



FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Boring Analytical Map

Figure 4: Soil Boring Metals in Soil Map

Figure 5: Background Comparison Map



TOPOGRAPHIC SITE LOCATION MAP
 WELLS RANCH #AA35-62-1AHNC
 HISTORICAL RELEASE
 40.437499 / -104.394114
 SW¼ SW¼ SEC.36 T6N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-38670
 REMEDIATION # 30294






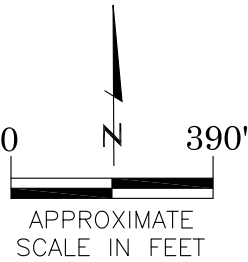
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 ENVIRONMENTAL
 CONSULTING, LLC

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LEGEND

-  FORMER WELLS RANCH #AA35-62-1AHNC WELLHEAD (PLUGGED AND ABANDONED)
-  ASSOCIATED SEPARATOR
-  APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP
WELLS RANCH #AA35-62-1AHNC
HISTORICAL RELEASE
40.437499 / -104.394114
SW¼ SW¼ SEC.36 T6N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-38670
REMEDIATION # 30294

FIGURE NO.
2

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SB-02@7.5-10'
08/06/24
7.5-10'
ALL OTHER VALUES = BRL

SB-02@10-12.5'
08/06/24
10-12.5'
ALL OTHER VALUES = BRL

SB-03@7.5-10'
08/06/24
7.5-10'
ALL OTHER VALUES = BRL

SB-03@10-12.5'
08/06/24
10-12.5'
ALL OTHER VALUES = BRL

SB-04@7.5-10'
08/06/24
7.5-10'
ALL OTHER VALUES = BRL

SB-04@10-12.5'
08/06/24
10-12.5'
ALL OTHER VALUES = BRL

SB-01@7.5-10'
08/06/24
7.5-10'
ALL OTHER VALUES = BRL

SB-01@15-17.5'
08/06/24
15-17.5'
ALL OTHER VALUES = BRL

SB-05@7.5-10'
08/06/24
7.5-10'
ALL OTHER VALUES = BRL

SB-05@10-12.5'
08/06/24
10-12.5'
ALL OTHER VALUES = BRL

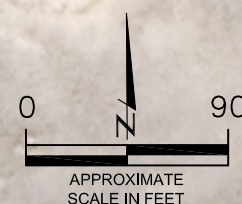
BACKGROUND-02

BACKGROUND-03

BACKGROUND-04

BACKGROUND-05

BACKGROUND-06



----- INITIAL ASSESSMENT BOUNDARIES

● APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

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

mg/kg = MILLIGRAMS PER KILOGRAM
mg/L = MILLIGRAMS PER LITER

NA - NOT ANALYZED
BRL - BELOW REGULATORY LIMITS

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

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

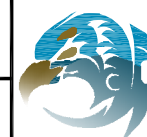
VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

SOIL BORING ANALYTICAL MAP
WELLS RANCH #AA35-62-1AHNC
HISTORICAL RELEASE
40.437499 / -104.394114
SW¼ SW¼ SEC.36 T6N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-38670
REMEDATION # 30294

FIGURE NO.
3

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----- INITIAL ASSESSMENT BOUNDARIES

● APPROXIMATE LOCATION OF SOIL SAMPLES
SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH
Arsenic = (mg/kg)
Barium = (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

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

ELEVATED METALS ARE NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVELS ARE 1.25*BACKGROUND HIGH CONCENTRATIONS, EXCLUDING OUTLIERS, WHERE APPLICABLE.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS AND APPLICABLE LOCAL CLEAN-UP LEVELS.

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

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

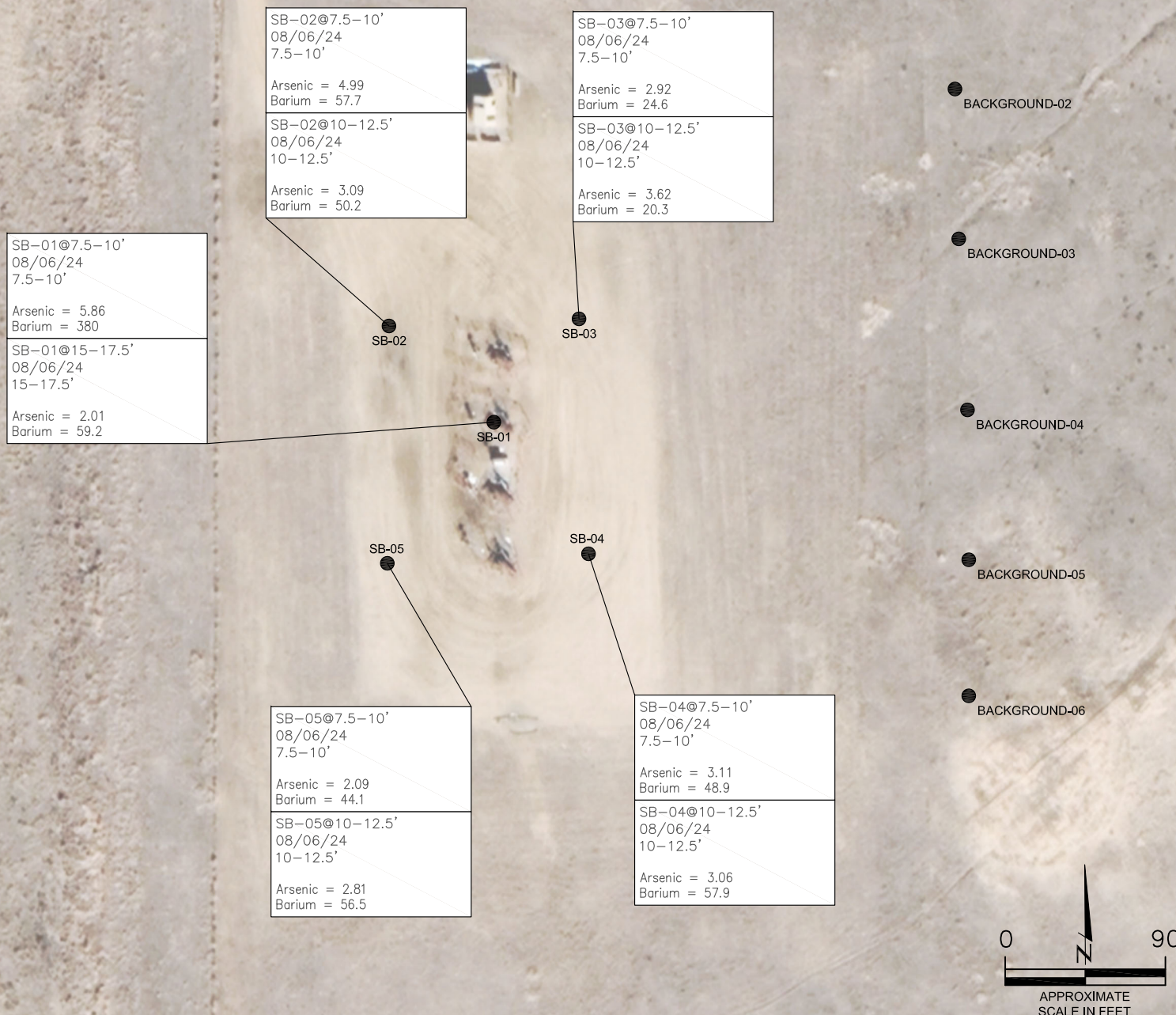
SOIL BORING METALS IN SOIL MAP
WELLS RANCH #AA35-62-1AHNC
HISTORICAL RELEASE
40.437499 / -104.394114
SW¼ SW¼ SEC.36 T6N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-38670
REMEDIAL # 30294

FIGURE NO.
4

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BACKGROUND-02@7.5-10'
08/06/24
7.5-10'

Arsenic = 10.8
Barium = 64.6

BACKGROUND-02@10-12.5'
08/06/24
10-12.5'

Arsenic = 13.9
Barium = 79.2

BACKGROUND-02@15-17.5'
08/06/24
15-17.5'

Arsenic = 3.21
Barium = 111

BACKGROUND-03@7.5-10'
08/06/24
7.5-10'

Arsenic = 4.62
Barium = 54.9

BACKGROUND-03@10-12.5'
08/06/24
10-12.5'

Arsenic = 3.09
Barium = 43.4

BACKGROUND-03@15-17.5'
08/06/24
15-17.5'

Arsenic = 7.38
Barium = 47.3

SB-02

SB-03

SB-01

BACKGROUND-02

BACKGROUND-03

BACKGROUND-04

BACKGROUND-04@7.5-10'
08/06/24
7.5-10'

Arsenic = 4.92
Barium = 63.5

BACKGROUND-04@10-12.5'
08/06/24
10-12.5'

Arsenic = 2.06
Barium = 24.6

BACKGROUND-04@15-17.5'
08/06/24
15-17.5'

Arsenic = 18.8
Barium = 35.2

SB-05

SB-04

BACKGROUND-05@7.5-10'
08/06/24
7.5-10'

Arsenic = 6.15
Barium = 48.6

BACKGROUND-05@10-12.5'
08/06/24
10-12.5'

Arsenic = 11.5
Barium = 826

BACKGROUND-05@15-17.5'
08/06/24
15-17.5'

Arsenic = 3.54
Barium = 70.7

BACKGROUND-05

BACKGROUND-06

BACKGROUND-06@7.5-10'
08/06/24
7.5-10'

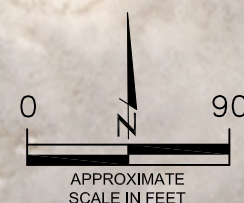
Arsenic = 2.72
Barium = 51.5

BACKGROUND-06@10-12.5'
08/06/24
10-12.5'

Arsenic = 2.14
Barium = 30.4

BACKGROUND-06@15-17.5'
08/06/24
15-17.5'

Arsenic = 18.5
Barium = 31.9



----- INITIAL ASSESSMENT BOUNDARIES
● SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES
SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH
Arsenic = (mg/kg)
Barium = (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

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

ELEVATED METALS ARE NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVELS ARE 1.25*BACKGROUND HIGH CONCENTRATIONS, EXCLUDING OUTLIERS, WHERE APPLICABLE.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS AND APPLICABLE LOCAL CLEAN-UP LEVELS.

