



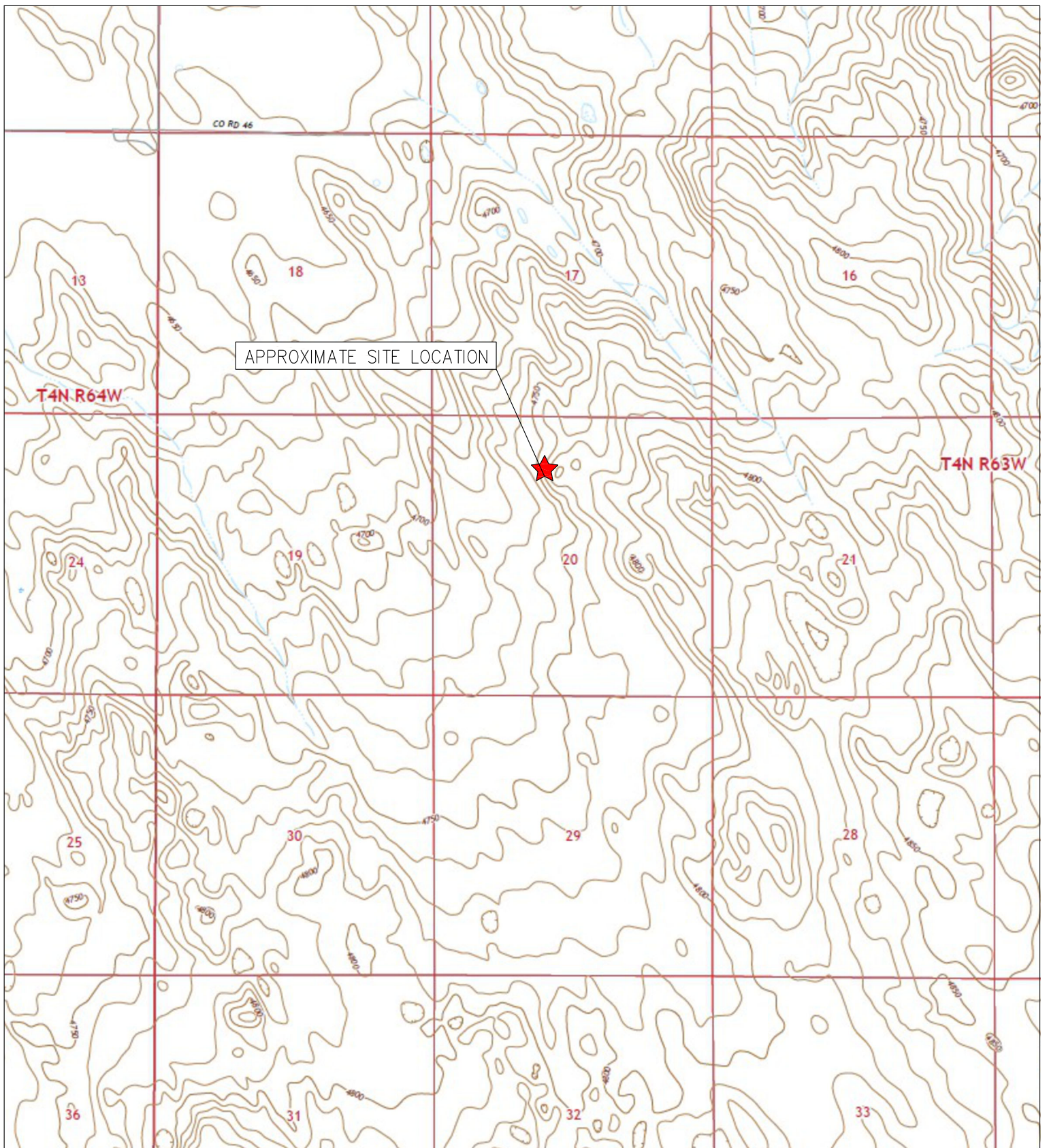
FIGURES

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



TOPOGRAPHIC SITE LOCATION MAP
 GUTTERSEN STATE CC #20-03
 HISTORICAL RELEASE
 40.302470 / -104.463460
 NE¼ NW¼ SEC.20 T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-22280
 REMEDIATION # 27303



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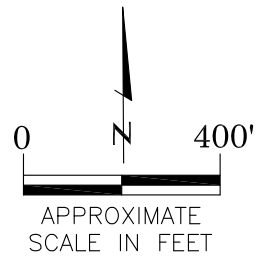
8000 W 44th Ave, Wheat Ridge, CO 80033
 Ph: 303-433-0479 • F: 303-325-5449





LEGEND

- FORMER GUTTERSEN STATE CC #20-03 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION (REMOVED)



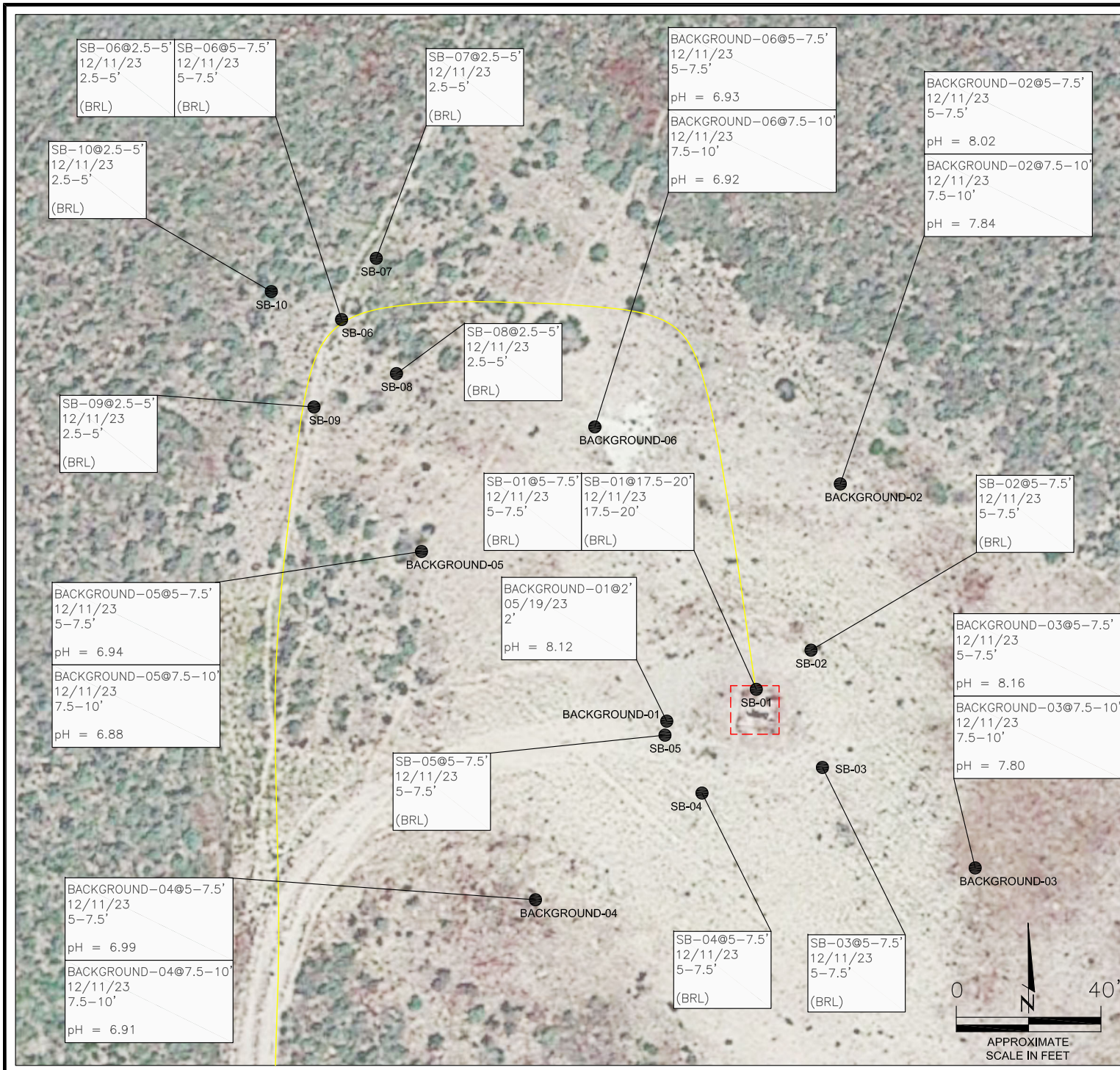
AERIAL SITE LOCATION MAP
 GUTTERSEN STATE CC #20-03
 HISTORICAL RELEASE
 40.302470 / -104.463460
 NE¼ NW¼ SEC.20 T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-22280
 REMEDIATION # 27303

