



FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Initial Soil Analytical Map

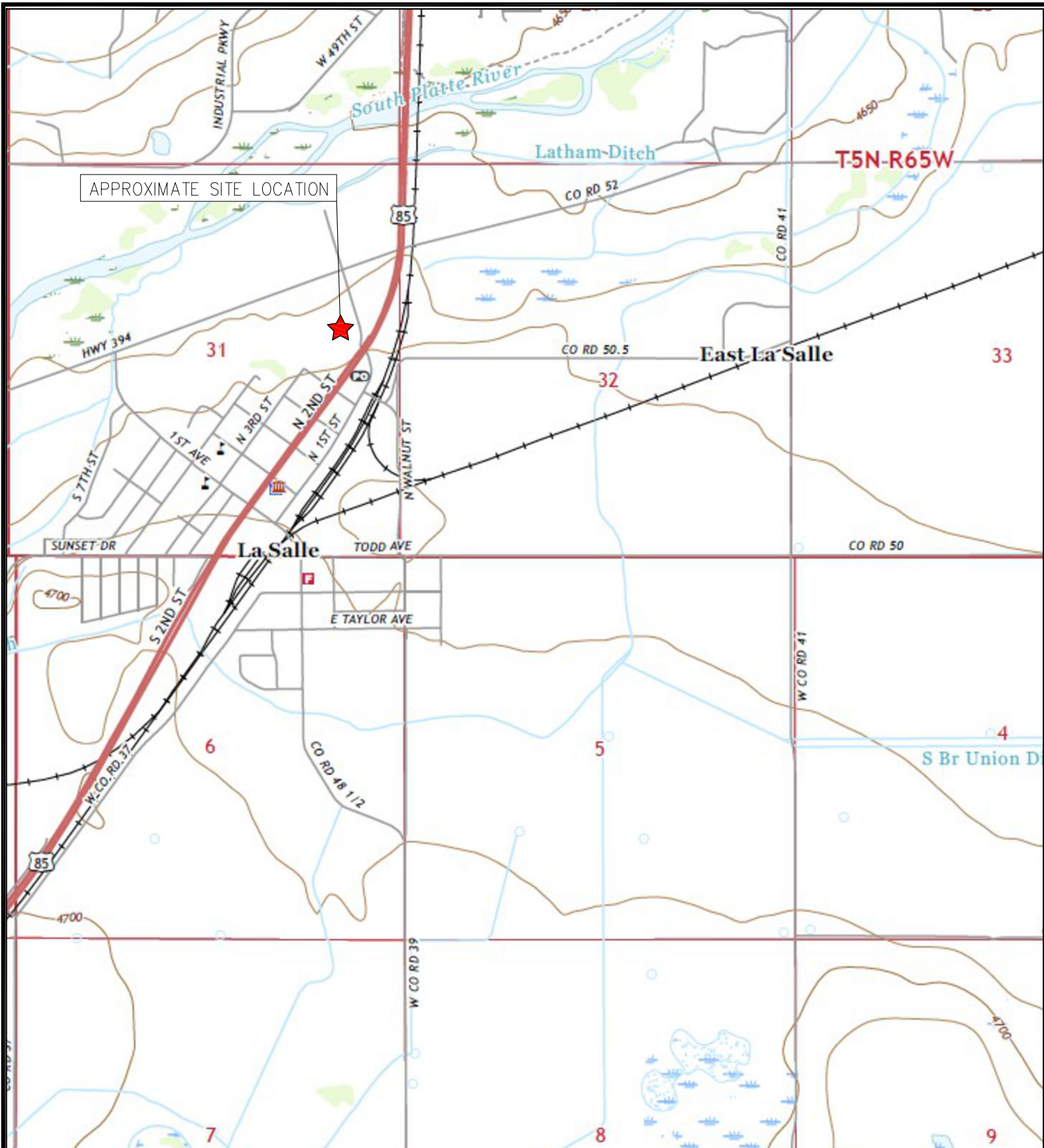
Figure 4: Initial Polycyclic Aromatic Hydrocarbons Map

Figure 5: Soil Boring Soil Analytical Map

Figure 6: Soil Boring Polycyclic Aromatic Hydrocarbons Map

Figure 7: Soil Boring Metals in Soil Map

Figure 8: Groundwater Analytical Map



APPROXIMATE SITE LOCATION

TOPOGRAPHIC SITE LOCATION MAP
 HAYES FEDERAL #31-8H5
 CLOSURE ASSESSMENT
 40.357388 / -104.699701
 SE¼ NE¼ SEC.31 T5N R65W 6PM
 WELD COUNTY, COLORADO
 SPILL ID 480186
 REMEDIATION # 19598



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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

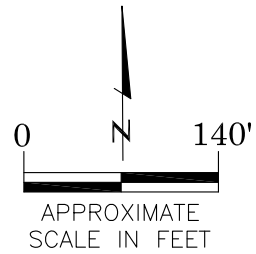
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP,
 LA SALLE, CO QUADRANGLE 2022

FIGURE 1



LEGEND

 FORMER HAYES FEDERAL #31-8H5 TANK BATTERY



AERIAL SITE LOCATION MAP
 HAYES FEDERAL #31-8H5
 SITE ASSESSMENT
 40.357388 / -104.699701
 SE¼ NE¼ SEC.31 T5N R65W 6PM
 WELD COUNTY, COLORADO
 SPILL ID 480186
 REMEDIATION # 19598

DRAWN BY:

AMN

FIGURE NO.

2



EAGLE
 ENVIRONMENTAL
 CONSULTING, INC.

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



SS-01@0.5'
06/14/21
0.5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <50.0
R = <200
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

SS-02@0.5'
06/14/21
0.5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <50.0
R = <200
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

SS-04@0.5'
06/14/21
0.5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <50.0
R = <200
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

SS-03@0.5'
06/14/21
0.5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <50.0
R = <200
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

SS-05@0.5'
06/14/21
0.5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <50.0
R = <200
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

LEGEND

- APPROXIMATE SCRAPE/ASSESSMENT BOUNDARIES
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

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

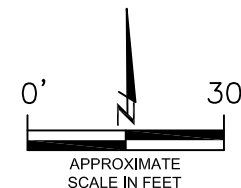
mg/kg = MILLIGRAMS PER KILOGRAM

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

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

VALUES PRESENTED IN **BOLD** VALUES CONTAIN CONCENTRATIONS EXCEEDING ECMC TABLE 915-1 REGULATORY LIMITS.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION



SOIL ANALYTICAL MAP
 HAYES FEDERAL #31-8H5
 SITE ASSESSMENT
 40.357388 / -104.699701
 SE¼ NE¼ SEC.31 T5N R65W 6PM
 WELD COUNTY, COLORADO
 SPILL ID 480186
 REMEDIATION # 19598

DRAWN BY:
 AMN
 FIGURE NO.
 3

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



SS-01@0.5'
06/14/21
0.5'

1-Methylnaphthalene = <0.00067
2-Methylnaphthalene = <0.00067
Acenaphthene = <0.00067
Anthracene = <0.00067
Benzo(a)anthracene = 0.00338
Benzo(a)pyrene = 0.00518
Benzo(b)fluoranthene = 0.00568
Benzo(k)fluoranthene = 0.00223
Chrysene = 0.00405
Dibenzo(a,h)anthracene = 0.00086
Fluoranthene = 0.00255
Fluorene = <0.00067
Indeno(1,2,3-CD)pyrene = 0.00329
Naphthalene = <0.00067
Pyrene = 0.00429

SS-02@0.5'
06/14/21
0.5'

1-Methylnaphthalene = **<0.0067***
2-Methylnaphthalene = <0.0067
Acenaphthene = <0.0067
Anthracene = <0.0067
Benzo(a)anthracene = **0.0606***
Benzo(a)pyrene = 0.0968
Benzo(b)fluoranthene = 0.111
Benzo(k)fluoranthene = 0.0382
Chrysene = 0.0679
Dibenzo(a,h)anthracene = 0.0149
Fluoranthene = 0.0496
Fluorene = <0.0067
Indeno(1,2,3-CD)pyrene = 0.0561
Naphthalene = **<0.0067***
Pyrene = 0.0706

SS-05@0.5'
06/14/21
0.5'

1-Methylnaphthalene = <0.00067
2-Methylnaphthalene = <0.00067
Acenaphthene = <0.00067
Anthracene = <0.00067
Benzo(a)anthracene = 0.00243
Benzo(a)pyrene = 0.00411
Benzo(b)fluoranthene = 0.00493
Benzo(k)fluoranthene = 0.00203
Chrysene = 0.00324
Dibenzo(a,h)anthracene = 0.000701
Fluoranthene = 0.00391
Fluorene = <0.00067
Indeno(1,2,3-CD)pyrene = 0.00269
Naphthalene = <0.00067
Pyrene = 0.00414

SS-04@0.5'
06/14/21
0.5'

1-Methylnaphthalene = <0.00067
2-Methylnaphthalene = <0.00067
Acenaphthene = <0.00067
Anthracene = <0.00067
Benzo(a)anthracene = 0.00741
Benzo(a)pyrene = 0.012
Benzo(b)fluoranthene = 0.0127
Benzo(k)fluoranthene = 0.00456
Chrysene = 0.00871
Dibenzo(a,h)anthracene = 0.00184
Fluoranthene = 0.0056
Fluorene = <0.00067
Indeno(1,2,3-CD)pyrene = 0.00741
Naphthalene = 0.000627
Pyrene = 0.00851

SS-03@0.5'
06/14/21
0.5'

1-Methylnaphthalene = 0.000518
2-Methylnaphthalene = 0.000699
Acenaphthene = 0.00362
Anthracene = 0.0018
Benzo(a)anthracene = **0.0884***
Benzo(a)pyrene = **0.14**
Benzo(b)fluoranthene = 0.154
Benzo(k)fluoranthene = 0.0497
Chrysene = 0.0958
Dibenzo(a,h)anthracene = 0.0246
Fluoranthene = 0.037
Fluorene = 0.00429
Indeno(1,2,3-CD)pyrene = 0.0966
Naphthalene = 0.00102
Pyrene = 0.0738

LEGEND

- APPROXIMATE SCRAPE/ASSESSMENT BOUNDARIES
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH

POLYCYCLIC AROMATIC HYDROCARBONS (PAHS)

NOTE:
CONCENTRATIONS PRESENTED IN mg/kg

mg/kg = MILLIGRAMS PER KILOGRAM

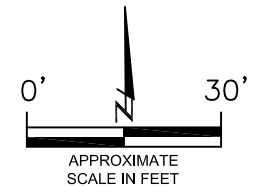
MDL = MINIMUM DETECTION LIMIT

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

VALUES PRESENTED IN **BOLD** TYPEFACE EXCEED ECMC TABLE 915-1 REGULATORY LIMITS FOR THAT COMPOUND.

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

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION



POLYCYCLIC AROMATIC HYDROCARBONS MAP
HAYES FEDERAL #31-8H5
SITE ASSESSMENT
40.357388 / -104.699701
SE¼ NE¼ SEC.31 T5N R65W 6PM
WELD COUNTY, COLORADO
SPILL ID 480186
REMIEDIATION # 19598

DRAWN BY:

AMN

FIGURE NO.

4



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



LEGEND

- APPROXIMATE SCRAPE/ASSESSMENT BOUNDARIES
- APPROXIMATE SOIL BORING LOCATIONS

PARAMETERS

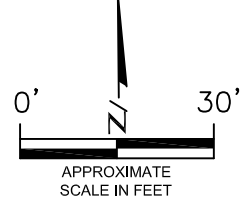
SAMPLE LOCATION
DATE
DEPTH (FEET)
 B = BENZENE (mg/kg)
 T = TOLUENE (mg/kg)
 E = ETHYLBENZENE (mg/kg)
 X = TOTAL XYLENES (mg/kg)
 G = TPH-GRO (mg/kg)
 D = TPH-DRO (mg/kg)
 R = TPH-RRO (mg/kg)
 1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)
 1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)
 Brn= BORON (mg/L)
 EC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

mg/kg = MILLIGRAMS PER KILOGRAM
 mg/L = MILLIGRAMS PER LITER
 NA - NOT ANALYZED
 TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
 TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS
 TPH-RRO = TOTAL PETROLEUM HYDROCARBONS - RESIDUAL RANGE ORGANICS

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

VALUES PRESENTED IN **BOLD** VALUES CONTAIN CONCENTRATIONS EXCEEDING ECMC TABLE 915-1 REGULATORY LIMITS.

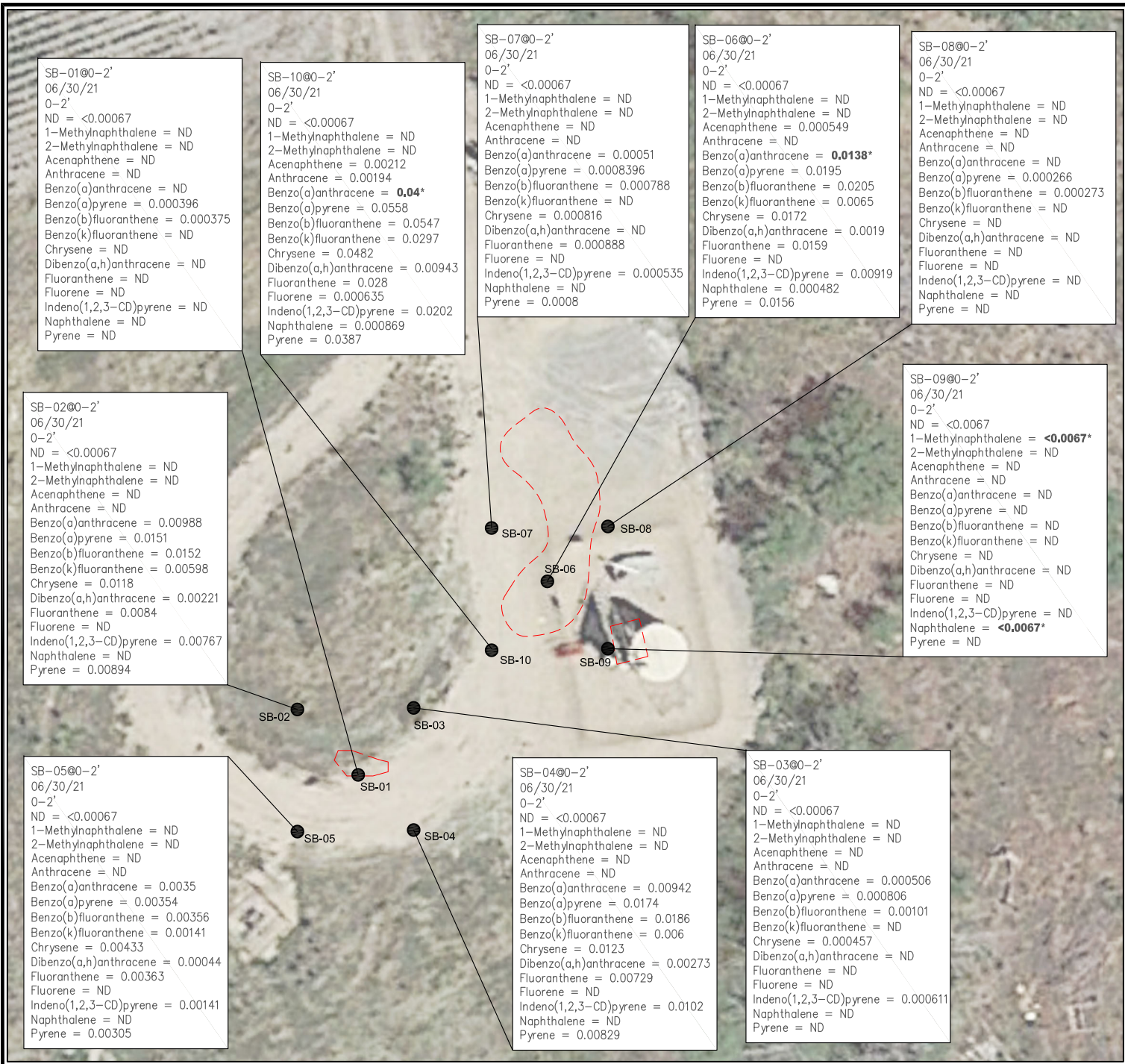
ECMC = ENERGY & CARBON MANAGEMENT COMMISSION



