inc.
Y201390-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %		70-130			B2A26 18	01/26/2022	02/01/2022	
Surrogate: 4-Bromofluorobenzene	98.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.66		0.499	meq/L	10	[CALC]	01/24/2022	01/25/2022	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L596105	01/24/2022	01/25/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.000978	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-01@1'
1/20/2022 1:15:00PM

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

Waypoint Analytical, Inc.
Y201390-03 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L596105	01/24/2022	01/25/2022	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	58.4 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	62.3 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	55.3 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.87			pH Units	1	B2A2404	01/24/2022	01/25/2022	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.129			SAR	1	B2A2403	01/24/2022	01/25/2022	
-----	-------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.253		0.00500	mmhos/cm	1	B2A2405	01/24/2022	01/25/2022	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-03@4'
1/20/2022 1:52:00PM

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

Origins Laboratory, Inc.
Y201390-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.337		0.198	mg/L	1	B2A2402	01/24/2022	01/25/2022	
-------	-------	--	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2A2110	01/21/2022	01/25/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	90.7 %		50-150			"	"	"	
--------------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00698		0.00200	mg/kg	1	B2A2618	01/26/2022	02/01/2022	
1,3,5-Trimethylbenzene	0.0322		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	0.0164		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.328		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	100 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.3 %		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-03@4'
1/20/2022 1:52:00PM

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

Origins Laboratory, Inc.
Y201390-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	101 %	70-130				B2A26 18	01/26/2022	02/01/2022	
---------------------------------	-------	--------	--	--	--	-------------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	3.27	0.499	meq/L	10	[CALC]		01/24/2022	01/25/2022	
Magnesium	0.848	0.823	"	"	"	"	"	"	"
Sodium	2.46	0.435	"	"	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.0432	0.00182	0.00335	mg/Kg	5	L596105	01/24/2022	01/25/2022	
2-Methylnaphthalene	0.0766	0.00323	0.00335	"	"	"	"	"	"
Acenaphthene	0.0078	0.00152	0.00335	"	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"	"
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	"
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"	"
Fluorene	0.0154	0.00143	0.00335	"	"	"	"	"	"

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-03@4'
1/20/2022 1:52:00PM

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

Waypoint Analytical, Inc.
Y201390-04 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	mg/Kg	5	L596105	01/24/2022	01/25/2022	
Naphthalene	0.0141	0.00242	0.00335	"	"	"	"	"	
Pyrene	ND	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	63.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	66.9 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	45.3 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.85			pH Units	1	B2A2404	01/24/2022	01/25/2022	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.71			SAR	1	B2A2403	01/24/2022	01/25/2022	
-----	------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.699		0.00500	mmhos/cm	1	B2A2405	01/24/2022	01/25/2022	
---------------------------	--------------	--	---------	----------	---	---------	------------	------------	--

Total Metals by 6020B

Arsenic	1.27	0.0855	0.25	mg/Kg	5	L598376	02/09/2022	02/13/2022	
Barium	66.7	0.042	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-03@4'
1/20/2022 1:52:00PM

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

Waypoint Analytical, LLC.
Y201390-04 (Soil)

Total Metals by 6020B

Cadmium	0.126	0.0259	0.25	mg/Kg	5	L598376	02/09/2022	02/13/2022	J
Copper	5.12	0.0806	0.25	"	"	"	"	"	
Lead	8.42	0.031	0.25	"	"	"	"	"	
Nickel	5.21	0.0633	0.25	"	"	"	"	"	
Selenium	ND	0.103	0.25	"	"	"	"	"	
Silver	0.0228	0.0067	0.25	"	"	"	"	"	J
Zinc	25.2	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L599558	01/20/2022	02/15/2022	
----------------------	----	-------	-----	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-04@3'
1/20/2022 2:01:00PM

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

Origins Laboratory, Inc.
Y201390-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.201	mg/L	1	B2A2402	01/24/2022	01/25/2022	
-------	----	--	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2A2110	01/21/2022	01/25/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	74.1 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2A2618	01/26/2022	02/01/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.6 %		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-04@3'
1/20/2022 2:01:00PM

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

Origins Laboratory, Inc.
Y201390-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.8 %		70-130			B2A26 18	01/26/2022	02/01/2022	
Surrogate: 4-Bromofluorobenzene	99.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.70		0.499	meq/L	10	[CALC]	01/24/2022	01/25/2022	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L596105	01/24/2022	01/25/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

TB-SS-04@3'
1/20/2022 2:01:00PM

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

Waypoint Analytical, Inc.
Y201390-05 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L596105	01/24/2022	01/25/2022	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	60.7 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	62.5 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	57.1 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.05			pH Units	1	B2A2404	01/24/2022	01/25/2022	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.183			SAR	1	B2A2403	01/24/2022	01/25/2022	
-----	-------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.291		0.00500	mmhos/cm	1	B2A2405	01/24/2022	01/25/2022	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 B2A2110 - EPA 3580										
Blank (B2A2110-BLK1)										
					Prepared: 01/18/2022 Analyzed: 01/25/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.6	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 B2A2110 - EPA 3580