FIGURE NO.
2

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LEGEND

- - - WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- 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)
pH	= pH (pH UNITS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)	(mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

(BRL) = ALL VALUES BELOW REGULATORY LIMITS

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

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

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

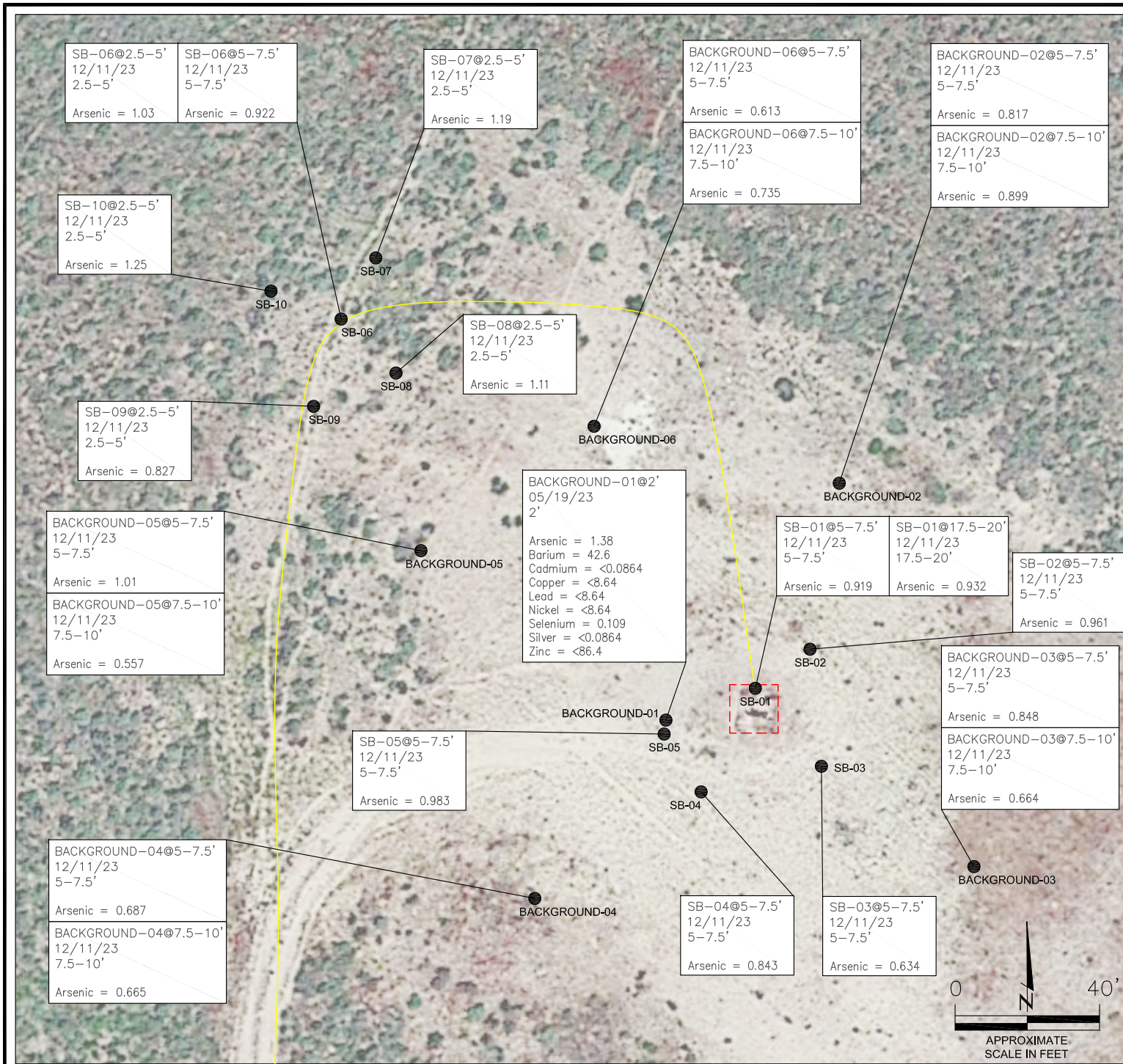
SOIL BORING ANALYTICAL MAP
 GUTTERSEN STATE CC #20-03
 HISTORICAL RELEASE
 40.302470 / -104.463460
 NE¼ NW¼ SEC.20 T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-22280
 REMEDIATION # 27303

FIGURE NO.
3

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LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

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

CONSTITUENTS OF CONCERN, ONLY, ANALYZED AND DISPLAYED.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

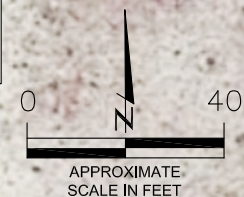
SOIL BORING METALS IN SOIL MAP
 GUTTERSEN STATE CC #20-03
 HISTORICAL RELEASE
 40.302470 / -104.463460
 NE¼ NW¼ SEC.20 T4N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-22280
 REMEDIATION # 27303

FIGURE NO.
4

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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
GUTTERSEN STATE CC #20-03, WELD COUNTY, COLORADO
REM # 27303

Sample ID	Sample Date	Depth (ft)	GPS Data		VOC Concentration (ppm)
			Latitude/Longitude		
WH-FS-01 @ 6'	5/19/2023	6	40.302465	-104.463469	24.7
WH-SS-01 @ 5'	5/19/2023	5	40.302482	-104.463464	0.6
WH-SS-02 @ 5'	5/19/2023	5	40.302466	-104.463445	0.8
WH-SS-03 @ 5'	5/19/2023	5	40.302448	-104.463467	338.1
WH-SS-04 @ 5'	5/19/2023	5	40.302464	-104.463490	7.0
Background-01 @ 2'	5/19/2023	2	40.302456	-104.463559	1.5
SB-01 @ 5-7.5'	12/11/2023	5-7.5	40.302479	-104.463462	0.4
SB-01 @ 17.5-20'	12/11/2023	17.5-20	40.302479	-104.463462	0.5
SB-02 @ 5-7.5'	12/11/2023	5-7.5	40.302509	-104.463412	0.5
SB-03 @ 5-7.5'	12/11/2023	5-7.5	40.302420	-104.463402	0.6
SB-04 @ 5-7.5'	12/11/2023	5-7.5	40.302402	-104.463521	1.0
SB-05 @ 5-7.5'	12/11/2023	5-7.5	40.302445	-104.463553	0.6
SB-06 @ 2.5-5'	12/11/2023	2.5-5	40.302758	-104.463876	0.9
SB-06 @ 5-7.5'	12/11/2023	5-7.5	40.302758	-104.463876	0.8
SB-07 @ 2.5-5'	12/11/2023	2.5-5	40.302808	-104.463844	0.6
SB-08 @ 2.5-5'	12/11/2023	2.5-5	40.302717	-104.463821	0.5
SB-09 @ 2.5-5'	12/11/2023	2.5-5	40.302695	-104.463904	0.7
SB-10 @ 2.5-5'	12/11/2023	2.5-5	40.302781	-104.463948	0.6
Background-02 @ 5-7.5'	12/11/2023	5-7.5	40.302628	-104.463387	0.9
Background-02 @ 7.5-10'	12/11/2023	7.5-10	40.302628	-104.463387	0.9
Background-03 @ 5-7.5'	12/11/2023	5-7.5	40.302336	-104.463253	0.9
Background-03 @ 7.5-10'	12/11/2023	7.5-10	40.302336	-104.463253	1.4
Background-04 @ 5-7.5'	12/11/2023	5-7.5	40.302320	-104.463691	0.7
Background-04 @ 7.5-10'	12/11/2023	7.5-10	40.302320	-104.463691	0.7
Background-05 @ 5-7.5'	12/11/2023	5-7.5	40.302582	-104.463804	1.7
Background-05 @ 7.5-10'	12/11/2023	7.5-10	40.302582	-104.463804	1.5
Background-06 @ 5-7.5'	12/11/2023	5-7.5	40.302673	-104.463627	1.4
Background-06 @ 7.5-10'	12/11/2023	7.5-10	40.302673	-104.463627	1.6