SOIL BORING SOIL ANALYTICAL MAP
 HAYES FEDERAL #31-8H5
 SITE ASSESSMENT
 40.357388 / -104.699701
 SE ¼ NE ¼ SEC.31 T5N R65W 6PM
 WELD COUNTY, COLORADO
 SPILL ID 480186
 REMEDIATION # 19598

DRAWN BY:
 AMN
FIGURE NO.
 5

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



SB-01@0-2'
06/30/21
0-2'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = 0.000396
Benzo(b)fluoranthene = 0.000375
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

SB-10@0-2'
06/30/21
0-2'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = 0.00212
Anthracene = 0.00194
Benzo(a)anthracene = **0.04***
Benzo(a)pyrene = 0.0558
Benzo(b)fluoranthene = 0.0547
Benzo(k)fluoranthene = 0.0297
Chrysene = 0.0482
Dibenzo(a,h)anthracene = 0.00943
Fluoranthene = 0.028
Fluorene = 0.000635
Indeno(1,2,3-CD)pyrene = 0.0202
Naphthalene = 0.000869
Pyrene = 0.0387

SB-07@0-2'
06/30/21
0-2'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = 0.00051
Benzo(a)pyrene = 0.0008396
Benzo(b)fluoranthene = 0.000788
Benzo(k)fluoranthene = ND
Chrysene = 0.000816
Dibenzo(a,h)anthracene = ND
Fluoranthene = 0.000888
Fluorene = ND
Indeno(1,2,3-CD)pyrene = 0.000535
Naphthalene = ND
Pyrene = 0.0008

SB-06@0-2'
06/30/21
0-2'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = 0.000549
Anthracene = ND
Benzo(a)anthracene = **0.0138***
Benzo(a)pyrene = 0.0195
Benzo(b)fluoranthene = 0.0205
Benzo(k)fluoranthene = 0.0065
Chrysene = 0.0172
Dibenzo(a,h)anthracene = 0.0019
Fluoranthene = 0.0159
Fluorene = ND
Indeno(1,2,3-CD)pyrene = 0.00919
Naphthalene = 0.000482
Pyrene = 0.0156

SB-08@0-2'
06/30/21
0-2'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = 0.000266
Benzo(b)fluoranthene = 0.000273
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

SB-02@0-2'
06/30/21
0-2'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = 0.00988
Benzo(a)pyrene = 0.0151
Benzo(b)fluoranthene = 0.0152
Benzo(k)fluoranthene = 0.00598
Chrysene = 0.0118
Dibenzo(a,h)anthracene = 0.00221
Fluoranthene = 0.0084
Fluorene = ND
Indeno(1,2,3-CD)pyrene = 0.00767
Naphthalene = ND
Pyrene = 0.00894

SB-09@0-2'
06/30/21
0-2'
ND = <0.0067
1-Methylnaphthalene = **<0.0067***
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = **<0.0067***
Pyrene = ND

SB-05@0-2'
06/30/21
0-2'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = 0.0035
Benzo(a)pyrene = 0.00354
Benzo(b)fluoranthene = 0.00356
Benzo(k)fluoranthene = 0.00141
Chrysene = 0.00433
Dibenzo(a,h)anthracene = 0.00044
Fluoranthene = 0.00363
Fluorene = ND
Indeno(1,2,3-CD)pyrene = 0.00141
Naphthalene = ND
Pyrene = 0.00305

SB-04@0-2'
06/30/21
0-2'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = 0.00942
Benzo(a)pyrene = 0.0174
Benzo(b)fluoranthene = 0.0186
Benzo(k)fluoranthene = 0.006
Chrysene = 0.0123
Dibenzo(a,h)anthracene = 0.00273
Fluoranthene = 0.00729
Fluorene = ND
Indeno(1,2,3-CD)pyrene = 0.0102
Naphthalene = ND
Pyrene = 0.00829

SB-03@0-2'
06/30/21
0-2'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = 0.000506
Benzo(a)pyrene = 0.000806
Benzo(b)fluoranthene = 0.00101
Benzo(k)fluoranthene = ND
Chrysene = 0.000457
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = 0.000611
Naphthalene = ND
Pyrene = ND

LEGEND

- APPROXIMATE SCRAPE/ASSESSMENT BOUNDARIES
- APPROXIMATE SOIL BORING LOCATIONS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

NOTE:
CONCENTRATIONS PRESENTED IN mg/kg

mg/kg = MILLIGRAMS PER KILOGRAM

MDL = MINIMUM DETECTION LIMIT

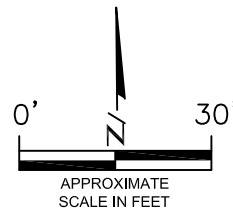
ND = NON-DETECT

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

VALUES PRESENTED IN **BOLD** TYPEFACE EXCEED ECMC TABLE 915-1 REGULATORY LIMITS FOR THAT COMPOUND.

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

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION



SOIL BORING PAH MAP
HAYES FEDERAL #31-8H5
SITE ASSESSMENT
40.357388 / -104.699701
SE ¼ NE ¼ SEC. 31 T5N R65W 6PM
WELD COUNTY, COLORADO
SPILL ID 480186
REMIEDIATION # 19598

DRAWN BY:
AMN

FIGURE NO.

6



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



BACKGROUND-01@0-2'
 06/30/21
 0-2'

Arsenic = 0.818***
 Barium = NA
 Cadmium = NA
 Chromium (VI) = <1**
 Copper = NA
 Lead = NA
 Nickel = NA
 Selenium = NA
 Silver = NA
 Zinc = NA

BACKGROUND-01

SB-05@0-2'
 06/30/21
 0-2'

Arsenic = 0.783***
 Barium = 44.4
 Cadmium = 0.102
 Chromium (VI) = <1.02**
 Copper = 5.09
 Lead = 6.38
 Nickel = 3.86
 Selenium = 0.162
 Silver = 0.027
 Zinc = 23.3

LEGEND

- APPROXIMATE SCRAPE/ASSESSMENT BOUNDARIES
- APPROXIMATE SOIL BORING LOCATIONS

PARAMETERS

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

mg/kg = MILLIGRAMS PER KILOGRAM

NA = NOT ANALYZED

NOTE:

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

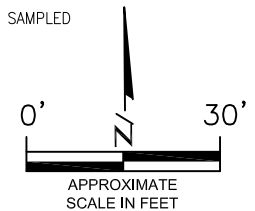
VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 "PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS" FOR THAT COMPOUND

**ACHIEVABLE PRACTICAL QUANTITATIVE LIMITS FOR HEXAVALENT CHROMIUM (Cr VI) IN SOILS IS IN THE RANGE OF 0.1 TO 1 mg/kg. (1) SAMPLE REQUIRED DILUTION, RAISING LABORATORY REPORTING AND DETECTION LIMITS - SAMPLE NON-DETECT.

***ARSENIC IS NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVEL (1.02 mg/kg) BASED ON BACKGROUND*1.25.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

(NS) - NOT SAMPLED



METALS IN SOIL MAP
 HAYES FEDERAL #31-8H5
 SITE ASSESSMENT
 40.357388 / -104.699701
 SE¼ NE¼ SEC.31 T5N R65W 6PM
 WELD COUNTY, COLORADO
 SPILL ID 480186
 REMEDIATION # 19598

DRAWN BY:
 AMN

FIGURE NO.

7

EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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



SB-06
 07/06/21
 B = <1.00
 T = <1.00
 E = <1.00
 X = <1.00
 N = <4.00
 1,2,4-TMB = <1.00
 1,3,5-TMB = <1.00

SB-01
 07/06/21
 B = <1.00
 T = <1.00
 E = <1.00
 X = <1.00
 N = <4.00
 1,2,4-TMB = <1.00
 1,3,5-TMB = <1.00

LEGEND

- - - APPROXIMATE SCRAPE/ASSESSMENT BOUNDARIES
- APPROXIMATE TEMPORARY WELL LOCATIONS

PARAMETERS

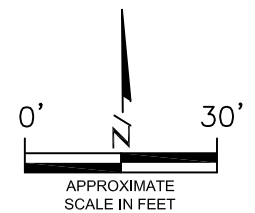
GROUNDWATER SAMPLE LOCATION
 DATE
 B = BENZENE (µg/L)
 T = TOLUENE (µg/L)
 E = ETHYLBENZENE (µg/L)
 X = TOTAL XYLENES (µg/L)
 N = NAPHTHALENE (µg/L)
 1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE (µg/L)
 1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE (µg/L)

µg/L = MILLIGRAMS PER LITER

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

VALUES PRESENTED IN **BOLD** EXCEEDED THE ECMC TABLE 915-1 REGULATORY LIMITS FOR THAT COMPOUND.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION



GROUNDWATER ANALYTICAL MAP
 HAYES FEDERAL #31-8H5
 SITE ASSESSMENT
 40.357388 / -104.699701
 SE¼ NE¼ SEC.31 T5N R65W 6PM
 WELD COUNTY, COLORADO
 SPILL ID 480186
 REMEDIATION # 19598

DRAWN BY:
 AMN

FIGURE NO.
 8

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



TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

Table 3: Polycyclic Aromatic Hydrocarbons Summary

Table 4: Metals Analytical Results Summary

Table 5: Groundwater Analytical Results Summary

**TABLE 1
 PHOTOIONIZATION DETECTOR READING SUMMARY
 HAYES FEDERAL #31-8H5
 SITE ASSESSMENT
 40.357388 / -104.699701
 SE¼ NE¼ SEC.31 T5N R65W 6PM
 WELD COUNTY, COLORADO
 SPILL ID 480186
 REMEDIATION # 19598**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
SS-01 @ 0.5' (40.357467 / -104.699690)	06/14/21	0.5	7.1	Y
SS-02 @ 0.5' (40.357400 / -104.699692)	06/14/21	0.5	8.0	Y
SS-03 @ 0.5' (40.357297 / -104.699834)	06/14/21	0.5	4.7	Y
SS-04 @ 0.5' (40.357280 / -104.699955)	06/14/21	0.5	4.2	Y
SS-05 @ 0.5' (40.357366 / -104.699632)	06/14/21	0.5	3.8	Y
SB-01 @ 0-2' (40.357296 / -104.699834)	06/30/21	0-2	4.4	Y
SB-02 @ 0-2' (40.357331 / -104.699874)	06/30/21	0-2	2.9	Y
SB-03 @ 0-2' (40.357330 / -104.699788)	06/30/21	0-2	2.0	Y
SB-04 @ 0-2' (40.357263 / -104.699787)	06/30/21	0-2	0.9	Y
SB-05 @ 0-2' (40.357259 / -104.699877)	06/30/21	0-2	6.1	Y
SB-06 @ 0-2' (40.357401 / -104.699692)	06/30/21	0-2	1.4	Y
SB-07 @ 0-2' (40.357429 / -104.699740)	06/30/21	0-2	1.8	Y
SB-08 @ 0-2' (40.357433 / -104.699647)	06/30/21	0-2	2.9	Y
SB-09 @ 0-2' (40.357362 / -104.699646)	06/30/21	0-2	5.6	Y
SB-10 @ 0-2' (40.357364 / -104.699734)	06/30/21	0-2	3.7	Y
Background-01 @ 2' (40.357452 / -104.700023)	06/30/21	2	3.5	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID - photoionization detector				

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
HAYES FEDERAL #31-8H5
SITE ASSESSMENT
40.357388 / -104.699701
SE¼ NE¼ SEC.31 T5N R65W 6PM
WELD COUNTY, COLORADO
SPILL ID 480186
REMEDIAION # 19598

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-RRO (mg/kg)	1,2,4- Trimethylbenzene (mg/kg)	1,3,5- Trimethylbenzene (mg/kg)	Boron (mg/L)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR	
ECMC Table 915-1 Residential Screening Levels				1.2	490	5.8	58	500			30	27	2	<4	6-8.3	<6	
ECMC Table 915-1 Protection of Groundwater Soil Screening Levels				0.0026	0.69	0.78	9.9	--			0.0081	0.0087	--	--	--	--	--
SS-01 @ 0.5' (40.357467 / -104.699690)	06/14/21	1	7.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	NA	NA	NA	NA	
SS-02 @ 0.5' (40.357400 / -104.699692)	06/14/21	1	8.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	NA	NA	NA	NA	
SS-03 @ 0.5' (40.357297 / -104.699834)	06/14/21	1	4.7	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	NA	NA	NA	NA	
SS-04 @ 0.5' (40.357280 / -104.699955)	06/14/21	1	4.2	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	NA	NA	NA	NA	
SS-05 @ 0.5' (40.357366 / -104.699632)	06/14/21	1	3.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	NA	NA	NA	NA	
SB-01 @ 0-2' (40.357296 / -104.699834)	06/30/21	0-2	4.4	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	0.279	0.552	8.13	3.36	
SB-02 @ 0-2' (40.357331 / -104.699874)	06/30/21	0-2	2.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	1.77	1.37	8.14	10.6	
SB-03 @ 0-2' (40.357330 / -104.699788)	06/30/21	0-2	2.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	0.419	0.468	8.02	3.35	
SB-04 @ 0-2' (40.357263 / -104.699787)	06/30/21	0-2	0.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	1.87	1.69	8.22	8.01	
SB-05 @ 0-2' (40.357259 / -104.699877)	06/30/21	0-2	6.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	0.723	1.32	8.23	4.94	
SB-06 @ 0-2' (40.357401 / -104.699692)	06/30/21	0-2	1.4	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	0.359	1.20	7.93	3.03	
SB-07 @ 0-2' (40.357429 / -104.699740)	06/30/21	0-2	1.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	1.73	1.16	8.17	6.32	
SB-08 @ 0-2' (40.357433 / -104.699647)	06/30/21	0-2	2.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	1.69	1.08	7.97	3.07	
SB-09 @ 0-2' (40.357362 / -104.699646)	06/30/21	0-2	5.6	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	1.12	0.913	7.92	2.62	
SB-10 @ 0-2' (40.357364 / -104.699734)	06/30/21	0-2	3.7	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<50.0	<200	<0.00200	<0.00200	0.884	1.14	8.18	7.71	
Background-01 @ 2' (40.357452 / -104.700023)	06/30/21	2	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.359	

ECMC = Energy & Carbon Management Commission
 mg/kg = milligrams per kilogram TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics NA = Not Analyzed
 mmhos/cm = millimhos per centimeter TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics
 SAR = Sodium Adsorption Ratio TPH-RRO = Total Petroleum Hydrocarbons - Residual Range Organics
 ppm-v = parts per million by volume
 PID - photoionization detector

Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit or minimum detection levels.
 Values presented in **BOLD** contained concentrations exceeding applicable ECMC Table 915-1 Regulatory Limits.