LCS (B2A2110-BS1)

Prepared: 01/18/2022 Analyzed: 01/18/2022

Diesel (C10-C28)	967	50.0	mg/kg	1000		96.7	70-130			
Residual Range Organics (C28-C40)	867	200	"	1000		86.7	70-130			
Surrogate: o-Terphenyl	42		"	49.8		85.0	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 B2A2110 - EPA 3580

Matrix Spike (B2A2110-MS1)	Source: Y201286-01			Prepared: 01/18/2022 Analyzed: 01/24/2022						
Diesel (C10-C28)	929	50.0	mg/kg	1000	ND	92.9	70-130			
Residual Range Organics (C28-C40)	915	200	"	1000	ND	91.5	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.5	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 B2A2110 - EPA 3580

Matrix Spike Dup (B2A2110-MSD1)	Source: Y201286-01			Prepared: 01/18/2022 Analyzed: 01/24/2022						
Diesel (C10-C28)	965	50.0	mg/kg	1000	ND	96.5	70-130	3.80	35	
Residual Range Organics (C28-C40)	903	200	"	1000	ND	90.3	70-130	1.35	35	
Surrogate: o-Terphenyl	41		"	49.8		81.9	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 B2A2618 - EPA 5030 (soil)

Blank (B2A2618-BLK1)

Prepared: 01/26/2022 Analyzed: 02/01/2022

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	0.0100	"							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	103		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	103		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	98.2		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 B2A2618 - EPA 5030 (soil)

LCS (B2A2618-BS1)

Prepared: 01/26/2022 Analyzed: 02/01/2022

1,2,4-Trimethylbenzene	0.0823	0.00200	mg/kg	0.100		82.3	70-130			
1,3,5-Trimethylbenzene	0.0800	0.00200	"	0.100		80.0	70-130			
Benzene	0.105	0.00200	"	0.100		105	70-130			
Ethylbenzene	0.0866	0.00200	"	0.100		86.6	70-130			
Naphthalene	0.108	0.0100	"	0.100		108	70-130			
Toluene	0.0931	0.00200	"	0.100		93.1	70-130			
o-Xylene	0.0929	0.00200	"	0.100		92.9	70-130			
m,p-Xylene	0.168	0.00400	"	0.200		83.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.8	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 B2A2618 - EPA 5030 (soil)

Matrix Spike (B2A2618-MS1)	Source: Y201331-01		Prepared: 01/26/2022 Analyzed: 02/01/2022							
1,2,4-Trimethylbenzene	0.113	0.00200	mg/kg	0.100	ND	113	70-130			
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130			
Benzene	0.100	0.00200	"	0.100	ND	100	70-130			
Ethylbenzene	0.112	0.00200	"	0.100	ND	112	70-130			
Naphthalene	0.0941	0.0100	"	0.100	0.000700	93.4	70-130			
Toluene	0.102	0.00200	"	0.100	ND	102	70-130			
o-Xylene	0.111	0.00200	"	0.100	ND	111	70-130			
m,p-Xylene	0.221	0.00400	"	0.200	ND	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.9	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 B2A2618 - EPA 5030 (soil)

Matrix Spike Dup (B2A2618-MSD1)	Source: Y201331-01			Prepared: 01/26/2022 Analyzed: 02/01/2022						
1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100	ND	115	70-130	1.03	20	
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100	ND	114	70-130	0.542	20	
Benzene	0.108	0.00200	"	0.100	ND	108	70-130	7.67	20	
Ethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130	1.24	20	
Naphthalene	0.110	0.0100	"	0.100	0.000700	109	70-130	15.6	20	
Toluene	0.106	0.00200	"	0.100	ND	106	70-130	4.32	20	
o-Xylene	0.112	0.00200	"	0.100	ND	112	70-130	0.825	20	
m,p-Xylene	0.219	0.00400	"	0.200	ND	110	70-130	0.763	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.0	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 L598376 - 3050B

MSD (L 88382-MSD-L598376)		Source: 88382			Prepared: 02/09/2022 Analyzed: 02/13/2022					
Selenium	3.44	0.103	mg/Kg	4.73	<0.103	73	75-125	6.1	80	*
Barium	89.9	0.042	"	4.73	95.7	NR	75-125	20.1	80	*
Cadmium	0.565	0.0259	"	0.473	0.173	119	75-125	7.4	80	
Copper	11.1	0.0806	"	2.37	9.42	71	75-125	0.9	80	*
Arsenic	5.12	0.0855	"	2.37	2.69	103	75-125	0.5	80	
Nickel	12.1	0.0633	"	2.37	10.4	72	75-125	1.6	80	*
Silver	0.48	0.0067	"	0.473	0.0618	101	75-125	6.6	80	
Zinc	54.9	0.534	"	23.7	33.9	89	75-125	2.3	80	
Lead	8.6	0.031	"	2.37	6.84	74	75-125	0.3	80	*