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

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

BACKGROUND COMPARISON MAP
WELLS RANCH #AA35-62-1AHNC
HISTORICAL RELEASE
40.437499 / -104.394114
SW¼ SW¼ SEC.36 T6N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-38670
REMEDATION # 30294

FIGURE NO.
5

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TABLES

Table 1: Field Data Summary

Table 2: Summary of Volatile Organic Soil Chemistry Data

Table 3: Summary of PAH Soil Chemistry Data

Table 4: Summary of Soil Suitability for Reclamation

Table 5: Summary of Metals in Soil Chemistry Data

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE ENERGY 100322
WELLS RANCH #AA35-62-1AHNC, WELD COUNTY, COLORADO
REM # 30294

Sample ID	Sample Date	Depth	GPS Data Latitude/Longitude		VOC Concentration (ppm)
WH-FS-01 @ 4'	1/3/2024	4	40.437494	-104.394132	57.9
WH-SS-01 @ 3'	1/3/2024	3	40.437501	-104.394132	0.4
WH-SS-02 @ 3'	1/3/2024	3	40.437494	-104.394124	0.3
WH-SS-03 @ 3'	1/3/2024	3	40.437486	-104.394132	0.3
WH-SS-04 @ 3'	1/3/2024	3	40.437494	-104.394145	8.9
SB-01 @ 7.5-10'	8/6/2024	7.5-10	40.437488	-104.394133	8.2
SB-01 @ 15-17.5'	8/6/2024	15-17.5	40.437488	-104.394133	7.0
SB-02 @ 7.5-10'	8/6/2024	7.5-10	40.437585	-104.394305	9.4
SB-02 @ 15-12.5'	8/6/2024	15-12.5	40.437585	-104.394305	7.6
SB-03 @ 7.5-10'	8/6/2024	7.5-10	40.437590	-104.393969	8.5
SB-03 @ 15-12.5'	8/6/2024	15-12.5	40.437590	-104.393969	4.8
SB-04 @ 7.5-10'	8/6/2024	7.5-10	40.437346	-104.393963	7.4
SB-04 @ 15-12.5'	8/6/2024	15-12.5	40.437346	-104.393963	5.3
SB-05 @ 7.5-10'	8/6/2024	7.5-10	40.437341	-104.394298	4.8
SB-05 @ 15-12.5'	8/6/2024	15-12.5	40.437341	-104.394298	4.1
Background-01 @ 3'	1/3/2024	3	40.437714	-104.393312	0.2
Background-02 @ 7.5-10'	8/6/2024	7.5-10	40.437952	-104.393191	4.2
Background-02 @ 10-12.5'	8/6/2024	10-12.5	40.437952	-104.393191	4.5
Background-02 @ 15-17.5'	8/6/2024	15-17.5	40.437952	-104.393191	2.9
Background-03 @ 7.5-10'	8/6/2024	7.5-10	40.437751	-104.393186	4.8
Background-03 @ 10-12.5'	8/6/2024	10-12.5	40.437751	-104.393186	6.1
Background-03 @ 15-17.5'	8/6/2024	15-17.5	40.437751	-104.393186	4.4
Background-04 @ 7.5-10'	8/6/2024	7.5-10	40.437526	-104.393197	6.4
Background-04 @ 10-12.5'	8/6/2024	10-12.5	40.437526	-104.393197	4
Background-04 @ 15-17.5'	8/6/2024	15-17.5	40.437526	-104.393197	4.8
Background-05 @ 7.5-10'	8/6/2024	7.5-10	40.437289	-104.393203	8.2
Background-05 @ 10-12.5'	8/6/2024	10-12.5	40.437289	-104.393203	7.1
Background-05 @ 15-17.5'	8/6/2024	15-17.5	40.437289	-104.393203	3.7
Background-06 @ 7.5-10'	8/6/2024	7.5-10	40.437076	-104.393203	6
Background-06 @ 10-12.5'	8/6/2024	10-12.5	40.437076	-104.393203	4.1
Background-06 @ 15-17.5'	8/6/2024	15-17.5	40.437076	-104.393203	4.9

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
WELLS RANCH #AA35-62-1AHNC, WELD COUNTY, COLORADO
REM # 30294

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl- Benzene (mg/kg)	1,3,5-Trimethyl- Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
WH-FS-01 @ 4'	1/3/2024	4	0.0121	0.158	0.0522	0.371	0.137	0.0345	0.0218	73.79	8.19	65.6	<100
WH-SS-01 @ 3'	1/3/2024	3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-02 @ 3'	1/3/2024	3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-03 @ 3'	1/3/2024	3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-04 @ 3'	1/3/2024	3	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-01 @ 7.5-10'	8/6/2024	7.5-10	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-01 @ 15-17.5'	8/6/2024	15-17.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-02 @ 7.5-10'	8/6/2024	7.5-10	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-02 @ 15-12.5'	8/6/2024	15-12.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-03 @ 7.5-10'	8/6/2024	7.5-10	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-03 @ 15-12.5'	8/6/2024	15-12.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-04 @ 7.5-10'	8/6/2024	7.5-10	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-04 @ 15-12.5'	8/6/2024	15-12.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-05 @ 7.5-10'	8/6/2024	7.5-10	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-05 @ 15-12.5'	8/6/2024	15-12.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
Background-01 @ 3'	1/3/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

1. Bold values exceed the ECMC Table 915-1 limit(s)
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
3. * Indicates laboratory minimum detection limit in excess of SSL
4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
WELLS RANCH #AA35-62-1AHNC, WELD COUNTY, COLORADO
REM # 30294

Sample ID	Sample Date	Depth (ft)	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)	Dibenz (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
WH-F5-01 @ 4'	1/3/2024	4	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.096	0.136
WH-SS-01 @ 3'	1/3/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
WH-SS-02 @ 3'	1/3/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
WH-SS-03 @ 3'	1/3/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
WH-SS-04 @ 3'	1/3/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.003	0.005
SB-01 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-01 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-02 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-02 @ 15-12.5'	8/6/2024	15-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-03 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-03 @ 15-12.5'	8/6/2024	15-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-04 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-04 @ 15-12.5'	8/6/2024	15-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-05 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-05 @ 15-12.5'	8/6/2024	15-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-01 @ 3'	1/3/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

1. Bold values exceed the ECMC Table 915-1 limit(s)

2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

3. * Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY 100322
WELLS RANCH #AA35-62-1AHNC, WELD COUNTY, COLORADO
REM # 30294

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	4	6	2
WH-FS-01 @ 4'	1/3/2024	4	8.55	0.629	0.62	0.243
WH-SS-01 @ 3'	1/3/2024	3	8.49	0.273	1.04	0.105
WH-SS-02 @ 3'	1/3/2024	3	8.39	0.353	0.63	0.110
WH-SS-03 @ 3'	1/3/2024	3	8.53	0.412	0.49	<0.100
WH-SS-04 @ 3'	1/3/2024	3	8.41	0.234	0.30	<0.0990
SB-01 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
SB-01 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA
SB-02 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
SB-02 @ 15-12.5'	8/6/2024	15-12.5	NA	NA	NA	NA
SB-03 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
SB-03 @ 15-12.5'	8/6/2024	15-12.5	NA	NA	NA	NA
SB-04 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
SB-04 @ 15-12.5'	8/6/2024	15-12.5	NA	NA	NA	NA
SB-05 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
SB-05 @ 15-12.5'	8/6/2024	15-12.5	NA	NA	NA	NA
Background-01 @ 3'	1/3/2024	3	8.00	0.891	2.87	0.320
Background-02 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
Background-02 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA
Background-02 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA
Background-03 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
Background-03 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA
Background-03 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA
Background-04 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
Background-04 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA
Background-04 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA
Background-05 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
Background-05 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA
Background-05 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA
Background-06 @ 7.5-10'	8/6/2024	7.5-10	NA	NA	NA	NA
Background-06 @ 10-12.5'	8/6/2024	10-12.5	NA	NA	NA	NA
Background-06 @ 15-17.5'	8/6/2024	15-17.5	NA	NA	NA	NA
Maximum Background Concentration			8.00	0.891	2.87	0.320
Average Background Concentration			8.00	0.891	2.87	0.32

1. Bold faced values exceed the ECMC Table 915-1 limit(s)

2. Blue highlighted soil analytical values indicate a regulatory exceedance

Laboratory reruns may be conducted on samples with pH results exceeding ECMC Table 915-1 regulatory range. Results of the reruns will be presented in parentheses.