TABLE 3
PAHS ANALYTICAL RESULTS SUMMARY
HAYES FEDERAL #31-8H5
SITE ASSESSMENT
40.357388 / -104.699701
SE ¼ NE ¼ SEC. 31 T5N R65W 6PM
WELD COUNTY, COLORADO
SPILL ID 480186
REMEDATION # 19598

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	1-Methyl- naphthalene (mg/kg)	2-Methyl- naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)- pyrene (mg/kg)	Benzo(b)- fluoranthene (mg/kg)	Benzo(k)- fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)- anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3- cd)-pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
ECMC Table 915-1 Residential Screening Levels				18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
ECMC Table 915-1 Protection of Groundwater Soil Screening Levels				0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	0.0038	1.3
SS-01 @ 0.5' (40.357467 / -104.699690)	06/14/21	0.5	7.1	<0.00067	<0.00067	<0.00067	<0.00067	0.00338	0.00518	0.00568	0.00223	0.00405	0.00086	0.00255	<0.00067	0.00329	<0.00067	0.00429
SS-02 @ 0.5' (40.357400 / -104.699692)	06/14/21	0.5	8.0	<0.0067*	<0.0067	<0.0067	<0.0067	0.0606*	0.0968	0.111	0.0382	0.0679	0.0149	0.0496	<0.0067	0.0561	<0.0067*	0.0706
SS-03 @ 0.5' (40.357297 / -104.699834)	06/14/21	0.5	4.7	0.000518	0.000699	0.00362	0.0018	0.0884*	0.14	0.154	0.0497	0.0958	0.0246	0.037	0.00429	0.0966	0.00102	0.0738
SS-04 @ 0.5' (40.357280 / -104.699555)	06/14/21	0.5	4.2	<0.00067	<0.00067	<0.00067	<0.00067	0.00741	0.012	0.0127	0.00456	0.00871	0.00184	0.0056	<0.00067	0.00741	0.000627	0.00851
SS-05 @ 0.5' (40.357366 / -104.699632)	06/14/21	0.5	3.8	<0.00067	<0.00067	<0.00067	<0.00067	0.00243	0.00411	0.00493	0.00203	0.00324	0.000701	0.00391	<0.00067	0.00269	<0.00067	0.00414
SB-01 @ 0.2' (40.357296 / -104.699834)	06/30/21	0.2	4.4	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000396	0.000375	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SB-02 @ 0.2' (40.357331 / -104.699874)	06/30/21	0.2	2.9	<0.00067	<0.00067	<0.00067	<0.00067	0.00988	0.0151	0.0152	0.00598	0.0118	0.00221	0.0084	<0.00067	0.00767	<0.00067	0.00894
SB-03 @ 0.2' (40.357330 / -104.699788)	06/30/21	0.2	2.0	<0.00067	<0.00067	<0.00067	<0.00067	0.000506	0.000806	0.00101	<0.00067	0.000457	<0.00067	<0.00067	<0.00067	0.000611	<0.00067	<0.00067
SB-04 @ 0.2' (40.357263 / -104.699787)	06/30/21	0.2	0.9	<0.00067	<0.00067	<0.00067	<0.00067	0.00942	0.0174	0.0186	0.006	0.0123	0.00273	0.00729	<0.00067	0.0102	<0.00067	0.00829
SB-05 @ 0.2' (40.357259 / -104.699877)	06/30/21	0.2	6.1	<0.00067	<0.00067	<0.00067	<0.00067	0.0035	0.00354	0.00356	0.00141	0.00433	0.00044	0.00363	<0.00067	0.00141	<0.00067	0.00305
SB-06 @ 0.2' (40.357401 / -104.699692)	06/30/21	0.2	1.4	<0.00067	<0.00067	0.000549	<0.00067	0.0138*	0.0195	0.0205	0.0065	0.0172	0.0019	0.0159	<0.00067	0.00919	0.000482	0.0156
SB-07 @ 0.2' (40.357429 / -104.699740)	06/30/21	0.2	1.8	<0.00067	<0.00067	<0.00067	<0.00067	0.00051	0.000839	0.000788	<0.00067	0.000816	<0.00067	0.000888	<0.00067	0.000535	<0.00067	0.0008
SB-08 @ 0.2' (40.357433 / -104.699647)	06/30/21	0.2	2.9	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000266	0.000273	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SB-09 @ 0.2' (40.357362 / -104.699646)	06/30/21	0.2	5.6	<0.0067*	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067*	<0.0067
SB-10 @ 0.2' (40.357364 / -104.699734)	06/30/21	0.2	3.7	<0.00067	<0.00067	0.00212	0.00194	0.04*	0.0558	0.0547	0.0297	0.0482	0.00943	0.028	0.000635	0.0202	0.000869	0.0387
ECMC = Energy & Carbon Management Commission mg/kg = milligrams per kilogram ppm-v = parts per million by volume PID = photoionization detector Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit or minimum detection levels. Values presented in BOLD contained concentrations exceeding applicable ECMC Table 915-1 Regulatory Limits. Values presented in BOLD+ asterisk (*) contained concentrations exceeding ECMC Table 915-1 Protection of Groundwater Soil Screening Levels																		

TABLE 4
 METALS ANALYTICAL RESULTS SUMMARY
 HAYES FEDERAL #31-8H5
 SITE ASSESSMENT
 40.357388 / -104.699701
 SE¼ NE¼ SEC.31 T9N R65W 6PM
 WELD COUNTY, COLORADO
 SPILL ID 480186
 REMEDIATION # 19598

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Residential Screening Levels			0.68***	15,000	71	0.3**	3,100	400	1,500	390	390	23,000
ECMC Table 915-1 Protection of Groundwater Soil Screening Levels			0.29***	82	0.38	0.00067**	46	14	26	0.26	0.8	370
Local Cleanup Levels			1.02***	--	--	0.1 to 1**	--	--	--	--	--	--
SB-05 @ 0-2' (40.357259 / -104.699877)	06/30/21	0-2	0.783***	44.4	0.102	<1.02**(1)	5.09	6.38	3.86	0.162	0.027	23.3
Background-01 @ 2' (40.357452 / -104.700023)	06/30/21	2	0.818***	NA	NA	<1**(1)	NA	NA	NA	NA	NA	NA
ECMC = Energy & Carbon Management Commission			NA = Not Analyzed									
mg/kg = milligrams per kilogram												
Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit or minimum detection levels.												
Values presented in BOLD contained concentrations exceeding applicable ECMC Table 915-1 Regulatory Limits.												
**Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1 mg/kg. (1) Sample required dilution, raising laboratory reporting and detection limits - Sample non-detect.												
***Arsenic is naturally occurring in Colorado. Local Clean-up Level (1.02 mg/kg) based on Background*1.25.												

TABLE 5
GROUNDWATER ANALYTICAL RESULTS SUMMARY
HAYES FEDERAL #31-8H5
SITE ASSESSMENT
40.357388 / -104.699701
SE¼ NE¼ SEC.31 T5N R65W 6PM
WELD COUNTY, COLORADO
SPILL ID 480186
REMEDIATION # 19598

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethylbenzene (µg/L)	1,3,5 - Trimethylbenzene (µg/L)
ECMC Table 915-1 Regulatory Limits (µg/L)		5	560	700	1400	140	67	67
SB-01 (40.357296 / -104.699834)	07/06/21	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00
SB-06 (40.357401 / -104.699692)	07/06/21	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00
ECMC = Energy & Carbon Management Commission µg/L - micrograms per liter Note: Values presented with a less than symbol (<) indicate concentrations were not observed at or above the laboratory reporting limit. Values presented in bold typeface exceed their respective ECMC - Regulatory Limits (Table 915-1).								





ATTACHMENT A

Photo Log

Hayes Federal #31-8H5
Spill ID 480186
Remediation # 19598

Site Assessment

June 2021



Site Assessment – 06/14/21



Intermittent black staining observed during reclamation activities
Staining exposed during scraping of former battery road base
No petroleum hydrocarbons suspected
Black staining/organic odor observed
PID readings ranged from 3.8 ppm-v to 8.0 ppm-v

Site Assessment – 06/14/21



Intermittent black staining observed during reclamation activities
Staining exposed during scraping of former battery road base
No petroleum hydrocarbons suspected
Black staining/organic odor observed
PID readings ranged from 3.8 ppm-v to 8.0 ppm-v



ATTACHMENT B

Soil Boring Log Diagrams

Boring Log/Well Completion Diagram: SB-01

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	(0-3') sandy CLAY - brown to black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to course grained sand, organic odor wet @ ~2'	CL	DP	1	70	4.4	N/A		
3	(3-10') gravelly SAND - brown, wet, loose, fine to course grained, well-graded w/ ~20% small gravel					7.3			
5		SW	DP	2	70	1.8	N/A		
10						2.6			
10	BoB @ 10'								
15									
20									
25									
30									

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: 06/30/21	SAND PACK INTERVAL (FEET): 0.5-10
PROJECT: HAYES FEDERAL #31-8H5	BENTONITE/GROUT INTERVAL (FEET): 0-0.5
LOGGED BY: K. PETERSON	WELL SCREEN INTERVAL (FEET): 1-10
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): 1
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): 10
PID INSTRUMENT: MiniRAE 3000 - PID #7	
TIME STARTED/COMPLETED: 0931/0945	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/0935	




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

Boring Log/Well Completion Diagram: SB-02

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4.5') sandy CLAY - black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to course grained sand, organic odor wet @ ~2'	CL	DP	1	80	2.9	N/A	0		
	(4.5-5') gravelly SAND - brown, wet, loose, fine to course grained, well-graded w/ ~20% small gravel					4.5				
5	BoB @ 5'	SW						5		
10								10		
15								15		
20								20		
25								25		
30								30		

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: 06/30/21		SAND PACK INTERVAL (FEET): 2-5	
PROJECT: HAYES FEDERAL #31-8H5		BENTONITE/GROUT INTERVAL (FEET): 0-2	
LOGGED BY: K. PETERSON		WELL SCREEN INTERVAL (FEET): NA	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): NA	
BORING DEPTH (FEET): 5	WELL DEPTH (FEET): NA	 <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 #7			
TIME STARTED/COMPLETED: 0946/0950			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/0948			

Boring Log/Well Completion Diagram: SB-03

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	(0-2.5') sandy CLAY - black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to course grained sand, organic odor wet @ ~2'	CL	DP	1	80	2.0	N/A	0		
5	(2.5-5') gravelly SAND - brown, wet, loose, fine to course grained, well-graded w/ ~20% small gravel	SW				5.4				
5	BoB @ 5'									
10										
15										
20										
25										
30										

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: 06/30/21	SAND PACK INTERVAL (FEET): 2-5
PROJECT: HAYES FEDERAL #31-8H5	BENTONITE/GROUT INTERVAL (FEET): 0-2
LOGGED BY: K. PETERSON	WELL SCREEN INTERVAL (FEET): NA
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): NA
BORING DEPTH (FEET): 5	WELL DEPTH (FEET): NA
PID INSTRUMENT: MiniRAE 3000 - PID #7	
TIME STARTED/COMPLETED: 0951/0957	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/0955	



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

Boring Log/Well Completion Diagram: SB-04

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	(0-3') sandy CLAY - black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to course grained sand, organic odor wet @ ~2'	CL	DP	1	70	0.9	N/A	0		
3	(3-5') gravelly SAND - brown, wet, loose, fine to course grained, well-graded w/ ~20% small gravel	SW				1.1				
5	BoB @ 5'							5		
10								10		
15								15		
20								20		
25								25		
30								30		

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: 06/30/21	SAND PACK INTERVAL (FEET): 2-5
PROJECT: HAYES FEDERAL #31-8H5	BENTONITE/GROUT INTERVAL (FEET): 0-2
LOGGED BY: K. PETERSON	WELL SCREEN INTERVAL (FEET): NA
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): NA
BORING DEPTH (FEET): 5	WELL DEPTH (FEET): NA
PID INSTRUMENT: MiniRAE 3000 - PID #7	
TIME STARTED/COMPLETED: 0958/1004	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/1002	



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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

Boring Log/Well Completion Diagram: SB-05

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	(0-2.5') sandy CLAY - black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to coarse grained sand, organic odor wet @ ~2'	CL	DP	1	80	6.1	N/A			
5	(2.5-5') gravelly SAND - brown, wet, loose, fine to coarse grained, well-graded w/ ~20% small gravel	SW				6.4				
5	BoB @ 5'									
10										
15										
20										
25										
30										

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: 06/30/21	SAND PACK INTERVAL (FEET): 2-5
PROJECT: HAYES FEDERAL #31-8H5	BENTONITE/GROUT INTERVAL (FEET): 0-2
LOGGED BY: K. PETERSON	WELL SCREEN INTERVAL (FEET): NA
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): NA
BORING DEPTH (FEET): 5	WELL DEPTH (FEET): NA
PID INSTRUMENT: MiniRAE 3000 - PID #7	
TIME STARTED/COMPLETED: 0925/0930	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/0928	