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
GUTTERSEN STATE CC #20-03, WELD COUNTY, COLORADO
REM # 27303

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 @ 6'	5/19/2023	6	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-01 @ 5'	5/19/2023	5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-02 @ 5'	5/19/2023	5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-03 @ 5'	5/19/2023	5	<0.00200	<0.00200	0.00686	0.0552	0.0534	0.0660	<0.00380	622	11.0	474	137
WH-SS-04 @ 5'	5/19/2023	5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-01 @ 5-7.5'	12/11/2023	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-01 @ 17.5-20'	12/11/2023	17.5-20	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-02 @ 5-7.5'	12/11/2023	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-03 @ 5-7.5'	12/11/2023	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-04 @ 5-7.5'	12/11/2023	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-05 @ 5-7.5'	12/11/2023	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-06 @ 2.5-5'	12/11/2023	2.5-5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-06 @ 5-7.5'	12/11/2023	5-7.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-07 @ 2.5-5'	12/11/2023	2.5-5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-08 @ 2.5-5'	12/11/2023	2.5-5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-09 @ 2.5-5'	12/11/2023	2.5-5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
SB-10 @ 2.5-5'	12/11/2023	2.5-5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100

1. Bold values are equal to or 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
GUTTERSEN STATE CC #20-03, WELD COUNTY, COLORADO
REM # 27303

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)	Dibenzo (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-FS-01 @ 6'	5/19/2023	6	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000803	<0.00067	<0.00067	0.000994	<0.00067	<0.00067	<0.00201	<0.00201
WH-SS-01 @ 5'	5/19/2023	5	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201
WH-SS-02 @ 5'	5/19/2023	5	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201
WH-SS-03 @ 5'	5/19/2023	5	0.00317	<0.00067	0.00134	<0.00067	<0.00067	<0.00067	0.00335	0.00074	0.000396	0.00836	<0.00067	0.00159	0.0102	0.00603
WH-SS-04 @ 5'	5/19/2023	5	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201
SB-01 @ 5-7.5'	12/11/2023	5-7.5	<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
SB-01 @ 17.5-20'	12/11/2023	17.5-20	<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
SB-02 @ 5-7.5'	12/11/2023	5-7.5	<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
SB-03 @ 5-7.5'	12/11/2023	5-7.5	<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
SB-04 @ 5-7.5'	12/11/2023	5-7.5	<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
SB-05 @ 5-7.5'	12/11/2023	5-7.5	<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
SB-06 @ 2.5-5'	12/11/2023	2.5-5	<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
SB-06 @ 5-7.5'	12/11/2023	5-7.5	<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
SB-07 @ 2.5-5'	12/11/2023	2.5-5	<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
SB-08 @ 2.5-5'	12/11/2023	2.5-5	<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
SB-09 @ 2.5-5'	12/11/2023	2.5-5	<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
SB-10 @ 2.5-5'	12/11/2023	2.5-5	<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

1. Bold values are equal to or 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

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY 100322
GUTTERSEN STATE CC #20-03, WELD COUNTY, COLORADO
REM # 27303

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 @ 6'	5/19/2023	6	8.48 (8.30 / 8.00)	0.257	0.176	<0.0995
WH-SS-01 @ 5'	5/19/2023	5	8.42 (8.29 / 8.24)	0.329	0.102	<0.0981
WH-SS-02 @ 5'	5/19/2023	5	8.04	0.302	0.235	<0.100
WH-SS-03 @ 5'	5/19/2023	5	12.0 (9.18 / 11.3)	1.40	0.670	0.402
WH-SS-04 @ 5'	5/19/2023	5	8.74 (8.44 / 8.36)	0.358	0.231	<0.0988
SB-01 @ 5-7.5'	12/11/2023	5-7.5	7.87	NA	NA	NA
SB-01 @ 17.5-20'	12/11/2023	17.5-20	7.44	NA	NA	NA
SB-02 @ 5-7.5'	12/11/2023	5-7.5	6.81	NA	NA	NA
SB-03 @ 5-7.5'	12/11/2023	5-7.5	7.10	NA	NA	NA
SB-04 @ 5-7.5'	12/11/2023	5-7.5	7.34	NA	NA	NA
SB-05 @ 5-7.5'	12/11/2023	5-7.5	7.27	NA	NA	NA
SB-06 @ 2.5-5'	12/11/2023	2.5-5	7.87	NA	NA	NA
SB-06 @ 5-7.5'	12/11/2023	5-7.5	7.35	NA	NA	NA
SB-07 @ 2.5-5'	12/11/2023	2.5-5	7.65	NA	NA	NA
SB-08 @ 2.5-5'	12/11/2023	2.5-5	7.71	NA	NA	NA
SB-09 @ 2.5-5'	12/11/2023	2.5-5	7.70	NA	NA	NA
SB-10 @ 2.5-5'	12/11/2023	2.5-5	7.67	NA	NA	NA
Background-01 @ 2'	5/19/2023	2	8.12	NA	NA	NA
Background-02 @ 5-7.5'	12/11/2023	5-7.5	8.02	NA	NA	NA
Background-02 @ 7.5-10'	12/11/2023	7.5-10	7.84	NA	NA	NA
Background-03 @ 5-7.5'	12/11/2023	5-7.5	8.16	NA	NA	NA
Background-03 @ 7.5-10'	12/11/2023	7.5-10	7.80	NA	NA	NA
Background-04 @ 5-7.5'	12/11/2023	5-7.5	6.99	NA	NA	NA
Background-04 @ 7.5-10'	12/11/2023	7.5-10	6.91	NA	NA	NA
Background-05 @ 5-7.5'	12/11/2023	5-7.5	6.94	NA	NA	NA
Background-05 @ 7.5-10'	12/11/2023	7.5-10	6.88	NA	NA	NA
Background-06 @ 5-7.5'	12/11/2023	5-7.5	6.93	NA	NA	NA
Background-06 @ 7.5-10'	12/11/2023	7.5-10	6.92	NA	NA	NA
Maximum Background Concentration			8.16			
Average Background Concentration			7.41			

1. Bold values are equal to or exceed the ECMC Table 915-1 limit(s)

2. Blue highlighted soil analytical values indicate a regulatory exceedance

NA - Not analyzed

Laboratory reruns were completed on samples with pH values outside ECMC Table 915-1 Regulatory Range. Results of the reruns are presented in parentheses.