MS (L 88382-MS-L598376)		Source: 88382			Prepared: 02/09/2022 Analyzed: 02/13/2022					
Silver	0.513	0.0067	mg/Kg	0.463	0.0618	111	75-125			
Barium	110	0.042	"	4.63	95.7	309	75-125			*
Cadmium	0.609	0.0259	"	0.463	0.173	131	75-125			*
Copper	11	0.0806	"	2.32	9.42	68	75-125			*
Lead	8.63	0.031	"	2.32	6.84	77	75-125			
Nickel	12.3	0.0633	"	2.32	10.4	82	75-125			
Selenium	3.66	0.103	"	4.63	<0.103	79	75-125			
Arsenic	5.15	0.0855	"	2.32	2.69	106	75-125			
Zinc	53.6	0.534	"	23.2	33.9	85	75-125			

LCS (LCS-L598376)		Prepared: 02/09/2022 Analyzed: 02/13/2022								
Zinc	23.3	0.534	mg/Kg	25		93	80-120			
Selenium	4.79	0.103	"	5		96	80-120			
Lead	2.4	0.031	"	2.5		96	80-120			
Copper	2.34	0.0806	"	2.5		94	80-120			
Cadmium	0.48	0.0259	"	0.5		96	80-120			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 L598376 - 3050B

LCS (LCS-L598376)

Prepared: 02/09/2022 Analyzed: 02/13/2022

Arsenic	2.45	0.0855	mg/Kg	2.5		98	80-120			
Silver	0.489	0.0067	"	0.5		98	80-120			
Barium	4.69	0.042	"	5		94	80-120			
Nickel	2.42	0.0633	"	2.5		97	80-120			

LRB (LRB-L598376)

Prepared: 02/09/2022 Analyzed: 02/13/2022

Copper	ND	0.25	mg/Kg				-			
Zinc	ND	2.5	"				-			
Silver	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

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 L599558 -										
DUP (L 91183-DUP)		Source: Y201390-04			Prepared: Analyzed: 02/15/2022					
Chromium, Hexavalent	ND	0.488	mg/Kg		<1.00		-	0	20	
MS (L 91183-MS)		Source: Y201390-04			Prepared: Analyzed: 02/15/2022					
Chromium, Hexavalent	6.14	0.488	mg/Kg	8	<0.488	77	75-125			
LCS (LCS)		Prepared: Analyzed: 02/15/2022								
Chromium, Hexavalent	6.84	0.244	mg/Kg	8		86	75-125			
LRB (LRB)		Prepared: Analyzed: 02/15/2022								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L596105 - 3550B

MSD (L 91172-MSD-L596105)		Source: 91172			Prepared: 01/24/2022 Analyzed: 01/25/2022					
Benzo(a)anthracene	0.12	0.00493	mg/Kg	0.167	0.0121	64.6	30-130	10.2	30	
Naphthalene	0.414	0.00484	"	0.167	0.225	113	30-130	14.1	30	
2-Methylnaphthalene	1.19	0.00645	"	0.167	0.92	162	30-130	11.1	30	*
Benzo(k)fluoranthene	0.101	0.00437	"	0.167	91172	60.4	30-130	5.2	30	
Anthracene	0.101	0.00334	"	0.167	0.0194	48.8	30-130	2.3	30	
Pyrene	0.158	0.00643	"	0.167	0.0507	64.2	30-130	7.9	30	
Benzo(a)pyrene	0.123	0.00468	"	0.167	0.00504	73.6	30-130	0	30	
Benzo(b)fluoranthene	0.109	0.00585	"	0.167	0.00975	59.4	30-130	3.7	30	
1-Methylnaphthalene	1.35	0.00364	"	0.167	1.02	198	30-130	16.3	30	*
Indeno(1,2,3-cd)pyrene	0.0903	0.00627	"	0.167	91172	54	30-130	4.4	30	
Fluorene	0.386	0.00286	"	0.167	0.261	74.8	30-130	11.7	30	
Fluoranthene	0.116	0.00394	"	0.167	0.00906	64	30-130	2.5	30	
Dibenz(a,h)anthracene	0.107	0.00614	"	0.167	91172	64	30-130	5.4	30	
Chrysene	0.211	0.00624	"	0.167	0.102	65.2	30-130	9.9	30	
Acenaphthene	0.18	0.00304	"	0.167	0.0708	65.3	30-130	10	30	
Surrogate: Nitrobenzene-d5	65.1		"	0.333	208	65.1	29-110			
Surrogate: 2-Fluorobiphenyl	58.8		"	0.333	206	58.8	33-115			
Surrogate: 4-Terphenyl-d14	76.2		"	0.333	279	76.2	33-122			