Boring Log/Well Completion Diagram: SB-06

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	(0-2.5') sandy CLAY - black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to course grained sand, organic odor wet @ ~2'	CL	DP	1	80	1.4	N/A		
2.5	(2.5-10') gravelly SAND - brown, wet, loose, fine to course grained, well-graded w/ ~20% small gravel					0.0			
5		SW	DP	2	70	1.8	N/A		
10	BoB @ 10'					2.1			
15									
20									
25									
30									

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: 06/30/21	SAND PACK INTERVAL (FEET): 0.5-10
PROJECT: HAYES FEDERAL #31-8H5	BENTONITE/GROUT INTERVAL (FEET): 0-0.5
LOGGED BY: K. PETERSON	WELL SCREEN INTERVAL (FEET): 1-10
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): 1
BORING DEPTH (FEET): 10	WELL DEPTH (FEET): 10
PID INSTRUMENT: MiniRAE 3000 - PID #7	
TIME STARTED/COMPLETED: 1011/1020	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/1018	



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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

Boring Log/Well Completion Diagram: SB-07

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4.5') sandy CLAY - black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to coarse grained sand, organic odor wet @ ~2'	CL	DP	1	70	1.8	N/A	0		
	(4.5-5') gravelly SAND - brown, wet, loose, fine to coarse grained, well-graded w/ ~20% small gravel									
5	BoB @ 5'	SW						5		
10								10		
15								15		
20								20		
25								25		
30								30		

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: 06/30/21	SAND PACK INTERVAL (FEET): 2-5
PROJECT: HAYES FEDERAL #31-8H5	BENTONITE/GROUT INTERVAL (FEET): 0-2
LOGGED BY: K. PETERSON	WELL SCREEN INTERVAL (FEET): NA
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): NA
BORING DEPTH (FEET): 5	WELL DEPTH (FEET): NA
PID INSTRUMENT: MiniRAE 3000 - PID #7	
TIME STARTED/COMPLETED: 1021/1030	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/1028	



Boring Log/Well Completion Diagram: SB-08

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	(0-3') sandy CLAY - black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to course grained sand, organic odor wet @ ~2'	CL	DP	1	70	2.9	N/A	0		
3	(3-5') gravelly SAND - brown, wet, loose, fine to course grained, well-graded w/ ~20% small gravel	SW				3.7				
5	BoB @ 5'							5		
10								10		
15								15		
20								20		
25								25		
30								30		

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: 06/30/21	SAND PACK INTERVAL (FEET): 2-5
PROJECT: HAYES FEDERAL #31-8H5	BENTONITE/GROUT INTERVAL (FEET): 0-2
LOGGED BY: K. PETERSON	WELL SCREEN INTERVAL (FEET): NA
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): NA
BORING DEPTH (FEET): 5	WELL DEPTH (FEET): NA
PID INSTRUMENT: MiniRAE 3000 - PID #7	
TIME STARTED/COMPLETED: 1037/1045	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/1040	



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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

Boring Log/Well Completion Diagram: SB-09

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') sandy CLAY - black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to coarse grained sand, organic odor wet @ ~2'	CL	DP	1	70	5.6	N/A	0		
						4.2				
5	BoB @ 5'									
10										
15										
20										
25										
30										

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: 06/30/21		SAND PACK INTERVAL (FEET): 2-5	
PROJECT: HAYES FEDERAL #31-8H5		BENTONITE/GROUT INTERVAL (FEET): 0-2	
LOGGED BY: K. PETERSON		WELL SCREEN INTERVAL (FEET): NA	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): NA	
BORING DEPTH (FEET): 5	WELL DEPTH (FEET): NA		
PID INSTRUMENT: MiniRAE 3000 - PID #7			
TIME STARTED/COMPLETED: 1031/1036			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/1034			



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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

Boring Log/Well Completion Diagram: SB-10

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	(0-3') sandy CLAY - black, moist to wet, medium stiff, low plasticity, well-graded w/ ~30% fine to course grained sand, organic odor wet @ ~2'	CL	DP	1	80	3.7	N/A	0		
3	(3-5') gravelly SAND - brown, wet, loose, fine to course grained, well-graded w/ ~20% small gravel	SW				4.1				
5	BoB @ 5'							5		
10								10		
15								15		
20								20		
25								25		
30								30		

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: 06/30/21	SAND PACK INTERVAL (FEET): 2-5
PROJECT: HAYES FEDERAL #31-8H5	BENTONITE/GROUT INTERVAL (FEET): 0-2
LOGGED BY: K. PETERSON	WELL SCREEN INTERVAL (FEET): NA
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): NA
BORING DEPTH (FEET): 5	WELL DEPTH (FEET): NA
PID INSTRUMENT: MiniRAE 3000 - PID #7	
TIME STARTED/COMPLETED: 1005/1010	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2'/1008	



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



ATTACHMENT C

Laboratory Analytical Reports



June 18, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Hays Federal #31-8H5

Project Number - 815901675

Attached are your analytical results for Noble - Hays Federal #31-8H5 received by Origins Laboratory, Inc. June 14, 2021. This project is associated with Origins project number Y106306-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-01@0.5'	Y106306-01	Soil	June 14, 2021 14:25	06/14/2021 17:50
SS-02@0.5'	Y106306-02	Soil	June 14, 2021 14:36	06/14/2021 17:50
SS-03@0.5'	Y106306-03	Soil	June 14, 2021 14:40	06/14/2021 17:50
SS-04@0.5'	Y106306-04	Soil	June 14, 2021 15:38	06/14/2021 17:50
SS-05@0.5'	Y106306-05	Soil	June 14, 2021 15:45	06/14/2021 17:50

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y106306

Client: Eagle

Client Project ID: Hays Federal 31-8H5

Checklist Completed by: SG

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

Date/time completed: 6/14/21

Airbill #: N/A

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

Cooler Number/Temperature: 1, 2 °C / _____ °C / _____ °C / _____ °C (Describe)

Thermometer ID: T003

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

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

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 6/14/21

Origins Laboratory, Inc.

Jordan A. Merrill

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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-01@0.5'

6/14/2021 2:25:00PM

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

Origins Laboratory, Inc.
Y106306-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1F1406	TEM	06/14/2021	06/14/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl 76.9 % 50-150 " " "

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1F1418	TEM	06/14/2021	06/14/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Benzene	ND	0.00200	"	"	"	TEM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Toluene	ND	0.00200	"	"	"	TEM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	TEM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 99.6 % 70-130 " " "
 Surrogate: Toluene-d8 105 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 96.5 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L558897		06/16/2021	06/17/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-01@0.5'

6/14/2021 2:25:00PM

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

Waypoint Analytical, Inc.
 Y106306-01 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.00067	mg/Kg	1	L558897		06/16/2021	06/17/2021	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.00338	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.00518	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.00568	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	0.00223	0.00067	"	"	"		"	"	
Chrysene	0.00405	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.00086	0.00067	"	"	"		"	"	
Fluoranthene	0.00255	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.00329	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	0.00429	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl 61.2 % 33-115
 Surrogate: 4-Terphenyl-d14 72.4 % 33-122
 Surrogate: Nitrobenzene-d5 52.7 % 29-110

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-02@0.5'

6/14/2021 2:36:00PM

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

Origins Laboratory, Inc.
Y106306-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1F1406	TEM	06/14/2021	06/14/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	TEM	"	"	U

Surrogate: *o*-Terphenyl 76.3 % 50-150 " " "

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1F1418	TEM	06/14/2021	06/14/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Benzene	ND	0.00200	"	"	"	TEM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Toluene	ND	0.00200	"	"	"	TEM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	TEM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 100 % 70-130 " " "
 Surrogate: Toluene-d8 105 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 98.6 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0067	mg/Kg	10	L558897		06/16/2021	06/17/2021	
2-Methylnaphthalene	ND	0.0067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-02@0.5'

6/14/2021 2:36:00PM

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

Waypoint Analytical, Inc.
Y106306-02 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.0067	mg/Kg	10	L558897		06/16/2021	06/17/2021	
Anthracene	ND	0.0067	"	"	"		"	"	
Benzo(a)anthracene	0.0606	0.0067	"	"	"		"	"	
Benzo(a)pyrene	0.0968	0.0067	"	"	"		"	"	
Benzo(b)fluoranthene	0.111	0.0067	"	"	"		"	"	
Benzo(k)fluoranthene	0.0382	0.0067	"	"	"		"	"	
Chrysene	0.0679	0.0067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.0149	0.0067	"	"	"		"	"	
Fluoranthene	0.0496	0.0067	"	"	"		"	"	
Fluorene	ND	0.0067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.0561	0.0067	"	"	"		"	"	
Naphthalene	ND	0.0067	"	"	"		"	"	
Pyrene	0.0706	0.0067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	53.5 %	33-115			"	"	"	"	
Surrogate: 4-Terphenyl-d14	62.6 %	33-122			"	"	"	"	
Surrogate: Nitrobenzene-d5	41.6 %	29-110			"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-03@0.5'

6/14/2021 2:40:00PM

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

Origins Laboratory, Inc.
Y106306-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1F1406	TEM	06/14/2021	06/14/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl 91.1 % 50-150 " " "

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1F1418	TEM	06/14/2021	06/14/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Benzene	ND	0.00200	"	"	"	TEM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Toluene	ND	0.00200	"	"	"	TEM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	TEM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "
 Surrogate: Toluene-d8 105 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 97.7 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	0.000518	0.00067	mg/Kg	1	L558897		06/16/2021	06/17/2021	J
2-Methylnaphthalene	0.000699	0.00067	"	"	"		"	"	
Acenaphthene	0.00362	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-03@0.5'

6/14/2021 2:40:00PM

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

Waypoint Analytical, Inc.
Y106306-03 (Soil)

PAH by 8270D SIM

Anthracene	0.0018	0.00067	mg/Kg	1	L558897		06/16/2021	06/17/2021	
Benzo(a)anthracene	0.0884	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.14	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.154	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	0.0497	0.00067	"	"	"		"	"	
Chrysene	0.0958	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.0246	0.00067	"	"	"		"	"	
Fluoranthene	0.037	0.00067	"	"	"		"	"	
Fluorene	0.00429	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.0966	0.00067	"	"	"		"	"	
Naphthalene	0.00102	0.00067	"	"	"		"	"	
Pyrene	0.0738	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	56.7 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	61.3 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	47 %	29-110			"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-04@0.5'

6/14/2021 3:38:00PM

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

Origins Laboratory, Inc.
Y106306-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1F1406	TEM	06/14/2021	06/14/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl 77.2 % 50-150 " " "

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1F1418	TEM	06/14/2021	06/14/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Benzene	ND	0.00200	"	"	"	TEM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Toluene	ND	0.00200	"	"	"	TEM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	TEM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
 Surrogate: Toluene-d8 106 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 97.0 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L558897		06/16/2021	06/17/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-04@0.5'

6/14/2021 3:38:00PM

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

Waypoint Analytical, Inc.
Y106306-04 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.00067	mg/Kg	1	L558897		06/16/2021	06/17/2021	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.00741	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.012	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.0127	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	0.00456	0.00067	"	"	"		"	"	
Chrysene	0.00871	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.00184	0.00067	"	"	"		"	"	
Fluoranthene	0.0056	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.00741	0.00067	"	"	"		"	"	
Naphthalene	0.000627	0.00067	"	"	"		"	"	J
Pyrene	0.00851	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	55.6 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	64.7 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	47.7 %	29-110			"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-05@0.5'

6/14/2021 3:45:00PM

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

Origins Laboratory, Inc.
Y106306-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1F1406	TEM	06/14/2021	06/14/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	TEM	"	"	U

Surrogate: *o*-Terphenyl 93.4 % 50-150 " " "

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1F1418	TEM	06/14/2021	06/14/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Benzene	ND	0.00200	"	"	"	TEM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Toluene	ND	0.00200	"	"	"	TEM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	TEM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
 Surrogate: Toluene-d8 106 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 97.0 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L558897		06/16/2021	06/17/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SS-05@0.5'

6/14/2021 3:45:00PM

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

Waypoint Analytical, Inc.
 Y106306-05 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.00067	mg/Kg	1	L558897		06/16/2021	06/17/2021	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.00243	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.00411	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.00493	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	0.00203	0.00067	"	"	"		"	"	
Chrysene	0.00324	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.000701	0.00067	"	"	"		"	"	
Fluoranthene	0.00391	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.00269	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	0.00414	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl
 Surrogate: 4-Terphenyl-d14
 Surrogate: Nitrobenzene-d5

63.5 %	33-115	"	"	"
76.6 %	33-122	"	"	"
55 %	29-110	"	"	"

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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 B1F1406 - EPA 3550B										
Blank (B1F1406-BLK1)										
					Prepared: 06/14/2021 Analyzed: 06/14/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	11		"	15.0		74.7	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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 B1F1406 - EPA 3550B										
LCS (B1F1406-BS1)					Prepared: 06/14/2021 Analyzed: 06/14/2021					
Diesel (C10-C28)	561	50.0	mg/kg	600		93.4	70-130			
Residual Range Organics (C28-C40)	591	200	"	600		98.5	70-130			
Surrogate: o-Terphenyl	31		"	30.0		103	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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 B1F1406 - EPA 3550B

Matrix Spike (B1F1406-MS1)	Source: Y106282-01			Prepared: 06/14/2021 Analyzed: 06/14/2021						
Diesel (C10-C28)	529	50.0	mg/kg	600	ND	88.2	70-130			
Residual Range Organics (C28-C40)	600	200	"	600	127	78.9	70-130			
Surrogate: o-Terphenyl	28		"	30.0		94.3	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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 B1F1406 - EPA 3550B

Matrix Spike Dup (B1F1406-MSD1)	Source: Y106282-01		Prepared: 06/14/2021 Analyzed: 06/14/2021							
Diesel (C10-C28)	558	50.0	mg/kg	600	ND	93.0	70-130	5.23	35	
Residual Range Organics (C28-C40)	626	200	"	600	127	83.2	70-130	4.20	35	
Surrogate: o-Terphenyl	32		"	30.0		108	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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 B1F1418 - EPA 5030 (soil)										
Blank (B1F1418-BLK1)										
					Prepared: 06/14/2021 Analyzed: 06/14/2021					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Xylenes, total	ND	0.00200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	86.8		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	106		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	97.6		70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1F1418 - EPA 5030 (soil)

LCS (B1F1418-BS1)