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
GUTTERSEN STATE CC #20-03, WELD COUNTY, COLORADO
REM # 27303

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-SS-03 @ 5'	5/19/2023	5	2.04	45.5	0.0885	<0.245*	<8.85	41.7	<8.85	<0.0885	<0.0885	<88.5
SB-01 @ 5-7.5'	12/11/2023	5-7.5	0.919	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-01 @ 17.5-20'	12/11/2023	17.5-20	0.932	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-02 @ 5-7.5'	12/11/2023	5-7.5	0.961	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-03 @ 5-7.5'	12/11/2023	5-7.5	0.634	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-04 @ 5-7.5'	12/11/2023	5-7.5	0.843	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-05 @ 5-7.5'	12/11/2023	5-7.5	0.983	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-06 @ 2.5-5'	12/11/2023	2.5-5	1.03	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-06 @ 5-7.5'	12/11/2023	5-7.5	0.922	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-07 @ 2.5-5'	12/11/2023	2.5-5	1.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-08 @ 2.5-5'	12/11/2023	2.5-5	1.11	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-09 @ 2.5-5'	12/11/2023	2.5-5	0.827	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-10 @ 2.5-5'	12/11/2023	2.5-5	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-01 @ 2'	5/19/2023	2	1.38	42.6	<0.0864	NA	<8.64	<8.64	<8.64	0.109	<0.0864	<86.4
Background-02 @ 5-7.5'	12/11/2023	5-7.5	0.817	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-02 @ 7.5-10'	12/11/2023	7.5-10	0.899	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 5-7.5'	12/11/2023	5-7.5	0.848	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-03 @ 7.5-10'	12/11/2023	7.5-10	0.664	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 5-7.5'	12/11/2023	5-7.5	0.687	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-04 @ 7.5-10'	12/11/2023	7.5-10	0.665	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 5-7.5'	12/11/2023	5-7.5	1.01	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-05 @ 7.5-10'	12/11/2023	7.5-10	0.557	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 5-7.5'	12/11/2023	5-7.5	0.613	NA	NA	NA	NA	NA	NA	NA	NA	NA
Background-06 @ 7.5-10'	12/11/2023	7.5-10	0.735	NA	NA	NA	NA	NA	NA	NA	NA	NA
Maximum Background Concentration			1.38	42.6						0.109		
125% Maximum Background Concentration			1.73	53.3						0.136		

1. Bold values are equal to or 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)

* Indicates laboratory minimum detection limit in excess of SSL

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	(0-20') clayey SAND- brown, dry to moist, loose, medium grained, poorly-graded with ~15% clay, N/O, N/S	SC	HA	1	N/A	0.4	N/A		Well not completed			
0.5						0.3						
5			DP	1	80	0.4	N/A					
5.5						0.5						
10			DP	2	90	0.5	N/A					
10.5						0.5						
15			DP	3	90	0.3	N/A					
15.5						0.5						
20			BoB @ 20'									

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: 12/11/23		SAND PACK INTERVAL (FEET): N/A	
PROJECT: GUTTERSEN STATE CC #20-03		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: E. LOVELL/R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 20	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 0930/0955			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/0936 & 17.5-20/0953			


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	(0-10') clayey SAND- brown, dry to moist, loose, medium grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	90	1.1	N/A	5		Well not completed
5						0.5				
5			DP	2	80	0.5	N/A			
10						0.3				
10	BoB @ 10'									
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: 12/11/23		SAND PACK INTERVAL (FEET): N/A	
PROJECT: GUTTERSEN STATE CC #20-03		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: E. LOVELL/R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1000/1010			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1006			


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	(0-10') clayey SAND- brown, dry to moist, loose, medium grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	80	0.6	N/A		Well not completed	
5						0.5				
5			DP	2	80	0.6	N/A			
10						0.4				
10	BoB @ 10'									
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: 12/11/23	SAND PACK INTERVAL (FEET): N/A
PROJECT: GUTTERSEN STATE CC #20-03	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: E. LOVELL/R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #15	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1045/1055	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1050	


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	(0-10') clayey SAND- brown, moist, loose, fine grained, poorly-graded with ~15% clay, N/O @ ~4', N/O, Black Staining	SC	DP	1	90	0.5	N/A		Well not completed	
5						108.9				
5			DP	2	80	1.0	N/A			
10						0.9				
10	BoB @ 10'									
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: 12/11/23		SAND PACK INTERVAL (FEET): N/A	
PROJECT: GUTTERSEN STATE CC #20-03		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: E. LOVELL/R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1030/1040			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1035			

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	(0-10') clayey SAND- brown, dry to moist, loose, medium grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	90	0.5	N/A		Well not completed	
5						0.4				
5			DP	2	90	0.6	N/A			
10						0.4				
10	BoB @ 10'									
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: 12/11/23		SAND PACK INTERVAL (FEET): N/A	
PROJECT: GUTTERSEN STATE CC #20-03		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: E. LOVELL/R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1015/1025			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1020			

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	(0-7.5') clayey SAND- brown, dry to moist, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	90	1.8	N/A	0		Well not completed
						0.9				
5			DP	2	100	0.8	N/A			
7.5	BoB @ 7.5'									
10										
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: 12/11/23	SAND PACK INTERVAL (FEET): N/A
PROJECT: GUTTERSEN STATE CC #20-03	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: E. LOVELL/R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #15	
TIME STARTED/COMPLETED: 1220/1230	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1223 & 5-7.5/1227	



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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					
0	(0-7.5') clayey SAND- brown, dry to moist, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	90	1.2			Well not completed
						0.6			
5			DP	2	80	0.6			
7.5	BoB @ 7.5'								
10									
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: 12/11/23	SAND PACK INTERVAL (FEET): N/A
PROJECT: GUTTERSEN STATE CC #20-03	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: E. LOVELL/R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #15	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1305/1315	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1308	

DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-7.5') clayey SAND- brown, dry to moist, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	100	1.4	N/A		Well not completed
5						0.5			
5			DP	2	80	0.7	N/A		
7.5	BoB @ 7.5'								
10									
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: 12/11/23	SAND PACK INTERVAL (FEET): N/A
PROJECT: GUTTERSEN STATE CC #20-03	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: E. LOVELL/R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #15	
TIME STARTED/COMPLETED: 1235/1245	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1239	



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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					
0	(0-7.5') clayey SAND- brown, dry to moist, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	90	1.1	N/A		Well not completed
2.5						0.7			
5			DP	2	80	0.6	N/A		
7.5	BoB @ 7.5'								
10									
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: 12/11/23	SAND PACK INTERVAL (FEET): N/A
PROJECT: GUTTERSEN STATE CC #20-03	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: E. LOVELL/R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #15	
TIME STARTED/COMPLETED: 1320/1330	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1323	



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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					
0	(0-7.5') clayey SAND- brown, dry to moist, loose, fine grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	90	1.4	N/A		Well not completed
						0.6			
5			DP	2	80	0.7	N/A		
7.5	BoB @ 7.5'								
10									
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: 12/11/23	SAND PACK INTERVAL (FEET): N/A
PROJECT: GUTTERSEN STATE CC #20-03	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: E. LOVELL/R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 7.5	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #15	
TIME STARTED/COMPLETED: 1250/1300	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1253	




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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					
0	(0-10') clayey SAND- brown, moist, loose, medium grained, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	90	3.6	N/A		Well not completed
2.3									
5			DP	2	90	0.9	N/A		
0.9									
10	BoB @ 10'								
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: 12/11/23		SAND PACK INTERVAL (FEET): N/A	
PROJECT: GUTTERSEN STATE CC #20-03		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: E. LOVELL/R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1100/1110			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1105 & 7.5-10/1108			


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	(0-10') clayey SAND- brown, moist, loose, medium grain, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1		2.3	N/A		Well not completed	
2.5						2.3				
5			DP	2		0.9	N/A			
7.5						1.4				
10	BoB @ 10'									
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: 12/11/23		SAND PACK INTERVAL (FEET): N/A	
PROJECT: GUTTERSEN STATE CC #20-03		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: E. LOVELL/R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1115/1125			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1120 & 7.5-10/1123			


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	(0-10') clayey SAND- brown, moist, loose, medium grain, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1		1.8	N/A	5		Well not completed
5						0.8				
5			DP	2		0.7	N/A			
10						0.7				
10	BoB @ 10'									
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: 12/11/23		SAND PACK INTERVAL (FEET): N/A	
PROJECT: GUTTERSEN STATE CC #20-03		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: E. LOVELL/R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1130/1140			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1135 & 7.5-10/1137			