MS (L 91172-MS-L596105)		Source: 91172			Prepared: 01/24/2022 Analyzed: 01/25/2022					
Benzo(k)fluoranthene	0.0958	0.00437	mg/Kg	0.167	91172	57.3	30-130			
2-Methylnaphthalene	1.33	0.00645	"	0.167	0.92	246	30-130			*
Acenaphthene	0.199	0.00304	"	0.167	0.0708	76.7	30-130			
Anthracene	0.0987	0.00334	"	0.167	0.0194	47.4	30-130			
Benzo(a)anthracene	0.133	0.00493	"	0.167	0.0121	72.3	30-130			
Benzo(a)pyrene	0.123	0.00468	"	0.167	0.00504	73.6	30-130			
Benzo(b)fluoranthene	0.105	0.00585	"	0.167	0.00975	57	30-130			

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L596105 - 3550B

MS (L 91172-MS-L596105)	Source: 91172			Prepared: 01/24/2022 Analyzed: 01/25/2022						
Pyrene	0.171	0.00643	mg/Kg	0.167	0.0507	72	30-130			
1-Methylnaphthalene	1.59	0.00364	"	0.167	1.02	341	30-130			*
Chrysene	0.233	0.00624	"	0.167	0.102	78.4	30-130			
Dibenz(a,h)anthracene	0.113	0.00614	"	0.167	91172	67.6	30-130			
Fluoranthene	0.119	0.00394	"	0.167	0.00906	65.8	30-130			
Fluorene	0.434	0.00286	"	0.167	0.261	104	30-130			
Indeno(1,2,3-cd)pyrene	0.0944	0.00627	"	0.167	91172	56.5	30-130			
Naphthalene	0.477	0.00484	"	0.167	0.225	151	30-130			*
Surrogate: 4-Terphenyl-d14	77.4		"	0.333	279	77.4	33-122			
Surrogate: Nitrobenzene-d5	68.7		"	0.333	208	68.7	29-110			
Surrogate: 2-Fluorobiphenyl	58.2		"	0.333	206	58.2	33-115			

LCS (LCS-L596105)	Prepared: 01/24/2022 Analyzed: 01/25/2022									
Benzo(a)pyrene	0.0992	0.000468	mg/Kg	0.167		59.4	30-130			
1-Methylnaphthalene	0.0892	0.000364	"	0.167		53.4	30-130			
2-Methylnaphthalene	0.0899	0.000645	"	0.167		53.8	30-130			
Acenaphthene	0.0812	0.000304	"	0.167		48.6	30-130			
Benzo(a)anthracene	0.0945	0.000493	"	0.167		56.5	30-130			
Benzo(b)fluoranthene	0.0626	0.000585	"	0.167		37.4	30-130			
Benzo(k)fluoranthene	0.0815	0.000437	"	0.167		48.8	30-130			
Chrysene	0.0908	0.000624	"	0.167		54.3	30-130			
Dibenz(a,h)anthracene	0.0967	0.000614	"	0.167		57.9	30-130			
Fluoranthene	0.0988	0.000394	"	0.167		59.1	30-130			
Indeno(1,2,3-cd)pyrene	0.0896	0.000627	"	0.167		53.6	30-130			
Naphthalene	0.0903	0.000484	"	0.167		54	30-130			
Pyrene	0.0961	0.000643	"	0.167		57.5	30-130			
Fluorene	0.0905	0.000286	"	0.167		54.1	30-130			

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - LDS White #D 17-2, 8 TB

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L596105 - 3550B

LCS (LCS-L596105)

Prepared: 01/24/2022 Analyzed: 01/25/2022

Anthracene	0.0904	0.000334	mg/Kg	0.167		54.1	30-130			
Surrogate: 2-Fluorobiphenyl	63.3		"	0.333		63.3	33-115			
Surrogate: 4-Terphenyl-d14	66.6		"	0.333		66.6	33-122			
Surrogate: Nitrobenzene-d5	58.8		"	0.333		58.8	29-110			

LRB (LRB-L596105)

Prepared: 01/24/2022 Analyzed: 01/25/2022

Pyrene	ND	0.00067	mg/Kg				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	61.2		"	0.333		61.2	29-110			
Surrogate: 4-Terphenyl-d14	64.5		"	0.333		64.5	33-122			
Surrogate: 2-Fluorobiphenyl	64.5		"	0.333		64.5	33-115			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - LDS White #D 17-2, 8 TB

Notes and Definitions

- U Sample is Non-Detect.
- J Estimated Value. Analyte below reported quantitation limit.
- * 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.

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.