NA - Not analyzed

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
WELLS RANCH #AA35-62-1AHNC, WELD COUNTY, COLORADO
REM # 30294

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg) **	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
WH-FS-01 @ 4'	1/3/2024	4	2.61	7350	0.328	<0.244	13.9	3.91	6.46	<0.0893	<0.0893	97.2
WH-SS-01 @ 3'	1/3/2024	3	3.92	102	0.116	<0.244	<9.17	5.32	6.75	<0.0917	<0.0917	25.2
WH-SS-02 @ 3'	1/3/2024	3	3.78	85.6	0.287	<0.244	<9.12	6.85	11.00	<0.0912	<0.0912	39.7
WH-SS-03 @ 3'	1/3/2024	3	2.23	87.7	0.2	<0.244	<8.82	5.88	6.84	<0.0882	<0.0882	33.7
WH-SS-04 @ 3'	1/3/2024	3	3.48	133	0.125	<0.244	<9.20	5.08	4.88	<0.0920	<0.0920	29.5
SB-01 @ 7.5-10'	8/6/2024	7.5-10	5.86	380	NA	NA	NA	NA	NA	NA	NA	NA
SB-01 @ 15-17.5'	8/6/2024	15-17.5	2.01	59.2	NA	NA	NA	NA	NA	NA	NA	NA
SB-02 @ 7.5-10'	8/6/2024	7.5-10	4.99	57.7	NA	NA	NA	NA	NA	NA	NA	NA
SB-02 @ 15-12.5'	8/6/2024	15-12.5	3.09	50.2	NA	NA	NA	NA	NA	NA	NA	NA
SB-03 @ 7.5-10'	8/6/2024	7.5-10	2.92	24.6	NA	NA	NA	NA	NA	NA	NA	NA
SB-03 @ 15-12.5'	8/6/2024	15-12.5	3.62	20.3	NA	NA	NA	NA	NA	NA	NA	NA
SB-04 @ 7.5-10'	8/6/2024	7.5-10	3.11	48.9	NA	NA	NA	NA	NA	NA	NA	NA
SB-04 @ 15-12.5'	8/6/2024	15-12.5	3.06	57.9	NA	NA	NA	NA	NA	NA	NA	NA
SB-05 @ 7.5-10'	8/6/2024	7.5-10	2.09	44.1	NA	NA	NA	NA	NA	NA	NA	NA
SB-05 @ 15-12.5'	8/6/2024	15-12.5	2.81	56.5	NA	NA	NA	NA	NA	NA	NA	NA
Background-01 @ 3'	1/3/2024	3	5.24	75.9	0.126	0.164	<9.05	7.43	8.69	0.354	<0.905	46.1
Background-02 @ 7.5-10'	8/6/2024	7.5-10	10.8	64.6	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 10-12.5'	8/6/2024	10-12.5	13.9	79.2	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 15-17.5'	8/6/2024	15-17.5	3.21	111	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 7.5-10'	8/6/2024	7.5-10	4.62	54.9	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 10-12.5'	8/6/2024	10-12.5	3.09	43.4	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 15-17.5'	8/6/2024	15-17.5	7.38	47.3	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 7.5-10'	8/6/2024	7.5-10	4.92	63.5	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 10-12.5'	8/6/2024	10-12.5	2.06	24.6	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 15-17.5'	8/6/2024	15-17.5	18.8	35.2	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 7.5-10'	8/6/2024	7.5-10	6.15	48.6	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 10-12.5'	8/6/2024	10-12.5	11.5	826	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 15-17.5'	8/6/2024	15-17.5	3.54	70.7	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 7.5-10'	8/6/2024	7.5-10	2.72	51.5	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 10-12.5'	8/6/2024	10-12.5	2.14	30.4	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 15-17.5'	8/6/2024	15-17.5	18.5	31.9	NA	NA	NA	NA	NA	NA	NA	NA
Maximum Background Concentration			18.8	826	NA	NA	NA	NA	NA	NA	NA	NA
Local Clean-up Level (125% Average Background Concentration)			23.5	1032.5	0.38	0.00067	46	14	26	0.26	0.8	370

1. Bold values exceed the local clean-up levels & ECMC Table 915-1 limit(s)
 2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
- Elevated metals are naturally occurring in Colorado. Local clean-up levels are 1.25*Maximum Background Concentration, where applicable.
- * Indicates laboratory minimum detection limit in excess of SSL
- ** Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1.0 mg/kg
- NA - Not analyzed



ATTACHMENT A

Soil Boring Logs

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') clayey SAND- brown, dry to moist, loose, fine grained, poorly-graded with ~10% clay and trace gravel, N/O, N/S	SC	DP	1	75	3.3	N/A		Well not completed	
						5.5				
5	(5-8') clayey SAND - brown, moist, loose to medium dense, fine grained, poorly-graded with ~20% clay, N/O, N/S	DP	2	100		6.4	N/A			
						8.2				
10	(8-10') sandy CLAY - brown, moist, medium stiff to stiff, low plasticity, poorly-graded with ~10% sand, NO, black staining	CL	DP	3	85	7.3	N/A			
	(10-16') sandy CLAY - brown and grey, moist, stiff, low plasticity, poorly graded with ~10% sand, N/O, N/S, Fe present					7.5				
15	@ ~14' clayey SAND lense	SC								
		CL								
	(16-17.5') clayey SAND - brown, orange, and grey, moist, medium dense, fine grained, poorly-graded with ~30% clay, N/O, N/S	SC	DP	4	80	7.0	N/A			
20	BoB @ 17.5'									
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 17.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1043/1130

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1049 & 15-17.5/1105



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Boring Log/Well Completion Diagram:

SB-02

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') clayey SAND - brown, dry to moist, loose, fine grained, poorly-graded with ~10% clay, N/O, N/S	SC	DP	1	85	8.8	N/A			
						10.1				
5	(5-10') clayey SAND - brown, orange, and grey, moist, loose to medium dense, fine grained, poorly-graded with ~20% clay, N/O, N/S @~10' - black HC staining, Fe present		DP	2	85	5.8	N/A	5		
						9.4				
10	(10-12.5') clayey SAND - brown and grey, moist, dense, fine grained, poorly graded with ~25% clay, N/O, N/S	CL	DP	3	100	7.6	N/A	10		
	BoB @ 12.5'									
15								15		
20								20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1220/1240

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1233 & 10-12.5/1240



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') clayey SAND- brown, dry to moist, loose to medium dense, fine grained, poorly-graded with ~20% clay, N/O, N/S	SC	DP	1	85	8.7	N/A		Well not completed	
						9.3				
5	(5-6.5') sandy CLAY - dark brown, moist, stiff, low plasticity, poorly-graded with ~15% sand, N/O, black staining	CL				5.4				
	(6.5-9') clayey SAND - brown, moist, loose, fine grained, poorly graded with ~15% clay, N/O, N/S		DP	2	100	8.5	N/A			
10	(9-12.5') clayey SAND - light brown, moist, medium dense to loose, fine grained, poorly graded with ~20% clay, N/O, black staining @ 10.5' Fe present	SC								
			DP	3	90	4.8	N/A			
	BoB @ 12.5'									
15										
20										
25										
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1205/1220

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1212 & 10-12.5/1219



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Boring Log/Well Completion Diagram:

SB-04

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') clayey SAND- brown, dry to moist, loose to medium dense, fine grained, poorly-graded with ~20% clay, N/O, N/S	SC	DP	1	90	9.0	N/A		Well not completed	
						8.9				
-5	(4-10') clayey SAND - brown, moist, loose, fine grained, poorly graded with ~10% clay, N/O, N/S		DP	2	90	7.5	N/A	-5		
						7.4				
-10	@ 9' sandy CLAY lense	CL						-10		
	(10-12.5') clayey SAND - brown, grey, and orange, moist, loose to medium dense, fine grained, poorly graded with ~10-20% clay, N/O, N/S, Fe present	SC	DP	3	85	5.3	N/A	-10		
	BoB @ 12.5'									
-15								-15		
-20								-20		
-25								-25		
-30								-30		

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1130/1145

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1140 & 10-12.5/1144



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') clayey SAND- brown, dry to moist, loose to medium dense, fine grained, poorly-graded with ~20% clay, N/O, N/S	SC	DP	1	75	7.1	N/A		Well not completed	
						7.0				
5	(4-10') clayey SAND - brown, moist, loose, fine grained, poorly graded with ~10% clay, N/O, N/S	CL	DP	2	95	6.2	N/A			
						4.8				
10	(9-10') sandy CLAY - brown and orange, moist, soft to medium stiff, low plasticity, poorly graded with ~15% sandy, N/O, N/S, Fe present	SC	DP	3	85	4.1	N/A			
	(10-12.5') clayey SAND - brown, grey, and orange, moist, loose to medium dense, fine grained, poorly graded with ~10-20% clay, N/O, N/S, Fe present									
	BoB @ 12.5'									
15										
20										
25										
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1153/1205

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1159 & 10-12.5/1200



EAGLE
ENVIRONMENTAL
CONSULTING, LLC

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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	90	2.8	N/A			
						3.5				
5	(5-8.5') clayey SAND - brown, orange, and grey, dry, medium dense, fine grained, poorly-graded with ~25% clay, N/O, N/S	SC	DP	2	100	3.9	N/A	5		
						4.2				
10	(8.5-11') silty SAND - grey, dry, loose, fine grained, poorly-graded with ~25% silt, N/O, N/S, Fe present	SM				4.5	N/A	10		
						4.9				
15	(11-15') clayey SAND - brown and grey, dry, medium dense, fine grained, poorly graded with ~25% clay, N/O, N/S, Fe present	CL	DP	3	80	2.9	N/A	15		
	(15-17.5') clayey SAND - dark brown, dry, medium dense, fine grained, poorly-graded with ~25% clay, N/O, N/S	DP	4	80						
	BoB @ 17.5'									
20								20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 17.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1300/1325

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1310, 10-12.5/1315,
15-17.5/1125



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	85	4.9	N/A			
						6.2				
5	(5-12.5') clayey SAND - light brown to brown, dry, medium dense to dense, fine grained, poorly-graded with ~20% clay, N/O, N/S, Fe present	SC	DP	2	100	5.5	N/A	5		
						4.8				
10	(12.5-15') clayey SAND - light brown and orange, dry, dense, fine grained, poorly-graded with ~30% clay, N/O, N/S, Fe present	SC	DP	3	95	6.1	N/A	10		
						3.5				
15	(15-17.5') sandy CLAY - brown, dry, medium stiff, fine grained, low plasticity, poorly-graded with ~25% sand, N/O, N/S, Fe present	CL	DP	4	100	4.4	N/A	15		
	BoB @ 17.5'									
20								20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 17.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1325/1350

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1335, 10-12.5/1340,
15-17.5/1350



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SM	DP	1	85	4.2	N/A			
						5.3				
5	(5-8.5') clayey SAND - brown, orange, and grey, dry, medium dense, fine grained, poorly-graded with ~25% clay, N/O, N/S	SC	DP	2	100	7.1	N/A	5		
						6.4				
10	(8.5-17.5') sandy CLAY - brown, moist, stiff, fine grained, medium plasticity, poorly-graded with ~10% sand, N/O, dark HC staining	CL	DP	3	95	4.0	N/A	10		
						4.5				
15	@16' - Fe present		DP	4	100	4.8	N/A	15		
20	BoB @ 17.5'							20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 17.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1350/1420

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1405, 10-12.5/1410,
15-17.5/1420