DEPTH (FT)	LITHOLOGY	SAMPLE			OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER					
0	(0-10') clayey SAND- brown, moist, loose, medium grain, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	90	2.1	N/A		Well not completed
2.5						3.3			
5			DP	2	80	1.7	N/A		
7.5						1.5			
10	BoB @ 10'								
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: 12/11/23	SAND PACK INTERVAL (FEET): N/A
PROJECT: GUTTERSEN STATE CC #20-03	BENTONITE/GROUT INTERVAL (FEET): N/A
LOGGED BY: E. LOVELL/R. SEYLER	WELL SCREEN INTERVAL (FEET): N/A
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): N/A
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A
PID INSTRUMENT: MiniRAE 3000 - PID #15	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1145/1155	
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1150 & 7.5-10/1153	

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	(0-10') clayey SAND- brown, moist, loose, medium grain, poorly-graded with ~15% clay, N/O, N/S	SC	DP	1	80	3.1	N/A		Well not completed	
2.7										
5			DP	2	80	1.4	N/A			
1.6										
10	BoB @ 10'									
15										
20										
25									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	
30										

START/COMPLETION DATE: 12/11/23		SAND PACK INTERVAL (FEET): N/A	
PROJECT: GUTTERSEN STATE CC #20-03		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: E. LOVELL/R. SEYLER		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1200/1210			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1205 & 7.5-10/1208			



ATTACHMENT B

Laboratory Analytical Reports

January 02, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Guttersen State CC 20-03 Project Number - [none]

Attached are your analytical results for Noble - Guttersen State CC 20-03 received by Origins Laboratory, Inc. December 11, 2023. This project is associated with Origins project number Y312317-01.

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

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

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

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

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

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



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01@5-7.5'	Y312317-01	Soil	December 11, 2023 9:36	12/11/2023 15:53
SB-01@17.5-20'	Y312317-02	Soil	December 11, 2023 9:53	12/11/2023 15:53
SB-02@5-7.5'	Y312317-03	Soil	December 11, 2023 10:00	12/11/2023 15:53
SB-03@5-7.5'	Y312317-04	Soil	December 11, 2023 10:50	12/11/2023 15:53
SB-04@5-7.5'	Y312317-05	Soil	December 11, 2023 10:35	12/11/2023 15:53
SB-05@5-7.5'	Y312317-06	Soil	December 11, 2023 10:20	12/11/2023 15:53
SB-06@2.5-5'	Y312317-07	Soil	December 11, 2023 12:23	12/11/2023 15:53
SB-06@5-7.5'	Y312317-08	Soil	December 11, 2023 12:27	12/11/2023 15:53
SB-07@2.5-5'	Y312317-09	Soil	December 11, 2023 13:08	12/11/2023 15:53
SB-08@2.5-5'	Y312317-10	Soil	December 11, 2023 12:39	12/11/2023 15:53
SB-09@2.5-5'	Y312317-11	Soil	December 11, 2023 13:23	12/11/2023 15:53
SB-10@2.5-5'	Y312317-12	Soil	December 11, 2023 12:53	12/11/2023 15:53

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Guttersten State CC 20-03

www.originslaboratory.com

4312317

page 1 of 2

ORIGINS
 LABORATORY, INC

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
 Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: anewberry@eagle-enviro.com

Project Manager: Andrew Newberry
 Project Name: Guttersten State CC #20-03
 Project Number: _____
 Samples Collected By: RS/EL

Fax: 303.265.9645 | Phone: 303.433.1322 | Denver, CO 80211

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa	Other	Gravel, Amph	Drugs, Steroid	PAHs, PCBs, PCP	
SB-01e 5-7.5'	12/11/13	0936	3	X				X				X	X	X	PH = substituted peak prep
SB-01e 17.5-20'		0953													2
SB-02e 5-7.5'		1006													3
SB-03e 5-7.5'		1050													4
SB-04e 5-7.5'		1035													5
SB-05e 5-7.5'		1020													6
SB-06e 2.5-5'		1223													7
SB-06e 5-7.5'		1227													8
SB-07e 2.5-5'		1308													9
SB-08e 2.5-5'		1229													10
Relinquished By: <i>[Signature]</i>	Date: 12/11/13	Time: 1553		Received By: EHS	Date: 12/11/13	Time: 1553		Received By:	Date:	Time:	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard				

Date Results Needed: *Noble*

Temp Received: 3.3

Bill to Dan

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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 - Gutterson State CC 20-03

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4312317

Client: Eagle

Client Project ID: Gutterson St CC #20-03

Checklist Completed by: JPH/CHS

Shipped Via: TLR

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

Date/time completed: 12/12/23

Airbill #: N/A

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

Cooler Number/Temperature: 1, 3.3 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: T004

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

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 12/13/23

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-01@5-7.5'

12/11/2023 9:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	90.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/21/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.0 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.5 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	116 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-01@5-7.5'

12/11/2023 9:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	107 %		60-130			"	"	"	
Surrogate: Anthracene-d10	95.6 %		60-130			"	"	"	
Surrogate: Pyrene-d10	97.0 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	102 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-01@5-7.5'

12/11/2023 9:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-01 (Soil)

pH in Soil by 9045D

pH	7.87			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	0.919	0.0855	0.25	mg/Kg	5	L723868	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Gutterson State CC 20-03

SB-01@17.5-20'
12/11/2023 9:53:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

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

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/21/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.7 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	115 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Gutterson State CC 20-03

SB-01@17.5-20'
12/11/2023 9:53:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	107 %		60-130			"	"	"	
Surrogate: Anthracene-d10	95.2 %		60-130			"	"	"	
Surrogate: Pyrene-d10	98.4 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	104 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Gutterson State CC 20-03

SB-01@17.5-20'

12/11/2023 9:53:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-02 (Soil)

pH in Soil by 9045D

pH	7.44			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	0.932	0.0855	0.25	mg/Kg	5	L723868	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Gutterson State CC 20-03

SB-02@5-7.5'

12/11/2023 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	87.1 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/21/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.2 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	118 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-02@5-7.5'

12/11/2023 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-03 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	106 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.4 %		60-130			"	"	"	
Surrogate: Pyrene-d10	99.7 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	105 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-02@5-7.5'

12/11/2023 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-03 (Soil)

pH in Soil by 9045D

pH	6.81			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	0.961	0.0855	0.25	mg/Kg	5	L723868	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-03@5-7.5'

12/11/2023 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	90.2 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/21/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.8 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.7 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	115 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-03@5-7.5'

12/11/2023 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-04 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	107 %		60-130			"	"	"	
Surrogate: Anthracene-d10	93.7 %		60-130			"	"	"	
Surrogate: Pyrene-d10	99.1 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	109 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-03@5-7.5'

12/11/2023 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-04 (Soil)

pH in Soil by 9045D

pH	7.10			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	0.634	0.0855	0.25	mg/Kg	5	L723868	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-04@5-7.5'

12/11/2023 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	89.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/21/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.7 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	118 %		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 - Gutterson State CC 20-03

SB-04@5-7.5'

12/11/2023 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-05 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	107 %		60-130			"	"	"	
Surrogate: Anthracene-d10	95.2 %		60-130			"	"	"	
Surrogate: Pyrene-d10	98.6 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-04@5-7.5'

12/11/2023 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-05 (Soil)

pH in Soil by 9045D

pH	7.34			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	0.843	0.0855	0.25	mg/Kg	5	L723868	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-05@5-7.5'

12/11/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	89.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/21/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.2 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	115 %		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 - Gutterson State CC 20-03

SB-05@5-7.5'

12/11/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-06 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	106 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.0 %		60-130			"	"	"	
Surrogate: Pyrene-d10	99.6 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %		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 - Gutterson State CC 20-03

SB-05@5-7.5'

12/11/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-06 (Soil)

pH in Soil by 9045D

pH	7.27			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	0.983	0.0855	0.25	mg/Kg	5	L723868	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-06@2.5-5'

12/11/2023 12:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-07 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	95.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/21/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.6 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	116 %		70-130			"	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-06@2.5-5'