Prepared: 06/14/2021 Analyzed: 06/14/2021

1,2,4-Trimethylbenzene	0.0552	0.00200	mg/kg	0.0500		110	70-130			
Naphthalene	0.0511	0.0100	"	0.0500		102	70-130			
1,3,5-Trimethylbenzene	0.0512	0.00200	"	0.0500		102	70-130			
Benzene	0.0427	0.00200	"	0.0500		85.3	70-130			
Ethylbenzene	0.0498	0.00200	"	0.0500		99.6	70-130			
m,p-Xylene	0.0984	0.00400	"	0.100		98.4	70-130			
o-Xylene	0.0478	0.00200	"	0.0500		95.5	70-130			
Toluene	0.0468	0.00200	"	0.0500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1F1418 - EPA 5030 (soil)

Matrix Spike (B1F1418-MS1)	Source: Y106301-01			Prepared: 06/14/2021 Analyzed: 06/14/2021						
1,2,4-Trimethylbenzene	0.0474	0.00200	mg/kg	0.0500	ND	94.9	70-130			
Naphthalene	0.0431	0.0100	"	0.0500	ND	86.3	70-130			
1,3,5-Trimethylbenzene	0.0478	0.00200	"	0.0500	ND	95.7	70-130			
Benzene	0.0415	0.00200	"	0.0500	ND	83.0	70-130			
Ethylbenzene	0.0477	0.00200	"	0.0500	ND	95.4	70-130			
m,p-Xylene	0.0936	0.00400	"	0.100	ND	93.6	70-130			
o-Xylene	0.0447	0.00200	"	0.0500	ND	89.3	70-130			
Toluene	0.0455	0.00200	"	0.0500	ND	91.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.7	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1F1418 - EPA 5030 (soil)

Matrix Spike Dup (B1F1418-MSD1)	Source: Y106301-01			Prepared: 06/14/2021 Analyzed: 06/14/2021						
1,2,4-Trimethylbenzene	0.0406	0.00200	mg/kg	0.0500	ND	81.2	70-130	15.6	20	
Naphthalene	0.0376	0.0100	"	0.0500	ND	75.2	70-130	13.7	20	
1,3,5-Trimethylbenzene	0.0407	0.00200	"	0.0500	ND	81.3	70-130	16.2	20	
Benzene	0.0364	0.00200	"	0.0500	ND	72.8	70-130	13.2	20	
Ethylbenzene	0.0409	0.00200	"	0.0500	ND	81.8	70-130	15.3	20	
m,p-Xylene	0.0806	0.00400	"	0.100	ND	80.6	70-130	14.9	20	
o-Xylene	0.0384	0.00200	"	0.0500	ND	76.8	70-130	15.1	20	
Toluene	0.0397	0.00200	"	0.0500	ND	79.5	70-130	13.5	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.5	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

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

Batch L558897 - 3550B

MSD (L 97699-MSD-L558897)		Source: 97699			Prepared: 06/16/2021 Analyzed: 06/17/2021					
Benzo(a)pyrene	0.139	0.000133	mg/Kg	0.166	0.000878	83.2	30-130	5.9	30	
1-Methylnaphthalene	0.105	0.00048	"	0.166	<0.000480	63.2	30-130	0.9	30	
2-Methylnaphthalene	0.105	0.000542	"	0.166	<0.000542	63.2	30-130	0.9	30	
Acenaphthene	0.117	0.000431	"	0.166	<0.000431	70.4	30-130	0.8	30	
Anthracene	0.136	0.000426	"	0.166	<0.000426	81.9	30-130	5.2	30	
Benzo(b)fluoranthene	0.121	0.000138	"	0.166	0.00118	72.1	30-130	7.7	30	
Pyrene	0.143	0.000387	"	0.166	0.0014	85.3	30-130	5	30	
Naphthalene	0.0963	0.000467	"	0.166	<0.000467	58	30-130	0.4	30	
Indeno(1,2,3-cd)pyrene	0.105	0.000344	"	0.166	0.000742	62.8	30-130	7.8	30	
Fluorene	0.118	0.000501	"	0.166	<0.000501	71	30-130	0.8	30	
Fluoranthene	0.14	0.000529	"	0.166	0.00121	83.6	30-130	3.6	30	
Dibenz(a,h)anthracene	0.11	0.000279	"	0.166	<0.000279	66.2	30-130	9.5	30	
Chrysene	0.131	0.000256	"	0.166	0.000704	78.4	30-130	3.8	30	
Benzo(k)fluoranthene	0.142	0.000486	"	0.166	<0.000486	85.5	30-130	8	30	
Benzo(a)anthracene	0.131	0.000441	"	0.166	0.000588	78.9	30-130	3.8	30	
Surrogate: 2-Fluorobiphenyl	66.5		"	0.332	189	66.5	33-115			
Surrogate: 4-Terphenyl-d14	77.1		"	0.332	216	77.1	33-122			
Surrogate: Nitrobenzene-d5	56.6		"	0.332	168	56.6	29-110			

MS (L 97699-MS-L558897)		Source: 97699			Prepared: 06/16/2021 Analyzed: 06/17/2021					
Benzo(a)pyrene	0.131	0.000133	mg/Kg	0.165	0.000878	78.8	30-130			
Chrysene	0.126	0.000256	"	0.165	0.000704	75.9	30-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L558897 - 3550B

MS (L 97699-MS-L558897)	Source: 97699			Prepared: 06/16/2021 Analyzed: 06/17/2021						
Pyrene	0.136	0.000387	mg/Kg	0.165	0.0014	81.5	30-130			
Naphthalene	0.0967	0.000467	"	0.165	<0.000467	58.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0971	0.000344	"	0.165	0.000742	58.3	30-130			
Fluorene	0.119	0.000501	"	0.165	<0.000501	72.1	30-130			
Fluoranthene	0.135	0.000529	"	0.165	0.00121	81	30-130			
Dibenz(a,h)anthracene	0.1	0.000279	"	0.165	<0.000279	60.6	30-130			
Benzo(b)fluoranthene	0.112	0.000138	"	0.165	0.00118	67.1	30-130			
Benzo(a)anthracene	0.126	0.000441	"	0.165	0.000588	76.3	30-130			
Anthracene	0.129	0.000426	"	0.165	<0.000426	78.1	30-130			
Acenaphthene	0.118	0.000431	"	0.165	<0.000431	71.5	30-130			
2-Methylnaphthalene	0.104	0.000542	"	0.165	<0.000542	63	30-130			
1-Methylnaphthalene	0.104	0.00048	"	0.165	<0.000480	63	30-130			
Benzo(k)fluoranthene	0.131	0.000486	"	0.165	<0.000486	79.3	30-130			
Surrogate: Nitrobenzene-d5	53		"	0.33	168	53	29-110			
Surrogate: 2-Fluorobiphenyl	61.8		"	0.33	189	61.8	33-115			
Surrogate: 4-Terphenyl-d14	71.5		"	0.33	216	71.5	33-122			

LCS (LCS-L558897)	Prepared: 06/16/2021 Analyzed: 06/17/2021									
Dibenz(a,h)anthracene	0.0975	0.000279	mg/Kg	0.167		58.3	30-130			
Fluoranthene	0.124	0.000529	"	0.167		74.2	30-130			
Fluorene	0.112	0.000501	"	0.167		67	30-130			
Indeno(1,2,3-cd)pyrene	0.0957	0.000344	"	0.167		57.3	30-130			
Naphthalene	0.0964	0.000467	"	0.167		57.7	30-130			
Pyrene	0.124	0.000387	"	0.167		74.2	30-130			
Chrysene	0.122	0.000256	"	0.167		73	30-130			
1-Methylnaphthalene	0.102	0.00048	"	0.167		61	30-130			
Benzo(b)fluoranthene	0.113	0.000138	"	0.167		67.6	30-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L558897 - 3550B

LCS (LCS-L558897)

Prepared: 06/16/2021 Analyzed: 06/17/2021

Benzo(a)pyrene	0.123	0.000133	mg/Kg	0.167		73.6	30-130			
Benzo(a)anthracene	0.12	0.000441	"	0.167		71.8	30-130			
Acenaphthene	0.112	0.000431	"	0.167		67	30-130			
2-Methylnaphthalene	0.101	0.000542	"	0.167		60.4	30-130			
Anthracene	0.124	0.000426	"	0.167		74.2	30-130			
Benzo(k)fluoranthene	0.123	0.000486	"	0.167		73.6	30-130			
Surrogate: 4-Terphenyl-d14	69.6		"	0.333		69.6	33-122			
Surrogate: Nitrobenzene-d5	56.7		"	0.333		56.7	29-110			
Surrogate: 2-Fluorobiphenyl	63		"	0.333		63	33-115			

LRB (LRB-L558897)

Prepared: 06/16/2021 Analyzed: 06/17/2021

Chrysene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	62.7		"	0.333		62.7	33-122			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L558897 - 3550B

LRB (LRB-L558897)

Prepared: 06/16/2021 Analyzed: 06/17/2021

Surrogate: Nitrobenzene-d5	69.9		mg/Kg	0.333		69.9	29-110			
Surrogate: 2-Fluorobiphenyl	68.7		"	0.333		68.7	33-115			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



July 13, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Hays Federal #31-8H5

Project Number - 815901675

Attached are your analytical results for Noble - Hays Federal #31-8H5 received by Origins Laboratory, Inc. June 30, 2021. This project is associated with Origins project number Y106745-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01@0-2'	Y106745-01	Soil	June 30, 2021 9:35	06/30/2021 13:01
SB-02@0-2'	Y106745-02	Soil	June 30, 2021 9:48	06/30/2021 13:01
SB-03@0-2'	Y106745-03	Soil	June 30, 2021 9:55	06/30/2021 13:01
SB-04@0-2'	Y106745-04	Soil	June 30, 2021 10:02	06/30/2021 13:01
SB-05@0-2'	Y106745-05	Soil	June 30, 2021 9:28	06/30/2021 13:01
SB-06@0-2'	Y106745-06	Soil	June 30, 2021 10:18	06/30/2021 13:01
SB-07@0-2'	Y106745-07	Soil	June 30, 2021 10:28	06/30/2021 13:01
SB-08@0-2'	Y106745-08	Soil	June 30, 2021 10:40	06/30/2021 13:01
SB-09@0-2'	Y106745-09	Soil	June 30, 2021 10:34	06/30/2021 13:01
SB-10@0-2'	Y106745-10	Soil	June 30, 2021 10:08	06/30/2021 13:01
Background-01@2'	Y106745-11	Soil	June 30, 2021 10:58	06/30/2021 13:01

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

www.originslaboratory.com



Y100745

page 1 of 2

Client: EAGLE ENV. CONSULTING Project Manager: MARTIN ECKERT III
 Address: 8000 W 44TH AVE Project Name: HAYES FEDERAL #31-8H5
WHEAT RIDGE, CO Project Number: _____
 Telephone Number: 303-433-0479 Samples Collected By: ME
 Email Address: MCE@EAGLE-ENVIRONMENTAL.COM

Fax: 303.265.9645 | Phone: 303.433.1322

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other			
58-01 E0-2'	6-30-21	0934	2	X				X			X	1	
58-02 E0-2'		0948									X	2	
58-03 E0-2'		0955									X	3	
58-04 E0-2'		1002									X	4	
58-05 E0-2'		0928									X	5	TABLE 115 METALS -6020
58-06 E0-2'		1018									X	6	Chrom VI = 7914
58-07 E0-2'		1028									X	7	
58-08 E0-2'		1040									X	8	
58-09 E0-2'		1034									X	9	
58-10 E0-2'		1008									X	10	
Relinquished By: <u>[Signature]</u>	Date: <u>6-30-21</u>	Time: <u>1301</u>	Time: <u>1301</u>	Received By: <u>[Signature]</u>	Date: <u>6-30-21</u>	Time: <u>1301</u>	Date: <u>6-30-21</u>	Time: <u>1301</u>	Turnaround Time: <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> Standard				

Temp Received: 1.1 Date Results Needed: 8/10/21

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

Origins Laboratory

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

Origins Work Order: Y106745 Sample Receipt Checklist Client: Eagle

Checklist Completed by: JG Client Project ID: Hays Federal 13-81

Date/time completed: 6/19/21 Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Cooler Number/Temperature: 1 / 1.1 °C _____ °C _____ °C (Describe)

Thermometer ID: T003

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

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

Reviewed by: JM (Project Manager) Date/Time Reviewed: 7-1-21

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-01@0-2'
6/30/2021 9:35:00AM

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

Origins Laboratory, Inc.
Y106745-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.279	0.199	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	-------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	93.8 %	50-150			"	"	"	"	
------------------------	--------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/06/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	07/05/2021	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	07/06/2021	U
Toluene	ND	0.00200	"	"	"	KDK	"	07/05/2021	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	07/06/2021	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130			"	"		07/05/2021	
Surrogate: Toluene-d8	94.2 %	70-130			"	"		"	
Surrogate: 4-Bromofluorobenzene	79.6 %	70-130			"	"		"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-01@0-2'

6/30/2021 9:35:00AM

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

Origins Laboratory, Inc.
Y106745-01 (Soil)

Metals by Saturated Paste

Calcium	1.00	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	0.876	0.0823	"	"	"	CJM	"	"	
Sodium	3.25	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L562210		07/06/2021	07/06/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.000396	0.00067	"	"	"		"	"	J
Benzo(b)fluoranthene	0.000375	0.00067	"	"	"		"	"	J
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-01@0-2'

6/30/2021 9:35:00AM

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

Waypoint Analytical, Inc.
Y106745-01 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	69.8 %	33-115			L5622 10		07/06/2021	07/06/2021	
Surrogate: 4-Terphenyl-d14	65 %	33-122			"	"	"	"	
Surrogate: Nitrobenzene-d5	70.7 %	29-110			"	"	"	"	

pH in Soil by EPA 9045D

pH	8.13		pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021	
----	------	--	----------	---	---------	-----	------------	------------	--

SAR by 20B Saturated Paste

SAR	3.36		SAR	1	B1G0205	CJM	07/02/2021	07/02/2021	
-----	------	--	-----	---	---------	-----	------------	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.552	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021	
---------------------------	-------	---------	----------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-02@0-2'
6/30/2021 9:48:00AM

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

Origins Laboratory, Inc.
Y106745-02 (Soil)

Boron (DTPA Sorbitol)

Boron	1.77	0.202	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: <i>o</i> -Terphenyl	78.9 %	50-150			"	"	"	"	
--------------------------------	--------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/05/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	07/06/2021	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	07/05/2021	U

Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	94.6 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-02@0-2'

6/30/2021 9:48:00AM

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

Origins Laboratory, Inc.
Y106745-02 (Soil)

Metals by Saturated Paste

Calcium	0.579	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	1.08	0.0823	"	"	"	CJM	"	"	
Sodium	9.63	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L562210		07/06/2021	07/06/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.00988	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.0151	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.0152	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	0.00598	0.00067	"	"	"		"	"	
Chrysene	0.0118	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.00221	0.00067	"	"	"		"	"	
Fluoranthene	0.0084	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.00767	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	0.00894	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl 64.7 % 33-115 " " "