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	85	8.1	N/A			
						5.4				
5	(5-8.5') clayey SAND - brown, orange, and grey, dry, medium dense, fine grained, poorly-graded with ~25% clay, N/O, N/S	SC	DP	2	100	6.2	N/A	5		
						8.2				
10	(8.5-11') silty SAND - grey, dry, loose, fine grained, poorly-graded with ~25% silt, N/O, N/S, Fe present	SM						10		
	(11-15') clayey SAND - brown and grey, dry, medium dense, fine grained, poorly graded with ~25% clay, N/O, N/S	CL	DP	3	85	7.1	N/A			
						4.3				
15	(15-17.5') clayey SAND - dark brown, dry, medium dense, fine grained, poorly-graded with ~25% clay, N/O, N/S, Fe present		DP	4	75	3.7	N/A	15		
	BoB @ 17.5'									
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 17.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1420/1445

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1430, 10-12.5/1435,
 15-17.5/1445



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, dry, loose, fine grained, poorly-graded with ~15% silt, N/O, N/S	SM	DP	1	85	6.7	N/A			
						4.3				
5	(5-12.5') clayey SAND - light brown to brown, dry, medium dense to dense, fine grained, poorly-graded with ~20% clay, N/O, N/S, Fe present	SC	DP	2	100	5.8	N/A	5		
						6.0				
10	(12.5-15') clayey SAND - light brown and orange, dry, dense, fine grained, poorly-graded with ~30% clay, N/O, N/S	CL	DP	3	90	4.1	N/A	10		
						3.6				
15	(15-17.5') sandy CLAY - brown, dry, medium stiff, fine grained, low plasticity, poorly-graded with ~25% sand, N/O, N/S, Fe present	CL	DP	4	90	4.9	N/A	15		
	BoB @ 17.5'									
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 08/06/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: WELLS RANCH #AA35-62-1AHNC

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: R. SEYLER

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 17.5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #13

TIME STARTED/COMPLETED: 1445/1530

SAMPLE COLLECTION DEPTH (FT.)/TIME: 7.5-10/1515, 10-12.5/1520,
 15-17.5/1530



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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 Ph: 303-433-0479 • F: 303-325-5449



ATTACHMENT B

Laboratory Analytical Reports



January 16, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Wells Ranch
#AA35-62-1AHNC**

Project Number - [none]

Attached are your analytical results for Noble - Wells Ranch #AA35-62-1AHNC received by Origins Laboratory, Inc. January 04, 2024. This project is associated with Origins project number Y401078-01.

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

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

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

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

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

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



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-SS-01@3'	Y401078-01	Soil	January 3, 2024 12:46	01/04/2024 15:17
WH-SS-02@3'	Y401078-02	Soil	January 3, 2024 12:48	01/04/2024 15:17
WH-SS-03@3'	Y401078-03	Soil	January 3, 2024 12:50	01/04/2024 15:17
WH-SS-04@3'	Y401078-04	Soil	January 3, 2024 12:52	01/04/2024 15:17
WH-FS-01@4'	Y401078-05	Soil	January 3, 2024 12:54	01/04/2024 15:17
Background-01@3'	Y401078-06	Soil	January 3, 2024 13:15	01/04/2024 15:17

Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4401078

Client: Eagle

Client Project ID: Wells Ranch AA35-62-1A4

Checklist Completed by: SLK

Shipped Via: HD

Date/time completed: 1/4/24

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

Airbill #: N/A

Matrix(s) Received: (Check all that apply): 0 Soil/Solid Water Other:

Cooler Number/Temperature: 1118 °C °C °C (Describe) °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			X	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			X	
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ½ inch bubble) present? If yes, contact client and note in narrative.			X	
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)			X	
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: JP (Project Manager)

Date/Time Reviewed: 1-5-24

Origins Laboratory, Inc.

J. Bynon

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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-01@3'
1/3/2024 12:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.105	0.100	mg/L	1	B4A0508	01/05/2024	01/08/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4A0517	01/05/2024	01/08/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	85.6 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4A0430	01/04/2024	01/06/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Naphthalene	ND	0.00380	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-01@3'
1/3/2024 12:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	114 %	70-130	B4A04 30	01/04/2024	01/06/2024
Surrogate: Toluene-d8	96.7 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	88.7 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.28	0.499	meq/L	10	[CALC]	01/06/2024	01/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.983	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A0506	01/05/2024	01/05/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-01@3'
1/3/2024 12:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-01 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B4A0506	01/05/2024	01/05/2024	U
Fluorene	ND	0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.4 %	60-130	"	"	"
Surrogate: Anthracene-d10	97.3 %	60-130	"	"	"
Surrogate: Pyrene-d10	103 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.3 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.49	pH Units	1	B4A0608	01/06/2024	01/08/2024
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SAR by 20B Saturated Paste

SAR	1.04	0.0100	SAR	1	B4A0604	01/06/2024	01/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.273	0.00500	mmhos/cm	1	B4A0608	01/06/2024	01/08/2024
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-01@3'

1/3/2024 12:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.92	0.0917	mg/kg	10	B4A0437	01/05/2024	01/08/2024
Barium	102	9.17	"	"	"	"	"
Cadmium	0.116	0.0917	"	"	"	"	"
Copper	ND	9.17	"	"	"	"	"
Lead	5.32	0.917	"	"	"	"	"
Nickel	6.75	0.917	"	"	"	"	"
Selenium	ND	0.0917	"	"	"	"	"
Silver	ND	0.0917	"	"	"	"	"
Zinc	25.2	9.17	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L727055	01/03/2024	01/11/2024
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Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-02@3'
1/3/2024 12:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.110	0.101	mg/L	1	B4A0508	01/05/2024	01/08/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4A0517	01/05/2024	01/08/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	87.0 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4A0430	01/04/2024	01/06/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Naphthalene	ND	0.00380	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-02@3'
1/3/2024 12:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	115 %	70-130	B4A04 30	01/04/2024	01/06/2024
Surrogate: Toluene-d8	96.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	89.5 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.13	0.499	meq/L	10	[CALC]	01/06/2024	01/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.760	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A0506	01/05/2024	01/05/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-02@3'
1/3/2024 12:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-02 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B4A0506	01/05/2024	01/05/2024	U
Fluorene	ND	0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.9 %	60-130	"	"	"
Surrogate: Anthracene-d10	94.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	103 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	97.2 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.39	pH Units	1	B4A0608	01/06/2024	01/08/2024
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SAR by 20B Saturated Paste

SAR	0.632	0.0100	SAR	1	B4A0604	01/06/2024	01/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.353	0.00500	mmhos/cm	1	B4A0608	01/06/2024	01/08/2024
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-02@3'

1/3/2024 12:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.78	0.0912	mg/kg	10	B4A0437	01/05/2024	01/08/2024
Barium	95.6	9.12	"	"	"	"	"
Cadmium	0.287	0.0912	"	"	"	"	"
Copper	ND	9.12	"	"	"	"	"
Lead	6.85	0.912	"	"	"	"	"
Nickel	11.0	0.912	"	"	"	"	"
Selenium	ND	0.0912	"	"	"	"	"
Silver	ND	0.0912	"	"	"	"	"
Zinc	39.7	9.12	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L727055	01/03/2024	01/11/2024
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Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-03@3'
1/3/2024 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.100	mg/L	1	B4A0508	01/05/2024	01/08/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4A0517	01/05/2024	01/08/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.0 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4A0430	01/04/2024	01/06/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Naphthalene	ND	0.00380	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Jordan A. Bynon, Project Manager

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-03@3'
1/3/2024 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	117 %	70-130	B4A04 30	01/04/2024	01/06/2024
Surrogate: Toluene-d8	96.7 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	89.0 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	01/06/2024	01/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A0506	01/05/2024	01/05/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-03@3'
1/3/2024 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-03 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B4A0506	01/05/2024	01/05/2024	U
Fluorene	ND	0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.2 %	60-130	"	"	"
Surrogate: Anthracene-d10	96.4 %	60-130	"	"	"
Surrogate: Pyrene-d10	101 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.53	pH Units	1	B4A0608	01/06/2024	01/08/2024
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SAR by 20B Saturated Paste

SAR	0.494	0.0100	SAR	1	B4A0604	01/06/2024	01/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.412	0.00500	mmhos/cm	1	B4A0608	01/06/2024	01/08/2024
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-03@3'

1/3/2024 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.23	0.0882	mg/kg	10	B4A0437	01/05/2024	01/08/2024
Barium	87.7	8.82	"	"	"	"	"
Cadmium	0.200	0.0882	"	"	"	"	"
Copper	ND	8.82	"	"	"	"	"
Lead	5.88	0.882	"	"	"	"	"
Nickel	6.84	0.882	"	"	"	"	"
Selenium	ND	0.0882	"	"	"	"	"
Silver	ND	0.0882	"	"	"	"	"
Zinc	33.7	8.82	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L727059	01/03/2024	01/11/2024
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Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-04@3'
1/3/2024 12:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0990	mg/L	1	B4A0508	01/05/2024	01/08/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4A0517	01/05/2024	01/08/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.3 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4A0430	01/04/2024	01/06/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Naphthalene	ND	0.00380	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-04@3'
1/3/2024 12:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	117 %	70-130	B4A04 30	01/04/2024	01/06/2024
Surrogate: Toluene-d8	96.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	90.2 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.21	0.499	meq/L	10	[CALC]	01/06/2024	01/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	0.003	0.002	mg/kg	1	B4A0506	01/05/2024	01/05/2024
2-Methylnaphthalene	0.005	0.002	"	"	"	"	"
Acenaphthene	ND	0.020	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	U

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-04@3'
1/3/2024 12:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-04 (Soil)

PAH by EPA 8270E

Fluoranthene	ND	0.020	mg/kg	1	B4A0506	01/05/2024	01/05/2024	U
Fluorene	ND	0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.6 %	60-130	"	"	"
Surrogate: Anthracene-d10	95.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	102 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.41	pH Units	1	B4A0608	01/06/2024	01/08/2024
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SAR by 20B Saturated Paste