12/11/2023 12:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-07 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	107 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.5 %		60-130			"	"	"	
Surrogate: Pyrene-d10	101 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	107 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
Project Number: [none]
Project: Noble - Gutterson State CC 20-03

SB-06@2.5-5'

12/11/2023 12:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-07 (Soil)

pH in Soil by 9045D

pH	7.87			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	1.03	0.0855	0.25	mg/Kg	5	L723868	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-06@5-7.5'

12/11/2023 12:27:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-08 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	92.4 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/22/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.2 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	114 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-06@5-7.5'
12/11/2023 12:27:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-08 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	108 %		60-130			"	"	"	
Surrogate: Anthracene-d10	97.4 %		60-130			"	"	"	
Surrogate: Pyrene-d10	97.1 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	106 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-06@5-7.5'

12/11/2023 12:27:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-08 (Soil)

pH in Soil by 9045D

pH	7.35			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	0.922	0.0855	0.25	mg/Kg	5	L723868	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-07@2.5-5'

12/11/2023 1:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-09 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	92.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/22/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.2 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	117 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-07@2.5-5'

12/11/2023 1:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-09 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	106 %		60-130			"	"	"	
Surrogate: Anthracene-d10	95.2 %		60-130			"	"	"	
Surrogate: Pyrene-d10	97.0 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	110 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
Project Number: [none]
Project: Noble - Gutterson State CC 20-03

SB-07@2.5-5'

12/11/2023 1:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-09 (Soil)

pH in Soil by 9045D

pH	7.65			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	1.19	0.0855	0.25	mg/Kg	5	L723868	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-08@2.5-5'

12/11/2023 12:39:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-10 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	86.7 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/22/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	116 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-08@2.5-5'

12/11/2023 12:39:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-10 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	107 %		60-130			"	"	"	
Surrogate: Anthracene-d10	94.6 %		60-130			"	"	"	
Surrogate: Pyrene-d10	98.3 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	104 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-08@2.5-5'

12/11/2023 12:39:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-10 (Soil)

pH in Soil by 9045D

pH	7.71			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	1.11	0.0855	0.25	mg/Kg	5	L723869	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-09@2.5-5'

12/11/2023 1:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-11 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	90.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/22/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.4 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	115 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-09@2.5-5'

12/11/2023 1:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-11 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	107 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.0 %		60-130			"	"	"	
Surrogate: Pyrene-d10	98.5 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	108 %		60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Guttersen State CC 20-03

SB-09@2.5-5'

12/11/2023 1:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-11 (Soil)

pH in Soil by 9045D

pH	7.70			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	0.827	0.0855	0.25	mg/Kg	5	L723869	12/20/2023	12/27/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-10@2.5-5'

12/11/2023 12:53:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-12 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3L1301	12/13/2023	12/14/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	92.2 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3L1431	12/14/2023	12/22/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	117 %		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 - Gutterson State CC 20-03

SB-10@2.5-5'

12/11/2023 12:53:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-12 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3L1319	12/13/2023	12/16/2023	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	108 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.4 %		60-130			"	"	"	
Surrogate: Pyrene-d10	97.6 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	106 %		60-130			"	"	"	

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

SB-10@2.5-5'

12/11/2023 12:53:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312317-12 (Soil)

pH in Soil by 9045D

pH	7.67			pH Units	1	B3L1317	12/13/2023	12/14/2023	
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Total Metals by 6020B

Arsenic	1.25	0.0855	0.25	mg/Kg	5	L723869	12/20/2023	12/27/2023	
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 Project: Noble - Gutterson State CC 20-03

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 B3L1301 - EPA 3550B										
Blank (B3L1301-BLK1)										
					Prepared: 12/13/2023 Analyzed: 12/14/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	13		"	24.9		52.8	50-150			

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Andrew Newberry
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 Project: Noble - Gutterson State CC 20-03

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 B3L1301 - EPA 3550B

LCS (B3L1301-BS1)

Prepared: 12/13/2023 Analyzed: 12/14/2023

Diesel (C10-C28)	933	50.0	mg/kg	1000		93.3	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	63		"	49.8		126	50-150			

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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 B3L1301 - EPA 3550B

Matrix Spike (B3L1301-MS1)	Source: Y312311-01			Prepared: 12/13/2023 Analyzed: 12/14/2023						
Diesel (C10-C28)	963	50.0	mg/kg	1000	ND	96.3	70-130			
Residual Range Organics (C28-C40)	1040	200	"	1000	ND	104	70-130			
Surrogate: o-Terphenyl	46		"	49.8		93.2	50-150			

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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 B3L1301 - EPA 3550B

Matrix Spike Dup (B3L1301-MSD1)	Source: Y312311-01			Prepared: 12/13/2023 Analyzed: 12/14/2023						
Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	70-130	4.63	35	
Residual Range Organics (C28-C40)	1090	200	"	1000	ND	109	70-130	4.43	35	
<i>Surrogate: o-Terphenyl</i>	49		"	49.8		99.1	50-150			

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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 B3L1431 - EPA 5030 (soil)

Blank (B3L1431-BLK1)

Prepared: 12/14/2023 Analyzed: 12/21/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	93.8		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	99.0		70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125	116		70-130			

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 Project: Noble - Gutterson State CC 20-03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1431 - EPA 5030 (soil)

LCS (B3L1431-BS1)

Prepared: 12/14/2023 Analyzed: 12/21/2023

1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg	0.100		111	70-130			
1,3,5-Trimethylbenzene	0.0979	0.00200	"	0.100		97.9	70-130			
Benzene	0.108	0.00200	"	0.100		108	70-130			
Ethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Naphthalene	0.114	0.00380	"	0.100		114	70-130			
Toluene	0.0963	0.00200	"	0.100		96.3	70-130			
o-Xylene	0.112	0.00200	"	0.100		112	70-130			
m,p-Xylene	0.215	0.00400	"	0.200		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		111	70-130			

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1431 - EPA 5030 (soil)

Matrix Spike (B3L1431-MS1)	Source: Y312317-01			Prepared: 12/14/2023 Analyzed: 12/21/2023						
1,2,4-Trimethylbenzene	0.127	0.00200	mg/kg	0.100	ND	127	70-130			
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100	ND	114	70-130			
Benzene	0.117	0.00200	"	0.100	ND	117	70-130			
Ethylbenzene	0.130	0.00200	"	0.100	ND	130	70-130			
Naphthalene	0.118	0.00380	"	0.100	ND	118	70-130			
Toluene	0.109	0.00200	"	0.100	ND	109	70-130			
o-Xylene	0.131	0.00200	"	0.100	ND	131	70-130			QM-07
m,p-Xylene	0.262	0.00400	"	0.200	ND	131	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		112	70-130			

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1431 - EPA 5030 (soil)

Matrix Spike Dup (B3L1431-MSD1)	Source: Y312317-01			Prepared: 12/14/2023 Analyzed: 12/21/2023						
1,2,4-Trimethylbenzene	0.129	0.00200	mg/kg	0.100	ND	129	70-130	1.46	20	
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100	ND	114	70-130	0.141	20	
Benzene	0.120	0.00200	"	0.100	ND	120	70-130	2.04	20	
Ethylbenzene	0.133	0.00200	"	0.100	ND	133	70-130	1.89	20	QM-07
Naphthalene	0.124	0.00380	"	0.100	ND	124	70-130	4.80	20	
Toluene	0.109	0.00200	"	0.100	ND	109	70-130	0.183	20	
o-Xylene	0.135	0.00200	"	0.100	ND	135	70-130	3.11	20	QM-07
m,p-Xylene	0.268	0.00400	"	0.200	ND	134	70-130	2.35	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		111	70-130			

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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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 B3L1319 - EPA 3580

Blank (B3L1319-BLK1)

Prepared: 12/13/2023 Analyzed: 12/16/2023

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	210		ug/kg	200		107	60-130			
Surrogate: Anthracene-d10	190		"	200		96.2	60-130			
Surrogate: Pyrene-d10	200		"	200		99.5	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

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 B3L1319 - EPA 3580

LCS (B3L1319-BS1)