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-02@0-2'

6/30/2021 9:48:00AM

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

Waypoint Analytical, Inc.
Y106745-02 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	59.2 %	33-122			L5622 10		07/06/2021	07/06/2021	
Surrogate: Nitrobenzene-d5	63.5 %	29-110			"		"	"	

pH in Soil by EPA 9045D

pH	8.14		pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021	
----	------	--	----------	---	---------	-----	------------	------------	--

SAR by 20B Saturated Paste

SAR	10.6		SAR	1	B1G0205	CJM	07/02/2021	07/02/2021	
-----	------	--	-----	---	---------	-----	------------	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.37	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021	
---------------------------	------	---------	----------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-03@0-2'

6/30/2021 9:55:00AM

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

Origins Laboratory, Inc.
Y106745-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.419	0.200	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	-------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	81.4 %	50-150			"	"	"	"	
------------------------	--------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/05/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	94.9 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-03@0-2'

6/30/2021 9:55:00AM

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

Origins Laboratory, Inc.
Y106745-03 (Soil)

Metals by Saturated Paste

Calcium	0.748	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	0.706	0.0823	"	"	"	CJM	"	"	
Sodium	2.85	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L562210		07/06/2021	07/06/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.000506	0.00067	"	"	"		"	"	J
Benzo(a)pyrene	0.000806	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.00101	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	0.000457	0.00067	"	"	"		"	"	J
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.000611	0.00067	"	"	"		"	"	J
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-03@0-2'

6/30/2021 9:55:00AM

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

Waypoint Analytical, Inc.
Y106745-03 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	72 %	33-115			L5622 10		07/06/2021	07/06/2021	
Surrogate: 4-Terphenyl-d14	72.3 %	33-122			"	"	"	"	
Surrogate: Nitrobenzene-d5	68.1 %	29-110			"	"	"	"	

pH in Soil by EPA 9045D

pH	8.02		pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021	
----	-------------	--	----------	---	---------	-----	------------	------------	--

SAR by 20B Saturated Paste

SAR	3.35		SAR	1	B1G0205	CJM	07/02/2021	07/02/2021	
-----	-------------	--	-----	---	---------	-----	------------	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.468	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021	
---------------------------	--------------	---------	----------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-04@0-2'

6/30/2021 10:02:00AM

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

Origins Laboratory, Inc.
Y106745-04 (Soil)

Boron (DTPA Sorbitol)

Boron	1.87	0.201	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	91.8 %	50-150			"	"	"	"	
------------------------	--------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/05/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	93.5 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-04@0-2'

6/30/2021 10:02:00AM

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

Origins Laboratory, Inc.
Y106745-04 (Soil)

Metals by Saturated Paste

Calcium	1.27	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	2.39	0.0823	"	"	"	CJM	"	"	
Sodium	10.8	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L562210		07/06/2021	07/06/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.00942	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.0174	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.0186	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	0.006	0.00067	"	"	"		"	"	
Chrysene	0.0123	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.00273	0.00067	"	"	"		"	"	
Fluoranthene	0.00729	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.0102	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	0.00829	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl 68.3 % 33-115 " " "

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-04@0-2'

6/30/2021 10:02:00AM

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

Waypoint Analytical, Inc.
Y106745-04 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	65.2 %		33-122		L5622 10		07/06/2021	07/06/2021	
Surrogate: Nitrobenzene-d5	70.5 %		29-110		"		"	"	

pH in Soil by EPA 9045D

pH	8.22		pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021	
----	------	--	----------	---	---------	-----	------------	------------	--

SAR by 20B Saturated Paste

SAR	8.01		SAR	1	B1G0205	CJM	07/02/2021	07/02/2021	
-----	------	--	-----	---	---------	-----	------------	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.69	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021	
---------------------------	------	---------	----------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-05@0-2'

6/30/2021 9:28:00AM

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

Origins Laboratory, Inc.
Y106745-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.723	0.201	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	-------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	101 %	50-150			"	"	"	"	
------------------------	-------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/05/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	93.3 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-05@0-2'

6/30/2021 9:28:00AM

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

Origins Laboratory, Inc.
Y106745-05 (Soil)

Metals by Saturated Paste

Calcium	1.66	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	2.01	0.0823	"	"	"	CJM	"	"	
Sodium	6.69	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L562210		07/06/2021	07/06/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.0035	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.00354	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.00356	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	0.00141	0.00067	"	"	"		"	"	
Chrysene	0.00433	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.00044	0.00067	"	"	"		"	"	J
Fluoranthene	0.00363	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.00141	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	0.00305	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl 67.5 % 33-115 " " "

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-05@0-2'

6/30/2021 9:28:00AM

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

Waypoint Analytical, Inc.
Y106745-05 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	63 %	33-122			L5622 10		07/06/2021	07/06/2021	
Surrogate: Nitrobenzene-d5	69.9 %	29-110			"	"	"	"	

pH in Soil by EPA 9045D

pH	8.23		pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021	
----	------	--	----------	---	---------	-----	------------	------------	--

SAR by 20B Saturated Paste

SAR	4.94		SAR	1	B1G0205	CJM	07/02/2021	07/02/2021	
-----	------	--	-----	---	---------	-----	------------	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.32	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021	
---------------------------	------	---------	----------	---	---------	-----	------------	------------	--

Total Metals by 6020B

Arsenic	0.783	0.25	mg/Kg	5	L561745		07/01/2021	07/06/2021	
Barium	44.4	0.25	"	"	"		"	"	
Cadmium	0.102	0.25	"	"	"		"	"	J
Copper	5.09	0.25	"	"	"		"	"	
Lead	6.38	0.25	"	"	"		"	"	
Nickel	3.86	0.25	"	"	"		"	"	
Selenium	0.162	0.25	"	"	"		"	"	J
Silver	0.027	0.25	"	"	"		"	"	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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

SB-05@0-2'

6/30/2021 9:28:00AM

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

Waypoint Analytical, Inc.
Y106745-05 (Soil)

Total Metals by 6020B

Zinc	23.3	2.5	mg/Kg	5	L561745		07/01/2021	07/06/2021	
------	------	-----	-------	---	---------	--	------------	------------	--

Total Metals by 7196A

Chromium, Hexavalent	ND	1.02	mg/Kg	2	L562355		06/30/2021	07/07/2021	
----------------------	----	------	-------	---	---------	--	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-06@0-2'

6/30/2021 10:18:00AM

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

Origins Laboratory, Inc.
Y106745-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.359	0.199	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	-------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	92.2 %	50-150			"	"	"	"	
------------------------	--------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/05/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	93.3 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-06@0-2'

6/30/2021 10:18:00AM

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

Origins Laboratory, Inc.
Y106745-06 (Soil)

Metals by Saturated Paste

Calcium	2.41	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	2.66	0.0823	"	"	"	CJM	"	"	
Sodium	4.82	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L562210		07/06/2021	07/06/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	0.000549	0.00067	"	"	"		"	"	J
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.0138	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.0195	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.0205	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	0.0065	0.00067	"	"	"		"	"	
Chrysene	0.0172	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.0019	0.00067	"	"	"		"	"	
Fluoranthene	0.0159	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.00919	0.00067	"	"	"		"	"	
Naphthalene	0.000482	0.00067	"	"	"		"	"	JB
Pyrene	0.0156	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl 69.6 % 33-115 " " "

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-06@0-2'

6/30/2021 10:18:00AM

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

Waypoint Analytical, Inc.
Y106745-06 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	69 %	33-122			L5622 10		07/06/2021	07/06/2021	
Surrogate: Nitrobenzene-d5	66.3 %	29-110			"		"	"	

pH in Soil by EPA 9045D

pH	7.93		pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021	
----	------	--	----------	---	---------	-----	------------	------------	--

SAR by 20B Saturated Paste

SAR	3.03		SAR	1	B1G0205	CJM	07/02/2021	07/02/2021	
-----	------	--	-----	---	---------	-----	------------	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.20	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021	
---------------------------	------	---------	----------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-07@0-2'

6/30/2021 10:28:00AM

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

Origins Laboratory, Inc.
Y106745-07 (Soil)

Boron (DTPA Sorbitol)

Boron	1.73	0.199	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: <i>o</i> -Terphenyl	93.3 %	50-150			"	"	"	"	
--------------------------------	--------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/06/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	91.4 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	94.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-07@0-2'

6/30/2021 10:28:00AM

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

Origins Laboratory, Inc.
 Y106745-07 (Soil)

Metals by Saturated Paste

Calcium	0.926	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	1.87	0.0823	"	"	"	CJM	"	"	
Sodium	7.50	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L562210		07/06/2021	07/06/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.00051	0.00067	"	"	"		"	"	J
Benzo(a)pyrene	0.000839	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.000788	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	0.000816	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	0.000888	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	0.000535	0.00067	"	"	"		"	"	J
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	0.0008	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-07@0-2'

6/30/2021 10:28:00AM

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

Waypoint Analytical, Inc.
Y106745-07 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	70.5 %	33-115			L5622 10		07/06/2021	07/06/2021	
Surrogate: 4-Terphenyl-d14	69.2 %	33-122			"	"	"	"	
Surrogate: Nitrobenzene-d5	66.5 %	29-110			"	"	"	"	

pH in Soil by EPA 9045D

pH	8.17		pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021	
----	------	--	----------	---	---------	-----	------------	------------	--

SAR by 20B Saturated Paste

SAR	6.32		SAR	1	B1G0205	CJM	07/02/2021	07/02/2021	
-----	------	--	-----	---	---------	-----	------------	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.16	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021	
---------------------------	------	---------	----------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-08@0-2'

6/30/2021 10:40:00AM

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

Origins Laboratory, Inc.
Y106745-08 (Soil)

Boron (DTPA Sorbitol)

Boron	1.69	0.201	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: <i>o</i> -Terphenyl	94.0 %	50-150			"	"	"	"	
--------------------------------	--------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/06/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	93.5 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-08@0-2'

6/30/2021 10:40:00AM

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

Origins Laboratory, Inc.
 Y106745-08 (Soil)

Metals by Saturated Paste

Calcium	2.25	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	2.77	0.0823	"	"	"	CJM	"	"	
Sodium	4.86	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L562210		07/06/2021	07/06/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.000266	0.00067	"	"	"		"	"	J
Benzo(b)fluoranthene	0.000273	0.00067	"	"	"		"	"	J
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-08@0-2'

6/30/2021 10:40:00AM

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

Waypoint Analytical, Inc.
Y106745-08 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	69.6 %	33-115			L5622 10		07/06/2021	07/06/2021	
Surrogate: 4-Terphenyl-d14	63.9 %	33-122			"	"	"	"	
Surrogate: Nitrobenzene-d5	68.7 %	29-110			"	"	"	"	

pH in Soil by EPA 9045D

pH	7.97		pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021	
----	------	--	----------	---	---------	-----	------------	------------	--

SAR by 20B Saturated Paste

SAR	3.07		SAR	1	B1G0205	CJM	07/02/2021	07/02/2021	
-----	------	--	-----	---	---------	-----	------------	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.08	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021	
---------------------------	------	---------	----------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-09@0-2'

6/30/2021 10:34:00AM

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

Origins Laboratory, Inc.
Y106745-09 (Soil)

Boron (DTPA Sorbitol)

Boron	1.12	0.200	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: <i>o</i> -Terphenyl	87.3 %	50-150			"	"	"	"	
--------------------------------	--------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/06/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	94.3 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-09@0-2'

6/30/2021 10:34:00AM

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

Origins Laboratory, Inc.
 Y106745-09 (Soil)

Metals by Saturated Paste

Calcium	2.10	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	2.24	0.0823	"	"	"	CJM	"	"	
Sodium	3.87	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0067	mg/Kg	10	L562314		07/07/2021	07/07/2021	
2-Methylnaphthalene	ND	0.0067	"	"	"		"	"	
Acenaphthene	ND	0.0067	"	"	"		"	"	
Anthracene	ND	0.0067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.0067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.0067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.0067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.0067	"	"	"		"	"	
Chrysene	ND	0.0067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.0067	"	"	"		"	"	
Fluoranthene	ND	0.0067	"	"	"		"	"	
Fluorene	ND	0.0067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.0067	"	"	"		"	"	
Naphthalene	ND	0.0067	"	"	"		"	"	
Pyrene	ND	0.0067	"	"	"		"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-09@0-2'

6/30/2021 10:34:00AM

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

Waypoint Analytical, Inc.
Y106745-09 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	64.3 %	33-115			L5623 14		07/07/2021	07/07/2021	
Surrogate: 4-Terphenyl-d14	72.4 %	33-122			"	"	"	"	
Surrogate: Nitrobenzene-d5	65.8 %	29-110			"	"	"	"	

pH in Soil by EPA 9045D

pH	7.92		pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021	
----	------	--	----------	---	---------	-----	------------	------------	--

SAR by 20B Saturated Paste

SAR	2.62		SAR	1	B1G0205	CJM	07/02/2021	07/02/2021	
-----	------	--	-----	---	---------	-----	------------	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.913	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021	
---------------------------	-------	---------	----------	---	---------	-----	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-10@0-2'

6/30/2021 10:08:00AM

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

Origins Laboratory, Inc.
Y106745-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.884	0.201	mg/L	1	B1F3021	CJM	06/30/2021	07/02/2021	
-------	-------	-------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1G0110	KDK	07/01/2021	07/02/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U

Surrogate: <i>o</i> -Terphenyl	90.1 %	50-150			"	"	"	"	
--------------------------------	--------	--------	--	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G0109	KDK	07/01/2021	07/06/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	94.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-10@0-2'

6/30/2021 10:08:00AM

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

Origins Laboratory, Inc.
Y106745-10 (Soil)

Metals by Saturated Paste

Calcium	0.862	0.0499	meq/L	1	[CALC]	CJM	07/02/2021	07/02/2021	
Magnesium	1.15	0.0823	"	"	"	CJM	"	"	
Sodium	7.74	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L562314		07/07/2021	07/07/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	0.00212	0.00067	"	"	"		"	"	
Anthracene	0.00194	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.04	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.0558	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.0547	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	0.0297	0.00067	"	"	"		"	"	
Chrysene	0.0482	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	0.00943	0.00067	"	"	"		"	"	
Fluoranthene	0.028	0.00067	"	"	"		"	"	
Fluorene	0.000635	0.00067	"	"	"		"	"	J
Indeno(1,2,3-cd)pyrene	0.0202	0.00067	"	"	"		"	"	
Naphthalene	0.000869	0.00067	"	"	"		"	"	
Pyrene	0.0387	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	64.5 %	33-115			"	"	"	"	
Surrogate: 4-Terphenyl-d14	78 %	33-122			"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-10@0-2'