SAR	0.295	0.0100	SAR	1	B4A0604	01/06/2024	01/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.234	0.00500	mmhos/cm	1	B4A0608	01/06/2024	01/08/2024
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-SS-04@3'
1/3/2024 12:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-04 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.48	0.0920	mg/kg	10	B4A0437	01/05/2024	01/08/2024
Barium	133	9.20	"	"	"	"	"
Cadmium	0.125	0.0920	"	"	"	"	"
Copper	ND	9.20	"	"	"	"	"
Lead	5.08	0.920	"	"	"	"	"
Nickel	4.88	0.920	"	"	"	"	"
Selenium	ND	0.0920	"	"	"	"	"
Silver	ND	0.0920	"	"	"	"	"
Zinc	29.5	9.20	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L727059	01/03/2024	01/11/2024
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Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-FS-01@4'
1/3/2024 12:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.243	0.102	mg/L	1	B4A0508	01/05/2024	01/08/2024
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	65.6	25.0	mg/kg	1	B4A0517	01/05/2024	01/08/2024
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

Surrogate: o-Terphenyl	84.4 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.137	0.00200	mg/kg	1	B4A0430	01/04/2024	01/06/2024
1,3,5-Trimethylbenzene	0.0345	0.00200	"	"	"	"	"
Benzene	0.0121	0.00200	"	"	"	"	"
Ethylbenzene	0.0522	0.00200	"	"	"	"	"
Naphthalene	0.0218	0.00380	"	"	"	"	"
Toluene	0.158	0.00200	"	"	"	"	"
Xylenes, total	0.371	0.00200	"	"	"	"	"
Gasoline Range Hydrocarbons	8.19	0.200	"	"	"	"	"

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

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-FS-01@4'
1/3/2024 12:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	87.4 %	70-130	B4A04 30	01/04/2024	01/06/2024
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Metals by Saturated Paste by EPA 6010

Calcium	3.02	0.499	meq/L	10	[CALC]	01/06/2024	01/08/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.845	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	0.096	0.002	mg/kg	1	B4A0506	01/05/2024	01/05/2024	
2-Methylnaphthalene	0.136	0.002	"	"	"	"	"	
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U
Fluorene	ND	0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-FS-01@4'
1/3/2024 12:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-05 (Soil)

PAH by EPA 8270E

Indeno (1,2,3-cd) pyrene	ND	0.020	mg/kg	1	B4A0506	01/05/2024	01/05/2024	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	98.8 %	60-130	"	"	"
Surrogate: Anthracene-d10	97.2 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.9 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.55	pH Units	1	B4A0608	01/06/2024	01/08/2024
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SAR by 20B Saturated Paste

SAR	0.617	0.0100	SAR	1	B4A0604	01/06/2024	01/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.629	0.00500	mmhos/cm	1	B4A0608	01/06/2024	01/08/2024
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Table 915 metals by EPA 6020B

Arsenic	2.61	0.0893	mg/kg	10	B4A0437	01/05/2024	01/08/2024
Barium	7350	8.93	"	"	"	"	"

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8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

WH-FS-01@4'

1/3/2024 12:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-05 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.328		0.0893	mg/kg	10	B4A0437	01/05/2024	01/08/2024	
Copper	13.9		8.93	"	"	"	"	"	"
Lead	3.91		0.893	"	"	"	"	"	"
Nickel	6.46		0.893	"	"	"	"	"	"
Selenium	ND		0.0893	"	"	"	"	"	"
Silver	ND		0.0893	"	"	"	"	"	"
Zinc	97.2		8.93	"	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L727059	01/03/2024	01/11/2024	
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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-01@3'
1/3/2024 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401078-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.165	0.0991	mg/L	1	B4A0508	01/05/2024	01/08/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.99	0.499	meq/L	10	[CALC]	01/06/2024	01/08/2024
Magnesium	0.846	0.823	"	"	"	"	"
Sodium	0.634	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.46		pH Units	1	B4A0608	01/06/2024	01/08/2024
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SAR by 20B Saturated Paste

SAR	0.532	0.0100	SAR	1	B4A0604	01/06/2024	01/08/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.324	0.00500	mmhos/cm	1	B4A0608	01/06/2024	01/08/2024
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Table 915 metals by EPA 6020B

Arsenic	2.68	0.0842	mg/kg	10	B4A0437	01/05/2024	01/08/2024
Barium	123	8.42	"	"	"	"	"
Cadmium	0.195	0.0842	"	"	"	"	"
Copper	ND	8.42	"	"	"	"	"

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-01@3'

1/3/2024 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y401078-06 (Soil)

Table 915 metals by EPA 6020B

Lead	6.24	0.842	mg/kg	10	B4A0437	01/05/2024	01/08/2024
Nickel	7.88	0.842	"	"	"	"	"
Selenium	ND	0.0842	"	"	"	"	"
Silver	ND	0.0842	"	"	"	"	"
Zinc	28.4	8.42	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L727059	01/03/2024	01/11/2024
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Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4A0430 - EPA 5030 (soil)										
Blank (B4A0430-BLK1)					Prepared: 01/04/2024 Analyzed: 01/05/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	106		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	98.0		70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	88.6		70-130			

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4A0430 - EPA 5030 (soil)										
LCS (B4A0430-BS1)					Prepared: 01/04/2024 Analyzed: 01/05/2024					
1,2,4-Trimethylbenzene	0.0961	0.00200	mg/kg	0.100		96.1	70-130			
1,3,5-Trimethylbenzene	0.0964	0.00200	"	0.100		96.4	70-130			
Benzene	0.0978	0.00200	"	0.100		97.8	70-130			
Ethylbenzene	0.0979	0.00200	"	0.100		97.9	70-130			
Naphthalene	0.0885	0.00380	"	0.100		88.5	70-130			
Toluene	0.103	0.00200	"	0.100		103	70-130			
o-Xylene	0.0920	0.00200	"	0.100		92.0	70-130			
m,p-Xylene	0.193	0.00400	"	0.200		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.8	70-130			

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4A0430 - EPA 5030 (soil)										
Matrix Spike (B4A0430-MS1)		Source: Y401053-01			Prepared: 01/04/2024 Analyzed: 01/05/2024					
1,2,4-Trimethylbenzene	0.0852	0.00200	mg/kg	0.100	ND	85.2	70-130			
1,3,5-Trimethylbenzene	0.0852	0.00200	"	0.100	ND	85.2	70-130			
Benzene	0.0926	0.00200	"	0.100	ND	92.6	70-130			
Ethylbenzene	0.0854	0.00200	"	0.100	ND	85.4	70-130			
Naphthalene	0.0928	0.00380	"	0.100	ND	92.8	70-130			
Toluene	0.0937	0.00200	"	0.100	ND	93.7	70-130			
o-Xylene	0.0839	0.00200	"	0.100	ND	83.9	70-130			
m,p-Xylene	0.172	0.00400	"	0.200	ND	85.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		88.5	70-130			

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4A0430 - EPA 5030 (soil)										
Matrix Spike Dup (B4A0430-MSD1)			Source: Y401053-01		Prepared: 01/04/2024 Analyzed: 01/05/2024					
1,2,4-Trimethylbenzene	0.0881	0.00200	mg/kg	0.100	ND	88.1	70-130	3.42	20	
1,3,5-Trimethylbenzene	0.0861	0.00200	"	0.100	ND	86.1	70-130	1.10	20	
Benzene	0.0947	0.00200	"	0.100	ND	94.7	70-130	2.28	20	
Ethylbenzene	0.0860	0.00200	"	0.100	ND	86.0	70-130	0.770	20	
Naphthalene	0.0969	0.00380	"	0.100	ND	96.9	70-130	4.32	20	
Toluene	0.0956	0.00200	"	0.100	ND	95.6	70-130	2.09	20	
o-Xylene	0.0851	0.00200	"	0.100	ND	85.1	70-130	1.37	20	
m,p-Xylene	0.173	0.00400	"	0.200	ND	86.5	70-130	0.708	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		86.9	70-130			

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4A0517 - EPA 3550B										
Blank (B4A0517-BLK1)					Prepared: 01/05/2024 Analyzed: 01/08/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		87.6	50-150			

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A0517 - EPA 3550B

LCS (B4A0517-BS1)

Prepared: 01/05/2024 Analyzed: 01/08/2024

Diesel (C10-C28)	858	50.0	mg/kg	1000		85.8	70-130			
Residual Range Organics (C28-C40)	1000	200	"	1000		100	70-130			
Surrogate: o-Terphenyl	55		"	49.8		111	50-150			

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A0517 - EPA 3550B

Matrix Spike (B4A0517-MS1)		Source: Y401074-01			Prepared: 01/05/2024 Analyzed: 01/08/2024					
Diesel (C10-C28)	865	50.0	mg/kg	1000	ND	86.5	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4A0517 - EPA 3550B										
Matrix Spike Dup (B4A0517-MSD1)		Source: Y401074-01			Prepared: 01/05/2024 Analyzed: 01/08/2024					
Diesel (C10-C28)	859	50.0	mg/kg	1000	ND	85.9	70-130	0.724	35	
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130	1.04	35	
Surrogate: o-Terphenyl	43		"	49.8		86.1	50-150			

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A0437 - EPA 3050B

Blank (B4A0437-BLK1)

Prepared: 01/05/2024 Analyzed: 01/08/2024

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

LCS (B4A0437-BS1)

Prepared: 01/05/2024 Analyzed: 01/08/2024

Arsenic	5.15	0.0100	mg/kg	5.00	103	80-120
Barium	501	1.00	"	500	100	80-120
Cadmium	5.10	0.0100	"	5.00	102	80-120
Copper	51.2	1.00	"	50.0	102	80-120
Lead	4.98	0.100	"	5.00	99.5	80-120
Nickel	5.46	0.100	"	5.00	109	80-120
Selenium	4.72	0.0100	"	5.00	94.3	80-120
Silver	5.20	0.0100	"	5.00	104	80-120
Zinc	51.4	1.00	"	50.0	103	80-120

Matrix Spike (B4A0437-MS1)