Prepared: 12/13/2023 Analyzed: 12/16/2023

1-Methylnaphthalene	0.198	0.002	mg/kg	0.200		99.0	70-130			
2-Methylnaphthalene	0.201	0.002	"	0.200		100	70-130			
Acenaphthene	0.191	0.020	"	0.200		95.7	70-130			
Anthracene	0.174	0.020	"	0.200		86.8	70-130			
Benzo (a) anthracene	0.186	0.005	"	0.200		92.8	70-130			
Benzo (a) pyrene	0.205	0.020	"	0.200		102	70-130			
Benzo (b) fluoranthene	0.181	0.020	"	0.200		90.6	70-130			
Benzo (g,h,i) perylene	0.205	0.020	"	0.200		103	70-130			
Benzo (k) fluoranthene	0.176	0.020	"	0.200		87.8	70-130			
Chrysene	0.172	0.020	"	0.200		86.1	70-130			
Dibenz (a,h) anthracene	0.192	0.020	"	0.200		95.8	70-130			
Fluoranthene	0.196	0.020	"	0.200		97.9	70-130			
Fluorene	0.199	0.020	"	0.200		99.6	70-130			
Indeno (1,2,3-cd) pyrene	0.227	0.020	"	0.200		113	70-130			
Naphthalene	0.194	0.002	"	0.200		97.2	70-130			
Phenanthrene	0.176	0.020	"	0.200		88.2	70-130			
Pyrene	0.180	0.020	"	0.200		90.2	70-130			
Surrogate: Fluorene-d10	220		ug/kg	200		108	60-130			
Surrogate: Anthracene-d10	190		"	200		93.8	60-130			
Surrogate: Pyrene-d10	190		"	200		96.6	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

Matrix Spike (B3L1319-MS1)

Source: Y312317-01

Prepared: 12/13/2023 Analyzed: 12/16/2023

1-Methylnaphthalene	0.210	0.002	mg/kg	0.200	ND	105	70-130			
2-Methylnaphthalene	0.208	0.002	"	0.200	ND	104	70-130			
Acenaphthene	0.205	0.020	"	0.200	ND	102	70-130			
Anthracene	0.187	0.020	"	0.200	ND	93.6	70-130			

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

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 B3L1319 - EPA 3580

Matrix Spike (B3L1319-MS1)		Source: Y312317-01			Prepared: 12/13/2023 Analyzed: 12/16/2023					
Benzo (a) anthracene	0.207	0.005	mg/kg	0.200	ND	104	70-130			
Benzo (a) pyrene	0.220	0.020	"	0.200	ND	110	70-130			
Benzo (b) fluoranthene	0.211	0.020	"	0.200	ND	105	70-130			
Benzo (g,h,i) perylene	0.225	0.020	"	0.200	ND	112	70-130			
Benzo (k) fluoranthene	0.198	0.020	"	0.200	ND	98.8	70-130			
Chrysene	0.180	0.020	"	0.200	ND	90.0	70-130			
Dibenz (a,h) anthracene	0.212	0.020	"	0.200	ND	106	70-130			
Fluoranthene	0.204	0.020	"	0.200	0.0005	102	70-130			
Fluorene	0.223	0.020	"	0.200	ND	111	70-130			
Indeno (1,2,3-cd) pyrene	0.236	0.020	"	0.200	ND	118	70-130			
Naphthalene	0.205	0.002	"	0.200	ND	102	70-130			
Phenanthrene	0.190	0.020	"	0.200	ND	95.1	70-130			
Pyrene	0.198	0.020	"	0.200	ND	98.8	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	190		"	200		93.3	60-130			
Surrogate: Pyrene-d10	200		"	200		98.2	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

Matrix Spike Dup (B3L1319-MSD1)		Source: Y312317-01			Prepared: 12/13/2023 Analyzed: 12/16/2023					
1-Methylnaphthalene	0.223	0.002	mg/kg	0.200	ND	111	70-130	5.66	20	
2-Methylnaphthalene	0.209	0.002	"	0.200	ND	104	70-130	0.267	20	
Acenaphthene	0.205	0.020	"	0.200	ND	102	70-130	0.119	20	
Anthracene	0.213	0.020	"	0.200	ND	106	70-130	12.8	20	
Benzo (a) anthracene	0.194	0.005	"	0.200	ND	96.9	70-130	6.61	20	
Benzo (a) pyrene	0.219	0.020	"	0.200	ND	110	70-130	0.266	20	
Benzo (b) fluoranthene	0.211	0.020	"	0.200	ND	106	70-130	0.316	20	
Benzo (g,h,i) perylene	0.213	0.020	"	0.200	ND	107	70-130	5.35	20	

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Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

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 B3L1319 - EPA 3580

Matrix Spike Dup (B3L1319-MSD1)	Source: Y312317-01			Prepared: 12/13/2023 Analyzed: 12/16/2023						
Benzo (k) fluoranthene	0.203	0.020	mg/kg	0.200	ND	101	70-130	2.45	20	
Chrysene	0.184	0.020	"	0.200	ND	92.2	70-130	2.38	20	
Dibenz (a,h) anthracene	0.207	0.020	"	0.200	ND	103	70-130	2.21	20	
Fluoranthene	0.209	0.020	"	0.200	0.0005	104	70-130	2.54	20	
Fluorene	0.222	0.020	"	0.200	ND	111	70-130	0.253	20	
Indeno (1,2,3-cd) pyrene	0.229	0.020	"	0.200	ND	114	70-130	3.30	20	
Naphthalene	0.207	0.002	"	0.200	ND	103	70-130	0.994	20	
Phenanthrene	0.194	0.020	"	0.200	ND	96.9	70-130	1.89	20	
Pyrene	0.195	0.020	"	0.200	ND	97.7	70-130	1.10	20	
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	190		"	200		96.8	60-130			
Surrogate: Pyrene-d10	200		"	200		99.1	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Gutterson State CC 20-03

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1317 - Saturated Paste pH/EC

Duplicate (B3L1317-DUP1)

Source: Y312317-01

Prepared: 12/13/2023 Analyzed: 12/14/2023

pH	8.00		pH Units		7.87			1.64	25	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L723868 - 3050B

MSD (L 88120-MSD-L723868)		Source: Y312317-09			Prepared: 12/20/2023 Analyzed: 12/27/2023					
Arsenic	3.11	0.25	mg/Kg	2.33	1.19	82	75-125	8.7	80	
MS (L 88120-MS-L723868)		Source: Y312317-09			Prepared: 12/20/2023 Analyzed: 12/27/2023					
Arsenic	2.85	0.25	mg/Kg	2.31	1.19	72	75-125			*
LCS (LCS-L723868)		Prepared: 12/20/2023 Analyzed: 12/27/2023								
Arsenic	2.34	0.25	mg/Kg	2.5		94	80-120			
LRB (LRB-L723868)		Prepared: 12/20/2023 Analyzed: 12/27/2023								
Arsenic	ND	0.25	mg/Kg							

Batch L723869 - 3050B

MSD (L 88181-MSD-L723869)		Source: 88181			Prepared: 12/20/2023 Analyzed: 12/29/2023					
Arsenic	4.25	0.25	mg/Kg	2.34	2.67	68	75-125	1.1	80	*
MS (L 88181-MS-L723869)		Source: 88181			Prepared: 12/20/2023 Analyzed: 12/29/2023					
Arsenic	4.2	0.25	mg/Kg	2.32	2.67	66	75-125			*
LCS (LCS-L723869)		Prepared: 12/20/2023 Analyzed: 12/27/2023								
Arsenic	2.37	0.25	mg/Kg	2.5		95	80-120			
LRB (LRB-L723869)		Prepared: 12/20/2023 Analyzed: 12/27/2023								
Arsenic	ND	0.25	mg/Kg							

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Andrew Newberry
Project Number: [none]
Project: Noble - Gutterson State CC 20-03

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.