6/30/2021 10:08:00AM

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

Waypoint Analytical, Inc.
Y106745-10 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	57.5 %	29-110			L5623 14	07/07/2021	07/07/2021
----------------------------	--------	--------	--	--	-------------	------------	------------

pH in Soil by EPA 9045D

pH	8.18	pH Units	1	B1G0121	DJL	07/01/2021	07/02/2021
----	------	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	7.71	SAR	1	B1G0205	CJM	07/02/2021	07/02/2021
-----	------	-----	---	---------	-----	------------	------------

Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.14	0.00500	mmhos/cm	1	B1G0123	DJL	07/01/2021	07/02/2021
---------------------------	------	---------	----------	---	---------	-----	------------	------------

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

Background-01@2'
6/30/2021 10:58:00AM

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

Waypoint Analytical, Inc.
Y106745-11 (Soil)

Total Metals by 6020B

Arsenic	0.818	0.25	mg/Kg	5	L561745		07/01/2021	07/06/2021	
---------	-------	------	-------	---	---------	--	------------	------------	--

Total Metals by 7196A

Chromium, Hexavalent	ND	1	mg/Kg	2	L562355		06/30/2021	07/07/2021	
----------------------	----	---	-------	---	---------	--	------------	------------	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0109 - EPA 5030 (soil)

Blank (B1G0109-BLK1)

Prepared: 07/01/2021 Analyzed: 07/05/2021

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.0100	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	93.9		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	95.2		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	104		70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0109 - EPA 5030 (soil)

LCS (B1G0109-BS1)

Prepared: 07/01/2021 Analyzed: 07/05/2021

1,2,4-Trimethylbenzene	0.0590	0.00200	mg/kg	0.0500		118	70-130			
Naphthalene	0.0571	0.0100	"	0.0500		114	70-130			
1,3,5-Trimethylbenzene	0.0569	0.00200	"	0.0500		114	70-130			
Benzene	0.0563	0.00200	"	0.0500		113	70-130			
Ethylbenzene	0.0575	0.00200	"	0.0500		115	70-130			
m,p-Xylene	0.117	0.00400	"	0.100		117	70-130			
o-Xylene	0.0571	0.00200	"	0.0500		114	70-130			
Toluene	0.0547	0.00200	"	0.0500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0109 - EPA 5030 (soil)

Matrix Spike (B1G0109-MS1)	Source: Y106738-03			Prepared: 07/01/2021 Analyzed: 07/05/2021						
1,2,4-Trimethylbenzene	0.0444	0.00200	mg/kg	0.0500	ND	88.7	70-130			
Naphthalene	0.0402	0.0100	"	0.0500	ND	80.4	70-130			
1,3,5-Trimethylbenzene	0.0437	0.00200	"	0.0500	ND	87.4	70-130			
Benzene	0.0484	0.00200	"	0.0500	ND	96.8	70-130			
Ethylbenzene	0.0449	0.00200	"	0.0500	ND	89.8	70-130			
m,p-Xylene	0.0908	0.00400	"	0.100	ND	90.8	70-130			
o-Xylene	0.0445	0.00200	"	0.0500	ND	89.1	70-130			
Toluene	0.0444	0.00200	"	0.0500	ND	88.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0109 - EPA 5030 (soil)

Matrix Spike Dup (B1G0109-MSD1)	Source: Y106738-03			Prepared: 07/01/2021 Analyzed: 07/05/2021						
1,2,4-Trimethylbenzene	0.0453	0.00200	mg/kg	0.0500	ND	90.7	70-130	2.19	20	
Naphthalene	0.0413	0.0100	"	0.0500	ND	82.7	70-130	2.85	20	
1,3,5-Trimethylbenzene	0.0449	0.00200	"	0.0500	ND	89.8	70-130	2.66	20	
Benzene	0.0498	0.00200	"	0.0500	ND	99.6	70-130	2.93	20	
Ethylbenzene	0.0459	0.00200	"	0.0500	ND	91.9	70-130	2.25	20	
m,p-Xylene	0.0925	0.00400	"	0.100	ND	92.5	70-130	1.85	20	
o-Xylene	0.0457	0.00200	"	0.0500	ND	91.3	70-130	2.48	20	
Toluene	0.0456	0.00200	"	0.0500	ND	91.1	70-130	2.53	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1G0110 - EPA 3550B										
Blank (B1G0110-BLK1)										
					Prepared: 07/01/2021 Analyzed: 07/02/2021					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	47		"	50.0		94.2	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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 B1G0110 - EPA 3550B

LCS (B1G0110-BS1)

Prepared: 07/01/2021 Analyzed: 07/02/2021

Diesel (C10-C28)	469	50.0	mg/kg	500		93.8	70-130			
Residual Range Organics (C28-C40)	473	200	"	500		94.5	70-130			
Surrogate: o-Terphenyl	50		"	50.0		99.5	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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 B1G0110 - EPA 3550B

Matrix Spike (B1G0110-MS1)	Source: Y106738-03			Prepared: 07/01/2021 Analyzed: 07/02/2021						
Diesel (C10-C28)	407	50.0	mg/kg	500	ND	81.4	70-130			
Residual Range Organics (C28-C40)	398	200	"	500	43.9	70.9	70-130			
Surrogate: o-Terphenyl	41		"	50.0		81.0	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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 B1G0110 - EPA 3550B

Matrix Spike Dup (B1G0110-MSD1)	Source: Y106738-03			Prepared: 07/01/2021 Analyzed: 07/02/2021						
Diesel (C10-C28)	384	50.0	mg/kg	500	ND	76.7	70-130	5.88	35	
Residual Range Organics (C28-C40)	345	200	"	500	43.9	60.3	70-130	14.3	35	QM-07
Surrogate: o-Terphenyl	32		"	50.0		64.1	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L562210 - 3550B

MSD (L 94708-MSD-L562210)		Source: 94708			Prepared: 07/06/2021 Analyzed: 07/06/2021					
Benzo(a)anthracene	0.132	0.000441	mg/Kg	0.166	94708	79.5	30-130	3.8	30	
Naphthalene	0.122	0.000467	"	0.166	94708	73.4	30-130	9.4	30	
Indeno(1,2,3-cd)pyrene	0.114	0.000344	"	0.166	94708	68.6	30-130	12	30	
Fluorene	0.131	0.000501	"	0.166	94708	78.9	30-130	3.8	30	
Fluoranthene	0.127	0.000529	"	0.166	94708	76.5	30-130	3.8	30	
Dibenz(a,h)anthracene	0.128	0.000279	"	0.166	94708	77.1	30-130	13.3	30	
Chrysene	0.147	0.000256	"	0.166	94708	88.5	30-130	2	30	
Benzo(b)fluoranthene	0.118	0.000138	"	0.166	0.000301	71	30-130	3.4	30	
Pyrene	0.127	0.000387	"	0.166	94708	76.5	30-130	4.6	30	
Acenaphthene	0.122	0.000431	"	0.166	94708	73.4	30-130	6.7	30	
2-Methylnaphthalene	0.127	0.000542	"	0.166	94708	76.5	30-130	11.6	30	
1-Methylnaphthalene	0.128	0.00048	"	0.166	94708	77.1	30-130	8.9	30	
Benzo(a)pyrene	0.143	0.000133	"	0.166	0.000261	86.1	30-130	2.1	30	
Benzo(k)fluoranthene	0.112	0.000486	"	0.166	94708	67.4	30-130	7.7	30	
Anthracene	0.134	0.000426	"	0.166	94708	80.7	30-130	4.5	30	
Surrogate: Nitrobenzene-d5	69.7		"	0.331	233	69.7	29-110			
Surrogate: 4-Terphenyl-d14	66.4		"	0.331	231	66.4	33-122			
Surrogate: 2-Fluorobiphenyl	68.8		"	0.331	229	68.8	33-115			

MS (L 94708-MS-L562210)		Source: 94708			Prepared: 07/06/2021 Analyzed: 07/06/2021					
Benzo(k)fluoranthene	0.121	0.000486	mg/Kg	0.163	94708	74.2	30-130			
Naphthalene	0.111	0.000467	"	0.163	94708	68	30-130			
Indeno(1,2,3-cd)pyrene	0.101	0.000344	"	0.163	94708	61.9	30-130			
Fluorene	0.126	0.000501	"	0.163	94708	77.3	30-130			
Fluoranthene	0.132	0.000529	"	0.163	94708	80.9	30-130			
Chrysene	0.144	0.000256	"	0.163	94708	88.3	30-130			
Benzo(b)fluoranthene	0.114	0.000138	"	0.163	0.000301	69.9	30-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L562210 - 3550B

MS (L 94708-MS-L562210)		Source: 94708			Prepared: 07/06/2021 Analyzed: 07/06/2021					
Benzo(a)pyrene	0.14	0.000133	mg/Kg	0.163	0.000261	85.8	30-130			
Benzo(a)anthracene	0.127	0.000441	"	0.163	94708	77.9	30-130			
Anthracene	0.128	0.000426	"	0.163	94708	78.5	30-130			
Acenaphthene	0.114	0.000431	"	0.163	94708	69.9	30-130			
Dibenz(a,h)anthracene	0.112	0.000279	"	0.163	94708	68.7	30-130			
2-Methylnaphthalene	0.113	0.000542	"	0.163	94708	69.3	30-130			
1-Methylnaphthalene	0.117	0.00048	"	0.163	94708	71.7	30-130			
Pyrene	0.133	0.000387	"	0.163	94708	81.5	30-130			
Surrogate: Nitrobenzene-d5	68.8		"	0.327	233	68.8	29-110			
Surrogate: 4-Terphenyl-d14	73.3		"	0.327	231	73.3	33-122			
Surrogate: 2-Fluorobiphenyl	71.2		"	0.327	229	71.2	33-115			

LCS (LCS-L562210)					Prepared: 07/06/2021 Analyzed: 07/06/2021					
Fluoranthene	0.123	0.000529	mg/Kg	0.167		73.6	30-130			
Benzo(a)anthracene	0.112	0.000441	"	0.167		67	30-130			
Benzo(a)pyrene	0.126	0.000133	"	0.167		75.4	30-130			
Benzo(b)fluoranthene	0.102	0.000138	"	0.167		61	30-130			
Benzo(k)fluoranthene	0.106	0.000486	"	0.167		63.4	30-130			
Chrysene	0.135	0.000256	"	0.167		80.8	30-130			
Dibenz(a,h)anthracene	0.103	0.000279	"	0.167		61.6	30-130			
Fluorene	0.121	0.000501	"	0.167		72.4	30-130			
Anthracene	0.123	0.000426	"	0.167		73.6	30-130			
Naphthalene	0.109	0.000467	"	0.167		65.2	30-130			
Pyrene	0.12	0.000387	"	0.167		71.8	30-130			
Indeno(1,2,3-cd)pyrene	0.0983	0.000344	"	0.167		58.8	30-130			
Acenaphthene	0.113	0.000431	"	0.167		67.6	30-130			
2-Methylnaphthalene	0.11	0.000542	"	0.167		65.8	30-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L562210 - 3550B

LCS (LCS-L562210)

Prepared: 07/06/2021 Analyzed: 07/06/2021

1-Methylnaphthalene	0.112	0.00048	mg/Kg	0.167		67	30-130			
Surrogate: Nitrobenzene-d5	67.2		"	0.333		67.2	29-110			
Surrogate: 4-Terphenyl-d14	66		"	0.333		66	33-122			
Surrogate: 2-Fluorobiphenyl	68.1		"	0.333		68.1	33-115			

LRB (LRB-L562210)

Prepared: 07/06/2021 Analyzed: 07/06/2021

Benzo(b)fluoranthene	ND	0.00067	mg/Kg				-			
1-Methylnaphthalene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Naphthalene	0.000479	0.00067	"				-			J
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	73.5		"	0.333		73.5	33-115			
Surrogate: 4-Terphenyl-d14	66.6		"	0.333		66.6	33-122			
Surrogate: Nitrobenzene-d5	81.3		"	0.333		81.3	29-110			

Batch L562314 - 3550B

MSD (G 54115-MSD-L562314)

Source: 54115

Prepared: 07/07/2021 Analyzed: 07/07/2021

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L562314 - 3550B

MSD (G 54115-MSD-L562314)		Source: 54115			Prepared: 07/07/2021 Analyzed: 07/07/2021					
Dibenz(a,h)anthracene	0.0971	0.000279	mg/Kg	0.167	54115	58.1	30-130	6.2	30	
Fluoranthene	0.135	0.000529	"	0.167	54115	80.8	30-130	2.2	30	
Fluorene	0.123	0.000501	"	0.167	54115	73.6	30-130	5.8	30	
Indeno(1,2,3-cd)pyrene	0.0911	0.000344	"	0.167	54115	54.5	30-130	4.6	30	
Naphthalene	0.106	0.000467	"	0.167	54115	63.4	30-130	4.8	30	
Pyrene	0.126	0.000387	"	0.167	54115	75.4	30-130	2.4	30	
Chrysene	0.133	0.000256	"	0.167	54115	79.6	30-130	2.2	30	
2-Methylnaphthalene	0.105	0.000542	"	0.167	54115	62.8	30-130	2.8	30	
Benzo(b)fluoranthene	0.0793	0.000138	"	0.167	54115	47.4	30-130	6.6	30	
Benzo(a)pyrene	0.13	0.000133	"	0.167	54115	77.8	30-130	1.5	30	
Benzo(a)anthracene	0.118	0.000441	"	0.167	54115	70.6	30-130	1.6	30	
Anthracene	0.136	0.000426	"	0.167	54115	81.4	30-130	0	30	
1-Methylnaphthalene	0.11	0.00048	"	0.167	54115	65.8	30-130	4.6	30	
Benzo(k)fluoranthene	0.119	0.000486	"	0.167	54115	71.2	30-130	7.8	30	
Acenaphthene	0.115	0.000431	"	0.167	54115	68.8	30-130	3.5	30	
Surrogate: Nitrobenzene-d5	58.8		"	0.333	177	58.8	29-110			
Surrogate: 4-Terphenyl-d14	77.7		"	0.333	240	77.7	33-122			
Surrogate: 2-Fluorobiphenyl	65.4		"	0.333	186	65.4	33-115			