Source: Y401068-12

Prepared: 01/05/2024 Analyzed: 01/08/2024

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A0437 - EPA 3050B

Matrix Spike (B4A0437-MS1)		Source: Y401068-12			Prepared: 01/05/2024 Analyzed: 01/08/2024					
Arsenic	7.68	0.0858	mg/kg	4.29	3.13	106	75-125			QM-07
Barium	693	8.58	"	429	136	130	75-125			
Cadmium	4.45	0.0858	"	4.29	0.150	100	75-125			
Copper	45.6	8.58	"	42.9	7.64	88.6	75-125			
Lead	10.8	0.858	"	4.29	6.76	93.4	75-125			
Nickel	12.2	0.858	"	4.29	8.37	89.3	75-125			
Selenium	4.58	0.0858	"	4.29	0.0832	105	75-125			
Silver	4.34	0.0858	"	4.29	0.0182	101	75-125			
Zinc	74.1	8.58	"	42.9	34.0	93.6	75-125			
Matrix Spike Dup (B4A0437-MSD1)		Source: Y401068-12			Prepared: 01/05/2024 Analyzed: 01/08/2024					
Arsenic	8.57	0.0950	mg/kg	4.75	3.13	114	75-125	10.9	20	
Barium	637	9.50	"	475	136	105	75-125	8.45	20	
Cadmium	5.20	0.0950	"	4.75	0.150	106	75-125	15.6	20	
Copper	54.3	9.50	"	47.5	7.64	98.3	75-125	17.4	20	
Lead	12.1	0.950	"	4.75	6.76	112	75-125	11.5	20	
Nickel	13.8	0.950	"	4.75	8.37	115	75-125	12.4	20	
Selenium	4.82	0.0950	"	4.75	0.0832	99.6	75-125	5.05	20	
Silver	5.22	0.0950	"	4.75	0.0182	109	75-125	18.4	20	
Zinc	87.0	9.50	"	47.5	34.0	112	75-125	16.0	20	

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A0506 - EPA 3580

Blank (B4A0506-BLK1)

Prepared: 01/05/2024 Analyzed: 01/05/2024

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		97.5	60-130			
Surrogate: Anthracene-d10	190		"	200		97.4	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

LCS (B4A0506-BS1)

Prepared: 01/05/2024 Analyzed: 01/05/2024

1-Methylnaphthalene	0.202	0.002	mg/kg	0.200		101	70-130			
2-Methylnaphthalene	0.197	0.002	"	0.200		98.5	70-130			
Acenaphthene	0.182	0.020	"	0.200		91.0	70-130			
Anthracene	0.172	0.020	"	0.200		86.0	70-130			

Origins Laboratory, Inc.



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

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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A0506 - EPA 3580

LCS (B4A0506-BS1)

Prepared: 01/05/2024 Analyzed: 01/05/2024

Benzo (a) anthracene	0.194	0.005	mg/kg	0.200		97.0	70-130
Benzo (a) pyrene	0.231	0.020	"	0.200		116	70-130
Benzo (b) fluoranthene	0.201	0.020	"	0.200		101	70-130
Benzo (g,h,i) perylene	0.212	0.020	"	0.200		106	70-130
Benzo (k) fluoranthene	0.176	0.020	"	0.200		88.1	70-130
Chrysene	0.189	0.020	"	0.200		94.6	70-130
Dibenz (a,h) anthracene	0.203	0.020	"	0.200		101	70-130
Fluoranthene	0.184	0.020	"	0.200		91.8	70-130
Fluorene	0.182	0.020	"	0.200		90.8	70-130
Indeno (1,2,3-cd) pyrene	0.182	0.020	"	0.200		91.1	70-130
Naphthalene	0.196	0.002	"	0.200		97.8	70-130
Phenanthrene	0.184	0.020	"	0.200		92.2	70-130
Pyrene	0.193	0.020	"	0.200		96.6	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		97.5	60-130
Surrogate: Anthracene-d10	200		"	200		99.1	60-130
Surrogate: Pyrene-d10	200		"	200		99.2	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130

Matrix Spike (B4A0506-MS1)

Source: Y401051-01

Prepared: 01/05/2024 Analyzed: 01/05/2024

1-Methylnaphthalene	0.208	0.002	mg/kg	0.200	0.0006	104	70-130
2-Methylnaphthalene	0.206	0.002	"	0.200	0.001	103	70-130
Acenaphthene	0.188	0.020	"	0.200	ND	93.8	70-130
Anthracene	0.179	0.020	"	0.200	ND	89.6	70-130
Benzo (a) anthracene	0.199	0.005	"	0.200	0.001	98.8	70-130
Benzo (a) pyrene	0.234	0.020	"	0.200	ND	117	70-130
Benzo (b) fluoranthene	0.214	0.020	"	0.200	0.002	106	70-130
Benzo (g,h,i) perylene	0.214	0.020	"	0.200	ND	107	70-130

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A0506 - EPA 3580

Matrix Spike (B4A0506-MS1)		Source: Y401051-01			Prepared: 01/05/2024 Analyzed: 01/05/2024					
Benzo (k) fluoranthene	0.188	0.020	mg/kg	0.200	ND	94.0	70-130			
Chrysene	0.196	0.020	"	0.200	0.0009	97.7	70-130			
Dibenz (a,h) anthracene	0.196	0.020	"	0.200	ND	98.2	70-130			
Fluoranthene	0.190	0.020	"	0.200	0.0007	94.8	70-130			
Fluorene	0.188	0.020	"	0.200	ND	93.9	70-130			
Indeno (1,2,3-cd) pyrene	0.191	0.020	"	0.200	0.002	94.6	70-130			
Naphthalene	0.201	0.002	"	0.200	ND	101	70-130			
Phenanthrene	0.190	0.020	"	0.200	ND	95.0	70-130			
Pyrene	0.198	0.020	"	0.200	ND	99.1	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.1	60-130			
Surrogate: Anthracene-d10	200		"	200		99.0	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

Matrix Spike Dup (B4A0506-MSD1)		Source: Y401051-01			Prepared: 01/05/2024 Analyzed: 01/05/2024					
1-Methylnaphthalene	0.214	0.002	mg/kg	0.200	0.0006	107	70-130	2.65	20	
2-Methylnaphthalene	0.211	0.002	"	0.200	0.001	105	70-130	2.10	20	
Acenaphthene	0.193	0.020	"	0.200	ND	96.6	70-130	2.92	20	
Anthracene	0.184	0.020	"	0.200	ND	91.8	70-130	2.40	20	
Benzo (a) anthracene	0.206	0.005	"	0.200	0.001	103	70-130	3.72	20	
Benzo (a) pyrene	0.222	0.020	"	0.200	ND	111	70-130	5.16	20	
Benzo (b) fluoranthene	0.209	0.020	"	0.200	0.002	103	70-130	2.36	20	
Benzo (g,h,i) perylene	0.217	0.020	"	0.200	ND	108	70-130	1.23	20	
Benzo (k) fluoranthene	0.209	0.020	"	0.200	ND	105	70-130	10.7	20	
Chrysene	0.201	0.020	"	0.200	0.0009	100	70-130	2.35	20	
Dibenz (a,h) anthracene	0.219	0.020	"	0.200	ND	109	70-130	10.9	20	
Fluoranthene	0.193	0.020	"	0.200	0.0007	96.2	70-130	1.39	20	

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A0506 - EPA 3580

Matrix Spike Dup (B4A0506-MSD1)		Source: Y401051-01			Prepared: 01/05/2024 Analyzed: 01/05/2024					
Fluorene	0.190	0.020	mg/kg	0.200	ND	94.8	70-130	1.01	20	
Indeno (1,2,3-cd) pyrene	0.188	0.020	"	0.200	0.002	93.0	70-130	1.72	20	
Naphthalene	0.207	0.002	"	0.200	ND	104	70-130	2.94	20	
Phenanthrene	0.199	0.020	"	0.200	ND	99.7	70-130	4.85	20	
Pyrene	0.203	0.020	"	0.200	ND	102	70-130	2.53	20	
Surrogate: Fluorene-d10	190		ug/kg	200		97.3	60-130			
Surrogate: Anthracene-d10	200		"	200		98.6	60-130			
Surrogate: Pyrene-d10	200		"	200		99.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Classical Chemistry Parameters - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4A0508 - DTPA Sorbitol Preparation										
Blank (B4A0508-BLK1)					Prepared: 01/05/2024 Analyzed: 01/08/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4A0508-DUP1)					Source: Y401072-01 Prepared: 01/05/2024 Analyzed: 01/08/2024					
Boron	0.537	0.0995	mg/L		0.615			13.5	50	
Batch B4A0604 - Saturated Paste Metals										
Blank (B4A0604-BLK1)					Prepared: 01/06/2024 Analyzed: 01/08/2024					
Calcium PPM	ND	1.00	mg/L							
SAR	ND	0.0100	SAR							
Magnesium PPM	ND	1.00	mg/L							
Sodium PPM	ND	1.00	"							
Duplicate (B4A0604-DUP1)					Source: Y401078-01 Prepared: 01/06/2024 Analyzed: 01/08/2024					
Calcium PPM	26.6	10.0	mg/L		25.7			3.25	50	
SAR	ND	0.0100	SAR		1.04				200	
Magnesium PPM	6.35	10.0	mg/L		6.05			4.84	50	
Sodium PPM	23.2	10.0	"		22.6			2.75	50	

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4A0608 - Saturated Paste pH/EC										
Blank (B4A0608-BLK1)					Prepared: 01/06/2024 Analyzed: 01/08/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4A0608-DUP1)					Source: Y401078-01 Prepared: 01/06/2024 Analyzed: 01/08/2024					
pH	8.16		pH Units		8.49			3.96	25	
Specific Conductance (EC)	0.305	0.00500	mmhos/cm		0.273			11.0	25	

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 L727059 -										
DUP (L 92154-DUP)	Source: 92154				Prepared: Analyzed: 01/11/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
MS (L 92154-MS)	Source: 92154				Prepared: Analyzed: 01/11/2024					
Chromium, Hexavalent	28.3	2.5	mg/Kg	39.6	<1.22	71	75-125			*
LCS (LCS)					Prepared: Analyzed: 01/11/2024					
Chromium, Hexavalent	6.15	0.5	mg/Kg	8		77	75-125			
LRB (LRB)					Prepared: Analyzed: 01/11/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 L727055 -										
DUP (L 92068-DUP)		Source: 92068			Prepared: Analyzed: 01/11/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
MS (L 92068-MS)		Source: 92068			Prepared: Analyzed: 01/11/2024					
Chromium, Hexavalent	35.5	2.5	mg/Kg	39.5	<1.22	90	75-125			
LCS (LCS)					Prepared: Analyzed: 01/11/2024					
Chromium, Hexavalent	6.24	0.5	mg/Kg	8		78	75-125			
LRB (LRB)					Prepared: Analyzed: 01/11/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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

Andrew Newberry
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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

Origins Laboratory, Inc.