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

January 10, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Guttersen State CC 20-03 Project Number - [none]

Attached are your analytical results for Noble - Guttersen State CC 20-03 received by Origins Laboratory, Inc. December 11, 2023. This project is associated with Origins project number Y312319-01.

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

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

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

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

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

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



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Guttersen State CC 20-03

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-02@5-7.5'	Y312319-01	Soil	December 11, 2023 11:05	12/11/2023 15:53
Background-02@7.5-10'	Y312319-02	Soil	December 11, 2023 11:08	12/11/2023 15:53
Background-03@5-7.5'	Y312319-03	Soil	December 11, 2023 11:20	12/11/2023 15:53
Background-03@7.5-10'	Y312319-04	Soil	December 11, 2023 11:23	12/11/2023 15:53
Background-04@5-7.5'	Y312319-05	Soil	December 11, 2023 11:35	12/11/2023 15:53
Background-04@7.5-10'	Y312319-06	Soil	December 11, 2023 11:37	12/11/2023 15:53
Background-05@5-7.5'	Y312319-07	Soil	December 11, 2023 11:50	12/11/2023 15:53
Background-05@7.5-10'	Y312319-08	Soil	December 11, 2023 11:53	12/11/2023 15:53
Background-06@5-7.5'	Y312319-09	Soil	December 11, 2023 12:05	12/11/2023 15:53
Background-06@7.5-10'	Y312319-10	Soil	December 11, 2023 12:08	12/11/2023 15:53

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 - Gutteresen State CC 20-03

www.originslaboratory.com

4312319

page 1 of 1

ORIGINS
 LABORATORY, INC

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: anewberry@eagle-environ.com

Project Manager: Andrew Newberry
 Project Name: Gutteresen State CC #20-03
 Project Number: _____
 Samples Collected By: RS/EL

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions			
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	PH		As - Pb		
Background -02@ 5-7.5'	12/11/23	1105	2	X				X						X	X	PH-saturated point prep
Background -02@ 7.5-10'		1106														
Background -03@ 5-7.5'		1120														
Background -03@ 7.5-10'		1123														
Background -04@ 5-7.5'		1135														
Background -04@ 7.5-10'		1137														
Background -05@ 5-7.5'		1150														
Background -05@ 7.5-10'		1153														
Background -06@ 5-7.5'		1205														
Background -06@ 7.5-10'		1206														
Relinquished By: <u>[Signature]</u>	Date: 12/11/23	Time: 1553	Received By: <u>ELH</u>	Date: 12/11/23	Time: 1553	Received By: <u>[Signature]</u>	Date: 12/11/23	Time: 1553	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>							

Temp Received- 3,3
 Date Results Needed- Noble

Origins Laboratory, Inc.

[Signature]

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

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4312319

Client: Eagle

Client Project ID: Gutterson St CC # 20-03

Checklist Completed by: JHV/CHS

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

Date/time completed: 12/12/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 13.3 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			/	
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 12/13/23

Origins Laboratory, Inc.

[Signature]

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

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Gutterson State CC 20-03

Background-02@5-7.5'
12/11/2023 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312319-01 (Soil)

pH in Soil by 9045D

pH	8.02			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	0.817	0.0855	0.25	mg/Kg	5	L723528	12/19/2023	01/10/2024	
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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 - Gutterson State CC 20-03

Background-02@7.5-10'

12/11/2023 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312319-02 (Soil)

pH in Soil by 9045D

pH	7.84			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	0.899	0.0855	0.25	mg/Kg	5	L723528	12/19/2023	01/10/2024	
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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 - Gutterson State CC 20-03

Background-03@5-7.5'
12/11/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312319-03 (Soil)

pH in Soil by 9045D

pH	8.16			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	0.848	0.0855	0.25	mg/Kg	5	L723528	12/19/2023	01/10/2024	
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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 - Gutterson State CC 20-03

Background-03@7.5-10'
12/11/2023 11:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312319-04 (Soil)

pH in Soil by 9045D

pH	7.80			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	0.664	0.0855	0.25	mg/Kg	5	L723528	12/19/2023	01/10/2024	
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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 - Gutterson State CC 20-03

Background-04@5-7.5'
12/11/2023 11:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312319-05 (Soil)

pH in Soil by 9045D

pH	6.99			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	0.687	0.0855	0.25	mg/Kg	5	L723528	12/19/2023	01/10/2024	
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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 - Gutterson State CC 20-03

Background-04@7.5-10'

12/11/2023 11:37:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312319-06 (Soil)

pH in Soil by 9045D

pH	6.91			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	0.665	0.0855	0.25	mg/Kg	5	L723528	12/19/2023	01/10/2024	
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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 - Gutterson State CC 20-03

Background-05@5-7.5'
12/11/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312319-07 (Soil)

pH in Soil by 9045D

pH	6.94			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	1.01	0.0855	0.25	mg/Kg	5	L723529	12/19/2023	01/06/2024	
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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 - Gutterson State CC 20-03

Background-05@7.5-10'

12/11/2023 11:53:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312319-08 (Soil)

pH in Soil by 9045D

pH	6.88			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	0.557	0.0855	0.25	mg/Kg	5	L723529	12/19/2023	01/06/2024	B
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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 - Gutterson State CC 20-03

Background-06@5-7.5'
12/11/2023 12:05:00PM

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

Origins Laboratory, Inc.
Y312319-09 (Soil)

pH in Soil by 9045D

pH	6.93			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	0.613	0.0855	0.25	mg/Kg	5	L723529	12/19/2023	01/06/2024	B
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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 - Gutterson State CC 20-03

Background-06@7.5-10'

12/11/2023 12:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312319-10 (Soil)

pH in Soil by 9045D

pH	6.92			pH Units	1	B3L1417	12/14/2023	12/15/2023	
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Total Metals by 6020B

Arsenic	0.735	0.0855	0.25	mg/Kg	5	L723529	12/19/2023	01/06/2024	B
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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 - Gutterson State CC 20-03

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1417 - Saturated Paste pH/EC

Duplicate (B3L1417-DUP1)

Source: Y312319-01

Prepared: 12/14/2023 Analyzed: 12/15/2023

pH	8.12		pH Units		8.02			1.24	25	
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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 - Gutterson State CC 20-03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L723529 - 3050B										
MSD (L 88038-MSD-L723529)		Source: 88038			Prepared: 12/19/2023 Analyzed: 01/09/2024					
Arsenic	3.61	0.25	mg/Kg dry	2.38	1.78	77	75-125	3.2	80	
MS (L 88038-MS-L723529)		Source: 88038			Prepared: 12/19/2023 Analyzed: 01/09/2024					
Arsenic	3.73	0.25	mg/Kg dry	2.38	1.78	82	75-125			
LCS (LCS-L723529)		Prepared: 12/19/2023 Analyzed: 01/06/2024								
Arsenic	2.19	0.25	mg/Kg	2.5		88	80-120			
LRB (LRB-L723529)		Prepared: 12/19/2023 Analyzed: 01/06/2024								
Arsenic	0.0879	0.25	mg/Kg				-			J

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 - Gutterson State CC 20-03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L723528 - 3050B										
MSD (L 86855-MSD-L723528)			Source: Y312319-06			Prepared: 12/19/2023 Analyzed: 01/10/2024				
Arsenic	2.99	0.25	mg/Kg	2.43	0.665	96	75-125	11.9	80	
MS (L 86855-MS-L723528)			Source: Y312319-06			Prepared: 12/19/2023 Analyzed: 01/10/2024				
Arsenic	3.37	0.25	mg/Kg	2.47	0.665	109	75-125			
LCS (LCS-L723528)						Prepared: 12/19/2023 Analyzed: 01/10/2024				
Arsenic	2.56	0.25	mg/Kg	2.5		102	80-120			
LRB (LRB-L723528)						Prepared: 12/19/2023 Analyzed: 01/10/2024				
Arsenic	ND	0.25	mg/Kg							

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Notes and Definitions

J Estimated Value. Analyte below reported quantitation limit.

B Analyte detected in associated method blank.

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.

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