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

Jordan A. Bynon, Project Manager



August 22, 2024

Eagle Environmental Consulting, LLC

Grace Congdon

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Wells Ranch
#AA35-62-1AHNC**

Project Number - [none]

Attached are your analytical results for Noble - Wells Ranch #AA35-62-1AHNC received by Origins Laboratory, Inc. August 06, 2024. This project is associated with Origins project number Y408168-01.

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

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

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

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

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

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



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01@7.5-10'	Y408168-01	Soil	August 6, 2024 10:49	08/06/2024 17:46
SB-01@15-17.5'	Y408168-02	Soil	August 6, 2024 11:05	08/06/2024 17:46
SB-02@7.5-10'	Y408168-03	Soil	August 6, 2024 12:33	08/06/2024 17:46
SB-02@10-12.5'	Y408168-04	Soil	August 6, 2024 12:40	08/06/2024 17:46
SB-03@7.5-10'	Y408168-05	Soil	August 6, 2024 12:12	08/06/2024 17:46
SB-03@10-12.5'	Y408168-06	Soil	August 6, 2024 12:19	08/06/2024 17:46
SB-04@7.5-10'	Y408168-07	Soil	August 6, 2024 11:40	08/06/2024 17:46
SB-04@10-12.5'	Y408168-08	Soil	August 6, 2024 11:44	08/06/2024 17:46
SB-05@7.5-10'	Y408168-09	Soil	August 6, 2024 11:59	08/06/2024 17:46
SB-05@10-12.5'	Y408168-10	Soil	August 6, 2024 12:00	08/06/2024 17:46

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Temp Received -

Received On Ice? ☒ Yes ☐ No

For Lab Sample Receiving Only:

☒ Standard

Requisitioned By:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	8/17/14	1746	<i>[Signature]</i>	8/16/14	1740
Requisitioned By:	Date:	Time:	Received By:	Date:	Time:

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis					Comments
1	58-01e 7.5-10'	8/16/14	1049	3	5	WUP	X	X	X	X	X	
2	58-01e 15-17.5'		1105									
3	58-02e 7.5-10'		1133									
4	58-02e 10-12.5'		1240									
5	58-03e 7.5-10'		1212									
6	58-03e 10-12.5'		1241									
7	58-04e 7.5-10'		1140									
8	58-04e 10-12.5'		1144									
9	58-05e 7.5-10'		1159									
10	58-05e 10-12.5'		1200									

UNIFORM WORK ORDER # 4408163

Client: Eagle Environmental Consulting

Address: 8000 W 44th Ave

Telephone Number: 303-433-1322

Email Address: grace@eagle-env.com

Project Manager: Grace Congdon

Project Name: Wells Ranch #AA35-62-1AHNC

Project Number: 4408163

Collected By: RS

Invoice/Billing Info: Noble - Bill to Dan

Key: W=Water
GW=Groundwater
SW=Surface Water
WW=Waste Water
L=Liquid

S=Soil | SC=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

Origins Laboratory, Inc.

[Signature]

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: 4409468

Client: Eagle

Client Project ID: Wells Ranch

Checklist Completed by: JH/AD

Shipped Via: TND

Date/time completed: 8/7/12

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

Airbill #: N/A

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

Water

Other:

Cooler Number/Temperature: 112 °C / °C / °C (Describe)

Thermometer ID: 7005

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"/>	<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"/>	<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"/>	<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) JH

8/8/12
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-01@7.5-10'
8/6/2024 10:49:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 80.7 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 108 % 70-130 " " "
Surrogate: Toluene-d8 100 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 110 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	5.86	0.263	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	380	9.06	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-01@15-17.5'
8/6/2024 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

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

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 107 % 70-130 " " "
Surrogate: Toluene-d8 100 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 109 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	2.01	0.269	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	59.2	9.28	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-02@7.5-10'
8/6/2024 12:33:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 82.2 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 107 % 70-130 " " "
Surrogate: Toluene-d8 101 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 111 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	4.99	0.286	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	57.7	9.85	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-02@10-12.5'
8/6/2024 12:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 82.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
Surrogate: Toluene-d8 102 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 110 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	3.09	0.279	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	50.2	9.64	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-03@7.5-10'
8/6/2024 12:12:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 81.2 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
Surrogate: Toluene-d8 103 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 107 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	2.92	0.277	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	24.6	9.54	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-03@10-12.5'
8/6/2024 12:19:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408168-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 84.0 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 107 % 70-130 " " "
Surrogate: Toluene-d8 99.9 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 113 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	3.62	0.259	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024
Barium	20.3	8.93	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-04@7.5-10'
8/6/2024 11:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-07 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 84.3 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 110 % 70-130 " " "
Surrogate: Toluene-d8 101 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 107 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	3.11	0.277	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024
Barium	48.9	9.54	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-04@10-12.5'
8/6/2024 11:44:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408168-08 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 83.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 108 % 70-130 " " "
Surrogate: Toluene-d8 100 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 111 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	3.06	0.279	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024
Barium	57.9	9.63	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-05@7.5-10'
8/6/2024 11:59:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-09 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 83.7 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
Surrogate: Toluene-d8 101 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 109 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	2.09	0.253	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024
Barium	44.1	8.72	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-05@10-12.5'
8/6/2024 12:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408168-10 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 98.3 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " "
Surrogate: Toluene-d8 99.3 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 113 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	2.81	0.251	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024
Barium	56.5	8.65	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0739 - EPA 5030 (soil)										
Blank (B4H0739-BLK1)					Prepared: 08/07/2024 Analyzed: 08/08/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		114	70-130			

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0739 - EPA 5030 (soil)										
LCS (B4H0739-BS1)					Prepared: 08/07/2024 Analyzed: 08/08/2024					
1,2,4-Trimethylbenzene	0.0927	0.00200	mg/kg	0.100		92.7	70-130			
1,3,5-Trimethylbenzene	0.0898	0.00200	"	0.100		89.8	70-130			
Benzene	0.0875	0.00200	"	0.100		87.5	70-130			
Ethylbenzene	0.0980	0.00200	"	0.100		98.0	70-130			
Naphthalene	0.0949	0.00380	"	0.100		94.9	70-130			
Toluene	0.0899	0.00200	"	0.100		89.9	70-130			
o-Xylene	0.0955	0.00200	"	0.100		95.5	70-130			
m,p-Xylene	0.194	0.00400	"	0.200		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0739 - EPA 5030 (soil)										
Matrix Spike (B4H0739-MS1)		Source: Y408159-01			Prepared: 08/07/2024 Analyzed: 08/08/2024					
1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100	0.00230	99.6	70-130			
1,3,5-Trimethylbenzene	0.0990	0.00200	"	0.100	0.00108	98.0	70-130			
Benzene	0.0961	0.00200	"	0.100	ND	96.1	70-130			
Ethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130			
Naphthalene	0.0984	0.00380	"	0.100	0.00180	96.6	70-130			
Toluene	0.0978	0.00200	"	0.100	ND	97.8	70-130			
o-Xylene	0.108	0.00200	"	0.100	ND	108	70-130			
m,p-Xylene	0.218	0.00400	"	0.200	ND	109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		108	70-130			

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0739 - EPA 5030 (soil)										
Matrix Spike Dup (B4H0739-MSD1)	Source: Y408159-01				Prepared: 08/07/2024 Analyzed: 08/08/2024					
1,2,4-Trimethylbenzene	0.0892	0.00200	mg/kg	0.100	0.00230	86.9	70-130	13.2	20	
1,3,5-Trimethylbenzene	0.0861	0.00200	"	0.100	0.00108	85.0	70-130	14.0	20	
Benzene	0.0872	0.00200	"	0.100	ND	87.2	70-130	9.72	20	
Ethylbenzene	0.0960	0.00200	"	0.100	ND	96.0	70-130	13.2	20	
Naphthalene	0.0927	0.00380	"	0.100	0.00180	90.9	70-130	5.99	20	
Toluene	0.0872	0.00200	"	0.100	ND	87.2	70-130	11.5	20	
o-Xylene	0.0948	0.00200	"	0.100	ND	94.8	70-130	12.6	20	
m,p-Xylene	0.191	0.00400	"	0.200	ND	95.6	70-130	13.2	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		108	70-130			

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0901 - EPA 3550B										
Blank (B4H0901-BLK1)					Prepared: 08/09/2024 Analyzed: 08/13/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		84.4	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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4H0901 - EPA 3550B

LCS (B4H0901-BS1)

Prepared: 08/09/2024 Analyzed: 08/13/2024

Diesel (C10-C28)	1010	50.0	mg/kg	1000		101	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	59		"	49.8		119	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.

Jordan A. Bynon, Project Manager

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4H0901 - EPA 3550B

Matrix Spike (B4H0901-MS1)		Source: Y408168-01			Prepared: 08/09/2024 Analyzed: 08/13/2024					
Diesel (C10-C28)	942	50.0	mg/kg	1000	ND	94.2	70-130			
Residual Range Organics (C28-C40)	977	200	"	1000	ND	97.7	70-130			
Surrogate: o-Terphenyl	49		"	49.8		99.3	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.

Jordan A. Bynon, Project Manager

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4H0901 - EPA 3550B

Matrix Spike Dup (B4H0901-MSD1)		Source: Y408168-01			Prepared: 08/09/2024 Analyzed: 08/13/2024					
Diesel (C10-C28)	953	50.0	mg/kg	1000	ND	95.3	70-130	1.16	35	
Residual Range Organics (C28-C40)	973	200	"	1000	ND	97.3	70-130	0.389	35	
Surrogate: o-Terphenyl	48		"	49.8		96.8	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.

Jordan A. Bynon, Project Manager

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4H0729 - EPA 3050B

Blank (B4H0729-BLK1)

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	ND	0.290	mg/kg
Barium	ND	10.0	"

LCS (B4H0729-BS1)

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	4.89	0.290	mg/kg	5.00	97.8	80-120
Barium	517	10.0	"	500	103	80-120

Matrix Spike (B4H0729-MS1)

Source: Y408168-01

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	11.1	0.272	mg/kg	4.70	5.86	112	75-125			
Barium	632	9.39	"	470	380	53.7	75-125			QM-07

Matrix Spike Dup (B4H0729-MSD1)

Source: Y408168-01

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	13.5	0.272	mg/kg	4.69	5.86	163	75-125	19.3	20	QM-07
Barium	603	9.39	"	469	380	47.6	75-125	4.73	20	QM-07

Batch B4H0734 - EPA 3050B

Blank (B4H0734-BLK1)

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	ND	0.290	mg/kg
Barium	ND	10.0	"

LCS (B4H0734-BS1)

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	4.84	0.290	mg/kg	5.00	96.8	80-120
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Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4H0734 - EPA 3050B										
LCS (B4H0734-BS1)					Prepared: 08/07/2024 Analyzed: 08/09/2024					
Barium	523	10.0	mg/kg	500		105	80-120			
Matrix Spike (B4H0734-MS1)		Source: Y408168-06			Prepared: 08/07/2024 Analyzed: 08/09/2024					
Arsenic	8.18	0.279	mg/kg	4.81	3.62	95.0	75-125			
Barium	530	9.61	"	481	20.3	106	75-125			
Matrix Spike Dup (B4H0734-MSD1)		Source: Y408168-06			Prepared: 08/07/2024 Analyzed: 08/09/2024					
Arsenic	7.65	0.250	mg/kg	4.31	3.62	93.4	75-125	6.79	20	
Barium	467	8.62	"	431	20.3	104	75-125	12.6	20	

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

Jordan A. Bynon, Project Manager



August 22, 2024

Eagle Environmental Consulting, LLC

Grace Congdon

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Wells Ranch
#AA35-62-1AHNC**

Project Number - [none]

Attached are your analytical results for Noble - Wells Ranch #AA35-62-1AHNC received by Origins Laboratory, Inc. August 06, 2024. This project is associated with Origins project number Y408169-01.

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

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

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

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

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

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



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-02@7.5-10'	Y408169-01	Soil	August 6, 2024 13:10	08/06/2024 17:46
Background-02@10-12.5'	Y408169-02	Soil	August 6, 2024 13:15	08/06/2024 17:46
Background-02@15-17.5'	Y408169-03	Soil	August 6, 2024 13:25	08/06/2024 17:46
Background-03@7.5-10'	Y408169-04	Soil	August 6, 2024 13:35	08/06/2024 17:46
Background-03@10-12.5'	Y408169-05	Soil	August 6, 2024 13:40	08/06/2024 17:46
Background-03@15-17.5'	Y408169-06	Soil	August 6, 2024 13:50	08/06/2024 17:46
Background-04@7.5-10'	Y408169-07	Soil	August 6, 2024 14:05	08/06/2024 17:46
Background-04@10-12.5'	Y408169-08	Soil	August 6, 2024 14:10	08/06/2024 17:46
Background-04@15-17.5'	Y408169-09	Soil	August 6, 2024 14:20	08/06/2024 17:46
Background-05@7.5-10'	Y408169-10	Soil	August 6, 2024 14:30	08/06/2024 17:46
Background-05@10-12.5'	Y408169-11	Soil	August 6, 2024 14:35	08/06/2024 17:46
Background-05@15-17.5'	Y408169-12	Soil	August 6, 2024 14:45	08/06/2024 17:46
Background-06@7.5-10'	Y408169-13	Soil	August 6, 2024 15:15	08/06/2024 17:46
Background-06@10-12.5'	Y408169-14	Soil	August 6, 2024 15:20	08/06/2024 17:46

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-06@15-17.5'	Y408169-15	Soil	August 6, 2024 15:30	08/06/2024 17:46

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Temp Received - 1.8

Received On Ice? ☒ Yes ☐ No

For Lab Sample Receiving Only:

Requisitioned By:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	8/6/24	1746	<i>[Signature]</i>	7/10/24	1740
Requisitioned By:	Date:	Time:	Received By:	Date:	Time:

☒ Standard

☐ 48 Hr ☐ 72 Hr

Turnaround Time
☐ SAME DAY ☐ 24 Hr

#	Sample ID	Date	Time	# of Containers	Matrix	Preservative	Analysis				Comments
1	Beuqenat-02E-15-10	8/6/24	1310	2	5	UMP	X	X			
2	Beuqenat-02E-10-12.5		1315								
3	Beuqenat-02E-15-11.5		1325								
4	Beuqenat-02E-15-10		1335								
5	Beuqenat-02E-15-10		1340								
6	Beuqenat-02E-15-11.5		1350								
7	Beuqenat-02E-15-10		1405								
8	Beuqenat-02E-10-12.5		1410								
9	Beuqenat-02E-15-11.5		1420								
10	Beuqenat-02E-15-10		1430								

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UMP=Impres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

Client:	Eagle Environmental Consulting	Project Manager:	Grace Congdon
Address:	8000 W 44th Ave	Project Name:	Wells Ranch # AA35-62-1AHNC
Telephone Number:	303-433-0479	Collected By:	RS
Email Address:	grace@eagle-env.com	Invoice/Billing Info:	None - Bill to Dan
		Waste Water	Waste Water
		Waste Water	Waste Water

ORIGINS WORK ORDER # 4408169

Page 1 of 1

Origins Laboratory, Inc.

[Signature]

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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

ORIGINS

LABORATORY INC

ORIGINS WORK ORDER #

Page 6 of 6

Client: Eagle Environmental Consulting

Project Manager: Grace Congdon

Key:

Address: 8000 W 44th Ave

Project Name: Wells Ranch #AA35-62-1AHNC

W=Water

Telephone Number: 303-433-0479

Project Number: 15

GW=Groundwater

Email Address: grace@eagle-env.com

Collected By: RS

SW=Surface Water

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

Invoice/Billing Info: Noble - Bill to Don

L=Liquid

#	Sample ID	Date	Time	# of Containers	Matrix	Preservative	Analysis										Comments
							1	2	3	4	5	6	7	8	9	10	
1	Background SOE D-125	8/6/24	1435	2	S	UNP	K	K									
2	Background SOE D-125		1445														
3	Background SOE D-125		1515														
4	Background SOE D-125		1520														
5	Background SOE D-125		1530														
6																	
7																	
8																	
9																	
10																	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	8/6/24	1746	<i>[Signature]</i>	8/6/24	1746
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

For Lab Sample Receiving Only:

1725 Elk Place Denver, Co. 80221 | # 303.433.1322 | originslab.com

Temp Received: 18

Received On Ice?

☒ Yes ☐ No

☒ Standard

Turnaround Time
☐ SAME DAY ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr

Origins Laboratory, Inc.

[Signature]

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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: 1403169

Client: Eagle

Client Project ID: Wells Ranch

Checklist Completed by: JM/EA

Shipped Via: tw

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

Date/time completed: 8/17/12

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 1.8 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: 7005

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

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

Reviewed by (Project Manager) AS

8/18/12
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-02@7.5-10'

8/6/2024 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408169-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	10.8	0.242	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	64.6	8.35	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-02@10-12.5'

8/6/2024 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408169-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	13.9	0.272	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	79.2	9.38	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-02@15-17.5'

8/6/2024 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408169-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.21	0.284	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	111	9.79	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-03@7.5-10'

8/6/2024 1:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408169-04 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.62	0.246	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	54.9	8.47	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-03@10-12.5'

8/6/2024 1:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408169-05 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.09	0.260	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	43.4	8.95	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-03@15-17.5'

8/6/2024 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408169-06 (Soil)

Table 915 metals by EPA 6020B

Arsenic	7.38	0.252	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	47.3	8.69	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-04@7.5-10'

8/6/2024 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408169-07 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.92	0.277	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	63.5	9.57	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-04@10-12.5'

8/6/2024 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408169-08 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.06	0.261	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	24.6	8.99	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-04@15-17.5'

8/6/2024 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408169-09 (Soil)

Table 915 metals by EPA 6020B

Arsenic	18.8	0.266	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	35.2	9.16	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-05@7.5-10'

8/6/2024 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408169-10 (Soil)

Table 915 metals by EPA 6020B

Arsenic	6.15	0.256	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	48.6	8.83	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-05@10-12.5'

8/6/2024 2:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408169-11 (Soil)

Table 915 metals by EPA 6020B

Arsenic	11.5	0.280	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	826	9.67	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-05@15-17.5'

8/6/2024 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408169-12 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.54	0.255	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	70.7	8.78	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-06@7.5-10'

8/6/2024 3:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408169-13 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.72	0.259	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	51.5	8.92	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-06@10-12.5'

8/6/2024 3:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408169-14 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.14	0.248	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	30.4	8.56	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

Background-06@15-17.5'

8/6/2024 3:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408169-15 (Soil)

Table 915 metals by EPA 6020B

Arsenic	18.5	0.261	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024
Barium	31.9	8.99	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4H0729 - EPA 3050B										
Blank (B4H0729-BLK1)					Prepared: 08/07/2024 Analyzed: 08/09/2024					
Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
LCS (B4H0729-BS1)					Prepared: 08/07/2024 Analyzed: 08/09/2024					
Arsenic	4.89	0.290	mg/kg	5.00		97.8	80-120			
Barium	517	10.0	"	500		103	80-120			
Matrix Spike (B4H0729-MS1)					Source: Y408168-01		Prepared: 08/07/2024 Analyzed: 08/09/2024			
Arsenic	11.1	0.272	mg/kg	4.70	5.86	112	75-125			
Barium	632	9.39	"	470	380	53.7	75-125			QM-07
Matrix Spike Dup (B4H0729-MSD1)					Source: Y408168-01		Prepared: 08/07/2024 Analyzed: 08/09/2024			
Arsenic	13.5	0.272	mg/kg	4.69	5.86	163	75-125	19.3	20	QM-07
Barium	603	9.39	"	469	380	47.6	75-125	4.73	20	QM-07

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Grace Congdon

Project Number: [none]

Project: Noble - Wells Ranch #AA35-62-1AHNC

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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