MS (G 54115-MS-L562314)		Source: 54115			Prepared: 07/07/2021 Analyzed: 07/07/2021					
1-Methylnaphthalene	0.105	0.00048	mg/Kg	0.165	54115	63.6	30-130			
Benzo(k)fluoranthene	0.11	0.000486	"	0.165	54115	66.6	30-130			
Chrysene	0.136	0.000256	"	0.165	54115	82.4	30-130			
Benzo(a)pyrene	0.132	0.000133	"	0.165	54115	80	30-130			
Benzo(a)anthracene	0.12	0.000441	"	0.165	54115	72.7	30-130			
Anthracene	0.136	0.000426	"	0.165	54115	82.4	30-130			
Acenaphthene	0.111	0.000431	"	0.165	54115	67.2	30-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L562314 - 3550B

MS (G 54115-MS-L562314)	Source: 54115			Prepared: 07/07/2021 Analyzed: 07/07/2021						
2-Methylnaphthalene	0.102	0.000542	mg/Kg	0.165	54115	61.8	30-130			
Benzo(b)fluoranthene	0.0742	0.000138	"	0.165	54115	44.9	30-130			
Fluoranthene	0.132	0.000529	"	0.165	54115	80	30-130			
Fluorene	0.116	0.000501	"	0.165	54115	70.3	30-130			
Indeno(1,2,3-cd)pyrene	0.087	0.000344	"	0.165	54115	52.7	30-130			
Naphthalene	0.101	0.000467	"	0.165	54115	61.2	30-130			
Pyrene	0.123	0.000387	"	0.165	54115	74.5	30-130			
Dibenz(a,h)anthracene	0.0912	0.000279	"	0.165	54115	55.2	30-130			
Surrogate: 4-Terphenyl-d14	79.6		"	0.33	240	79.6	33-122			
Surrogate: 2-Fluorobiphenyl	63.6		"	0.33	186	63.6	33-115			
Surrogate: Nitrobenzene-d5	57.5		"	0.33	177	57.5	29-110			

LCS (LCS-L562314)				Prepared: 07/07/2021 Analyzed: 07/07/2021						
Pyrene	0.119	0.000387	mg/Kg	0.167		71.2	30-130			
Acenaphthene	0.111	0.000431	"	0.167		66.4	30-130			
Anthracene	0.13	0.000426	"	0.167		77.8	30-130			
Naphthalene	0.105	0.000467	"	0.167		62.8	30-130			
Indeno(1,2,3-cd)pyrene	0.0875	0.000344	"	0.167		52.3	30-130			
1-Methylnaphthalene	0.108	0.00048	"	0.167		64.6	30-130			
Chrysene	0.131	0.000256	"	0.167		78.4	30-130			
Benzo(a)pyrene	0.128	0.000133	"	0.167		76.6	30-130			
Benzo(a)anthracene	0.115	0.000441	"	0.167		68.8	30-130			
Benzo(k)fluoranthene	0.108	0.000486	"	0.167		64.6	30-130			
2-Methylnaphthalene	0.105	0.000542	"	0.167		62.8	30-130			
Dibenz(a,h)anthracene	0.0939	0.000279	"	0.167		56.2	30-130			
Fluoranthene	0.128	0.000529	"	0.167		76.6	30-130			
Fluorene	0.118	0.000501	"	0.167		70.6	30-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L562314 - 3550B

LCS (LCS-L562314)

Prepared: 07/07/2021 Analyzed: 07/07/2021

Benzo(b)fluoranthene	0.081	0.000138	mg/Kg	0.167		48.5	30-130			
Surrogate: 4-Terphenyl-d14	81.6		"	0.333		81.6	33-122			
Surrogate: 2-Fluorobiphenyl	70.5		"	0.333		70.5	33-115			
Surrogate: Nitrobenzene-d5	63.3		"	0.333		63.3	29-110			

LRB (LRB-L562314)

Prepared: 07/07/2021 Analyzed: 07/07/2021

Fluoranthene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	68.4		"	0.333		68.4	33-115			
Surrogate: 4-Terphenyl-d14	74.7		"	0.333		74.7	33-122			
Surrogate: Nitrobenzene-d5	58.8		"	0.333		58.8	29-110			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L561745 - 3050B										
MSD (L 93792-MSD-L561745)			Source: Y106745-11			Prepared: 07/01/2021 Analyzed: 07/06/2021				
Copper	9.39	0.0806	mg/Kg	2.45	8.02	56	75-125	9.2	80	*
Zinc	55.6	0.534	"	24.5	35.5	82	75-125	14.3	80	
Silver	0.505	0.0067	"	0.489	0.0753	103	75-125	3.6	80	
Selenium	3.37	0.103	"	4.89	0.195	69	75-125	2.3	80	*
Lead	12.8	0.031	"	2.45	9.83	121	75-125	3	80	
Cadmium	0.629	0.0259	"	0.489	0.155	129	75-125	1.1	80	*
Barium	68.8	0.042	"	4.89	68.9	NR	75-125	7	80	*
Arsenic	2.47	0.0855	"	2.45	0.818	68	75-125	11	80	*
Nickel	7.25	0.0633	"	2.45	5.08	89	75-125	5.6	80	
MS (L 93792-MS-L561745)			Source: Y106745-11			Prepared: 07/01/2021 Analyzed: 07/06/2021				
Copper	10.3	0.0806	mg/Kg	2.48	8.02	92	75-125			
Silver	0.524	0.0067	"	0.496	0.0753	106	75-125			
Selenium	3.45	0.103	"	4.96	0.195	70	75-125			*
Arsenic	2.76	0.0855	"	2.48	0.818	78	75-125			
Barium	73.8	0.042	"	4.96	68.9	99	75-125			
Cadmium	0.622	0.0259	"	0.496	0.155	126	75-125			*
Lead	13.2	0.031	"	2.48	9.83	136	75-125			*
Zinc	64.2	0.534	"	24.8	35.5	116	75-125			
Nickel	7.67	0.0633	"	2.48	5.08	105	75-125			
LCS (LCS-L561745)			Prepared: 07/01/2021 Analyzed: 07/06/2021							
Nickel	2.33	0.0633	mg/Kg	2.5		93	80-120			
Zinc	23	0.534	"	25		92	80-120			
Selenium	4.68	0.103	"	5		94	80-120			
Lead	2.48	0.031	"	2.5		99	80-120			
Copper	2.29	0.0806	"	2.5		92	80-120			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch L561745 - 3050B

LCS (LCS-L561745)

Prepared: 07/01/2021 Analyzed: 07/06/2021

Cadmium	0.44	0.0259	mg/Kg	0.5		88	80-120			
Barium	4.83	0.042	"	5		97	80-120			
Arsenic	2.27	0.0855	"	2.5		91	80-120			
Silver	0.472	0.0067	"	0.5		94	80-120			

LRB (LRB-L561745)

Prepared: 07/01/2021 Analyzed: 07/06/2021

Cadmium	ND	0.25	mg/Kg				-			
Zinc	ND	2.5	"				-			
Silver	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Copper	0.105	0.25	"				-			J
Barium	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			
Lead	ND	0.25	"				-			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L562355 -										
DUP (L 85724-DUP)		Source: 85724			Prepared: Analyzed: 07/07/2021					
Chromium, Hexavalent	ND	0.244	mg/Kg		85724		-	0	20	
MS (L 85724-MS)		Source: 85724			Prepared: Analyzed: 07/07/2021					
Chromium, Hexavalent	3.88	0.244	mg/Kg	7.72	85724	50	75-125			*
LCS (LCS)					Prepared: Analyzed: 07/07/2021					
Chromium, Hexavalent	7.37	0.244	mg/Kg	8		92	75-125			
LRB (LRB)					Prepared: Analyzed: 07/07/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

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.

JB [Undefined]

J Estimated Value. Analyte below reported quantitation limit.

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



July 13, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Hays Federal #31-8H5

Project Number - 815901675

Attached are your analytical results for Noble - Hays Federal #31-8H5 received by Origins Laboratory, Inc. July 06, 2021. This project is associated with Origins project number Y107093-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01	Y107093-01	Water	July 6, 2021 9:21	07/06/2021 12:02
SB-06	Y107093-02	Water	July 6, 2021 9:35	07/06/2021 12:02

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5



1107093

www.originslaboratory.com

page 1 of 1

Client: EAGLE ENV. CONSULTING
 Address: 8000 W 44TH AVE.
WHEAT RIDGE, CO
 Telephone Number: 303-433-0479
 Email Address: MILES@EAGLE-ENVIRONMENTAL.COM

Project Manager: MARTIN ECKERT III
 Project Name: HAYS FEDERAL #31-8H5
 Project Number: _____
 Samples Collected By: KJ

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis				Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	BTEX	Naphthalene	THMs			
5B-01	7-6-21	0921	3		X			X					X	X	X	1	
5B-06	7-6-21	0933	3		X			X					X	X	X	2	
																3	
																4	
																5	
																6	
																7	
																8	
																9	
																10	

Relinquished by: [Signature] Date: 7-6-21 Time: 1202
 Relinquished by: [Signature] Date: 7-6-21 Time: 1202
 Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr Standard

Temp Received: 2.4 Date Results Needed: NOBLE
 Bill to: 14019

Origins Laboratory, Inc.

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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4107093

Client: Eagle

Client Project ID: Hays Federal 31-8H5

Checklist Completed by: JG

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

Date/time completed: 7/6/12

Airbill #: N/A

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

Cooler Number/Temperature: 1, 2, 4 °C 1 °C 1 °C (Describe) °C

Thermometer ID: T003

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

Date/Time Reviewed: 7-7-12

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-01

7/6/2021 9:21:00AM

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

Origins Laboratory, Inc.
Y107093-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B1G0709	KDK	07/07/2021	07/07/2021	U
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Benzene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Naphthalene	ND	4.00	"	"	"	KDK	"	"	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130				"	"	"	
Surrogate: Toluene-d8	106 %	70-130				"	"	"	
Surrogate: 4-Bromofluorobenzene	76.1 %	70-130				"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

SB-06

7/6/2021 9:35:00AM

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

Origins Laboratory, Inc.
Y107093-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B1G0806	KDK	07/08/2021	07/08/2021	U
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Benzene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Naphthalene	ND	4.00	"	"	"	KDK	"	"	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130				"	"	"	
Surrogate: Toluene-d8	106 %	70-130				"	"	"	
Surrogate: 4-Bromofluorobenzene	75.6 %	70-130				"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0709 - EPA 5030B (Water)

Blank (B1G0709-BLK1)

Prepared: 07/07/2021 Analyzed: 07/07/2021

1,2,4-Trimethylbenzene	ND	1.00	ug/L							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	4.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	102		70-130			
Surrogate: Toluene-d8	68		"	62.5	109		70-130			
Surrogate: 4-Bromofluorobenzene	48		"	62.5	77.5		70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0709 - EPA 5030B (Water)

LCS (B1G0709-BS1)

Prepared: 07/07/2021 Analyzed: 07/07/2021

1,2,4-Trimethylbenzene	42.5	1.00	ug/L	50.0		84.9	70-130			
1,3,5-Trimethylbenzene	40.5	1.00	"	50.0		81.1	70-130			
Benzene	42.1	1.00	"	50.0		84.2	70-130			
Ethylbenzene	51.0	1.00	"	50.0		102	70-130			
m,p-Xylene	114	2.00	"	100		114	70-130			
Naphthalene	52.9	4.00	"	50.0		106	70-130			
o-Xylene	54.7	1.00	"	50.0		109	70-130			
Toluene	52.1	1.00	"	50.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	70		"	62.5		112	70-130			
Surrogate: Toluene-d8	67		"	62.5		107	70-130			
Surrogate: 4-Bromofluorobenzene	50		"	62.5		79.3	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0709 - EPA 5030B (Water)

Matrix Spike (B1G0709-MS1)	Source: Y107080-01			Prepared: 07/07/2021 Analyzed: 07/07/2021						
1,2,4-Trimethylbenzene	36.8	1.00	ug/L	50.0	0.470	72.7	70-130			
1,3,5-Trimethylbenzene	35.1	1.00	"	50.0	0.920	68.3	70-130			QM-07
Benzene	37.6	1.00	"	50.0	0.540	74.2	70-130			
Ethylbenzene	43.1	1.00	"	50.0	0.630	84.9	70-130			
m,p-Xylene	96.4	2.00	"	100	1.57	94.8	70-130			
Naphthalene	41.7	4.00	"	50.0	0.640	82.0	70-130			
o-Xylene	48.7	1.00	"	50.0	0.430	96.6	70-130			
Toluene	46.4	1.00	"	50.0	ND	92.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		107	70-130			
Surrogate: Toluene-d8	67		"	62.5		108	70-130			
Surrogate: 4-Bromofluorobenzene	50		"	62.5		80.2	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0709 - EPA 5030B (Water)

Matrix Spike Dup (B1G0709-MSD1)	Source: Y107080-01			Prepared: 07/07/2021 Analyzed: 07/07/2021						
1,2,4-Trimethylbenzene	37.9	1.00	ug/L	50.0	0.470	74.8	70-130	2.79	20	
1,3,5-Trimethylbenzene	35.4	1.00	"	50.0	0.920	68.9	70-130	0.851	20	QM-07
Benzene	38.1	1.00	"	50.0	0.540	75.1	70-130	1.16	20	
Ethylbenzene	44.8	1.00	"	50.0	0.630	88.3	70-130	3.94	20	
m,p-Xylene	101	2.00	"	100	1.57	99.8	70-130	5.03	20	
Naphthalene	46.1	4.00	"	50.0	0.640	90.9	70-130	10.1	20	
o-Xylene	50.0	1.00	"	50.0	0.430	99.2	70-130	2.63	20	
Toluene	46.3	1.00	"	50.0	ND	92.7	70-130	0.259	20	
Surrogate: 1,2-Dichloroethane-d4	68		"	62.5		109	70-130			
Surrogate: Toluene-d8	66		"	62.5		106	70-130			
Surrogate: 4-Bromofluorobenzene	49		"	62.5		79.1	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0806 - EPA 5030B (Water)

Blank (B1G0806-BLK1)

Prepared: 07/08/2021 Analyzed: 07/08/2021

1,2,4-Trimethylbenzene	ND	1.00	ug/L							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	4.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5	106		70-130			
Surrogate: Toluene-d8	62		"	62.5	99.9		70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5	89.4		70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0806 - EPA 5030B (Water)

LCS (B1G0806-BS1)

Prepared: 07/08/2021 Analyzed: 07/08/2021

1,2,4-Trimethylbenzene	46.5	1.00	ug/L	50.0		93.0	70-130			
1,3,5-Trimethylbenzene	43.7	1.00	"	50.0		87.4	70-130			
Benzene	45.2	1.00	"	50.0		90.4	70-130			
Ethylbenzene	45.7	1.00	"	50.0		91.4	70-130			
m,p-Xylene	90.9	2.00	"	100		90.9	70-130			
Naphthalene	53.5	4.00	"	50.0		107	70-130			
o-Xylene	48.9	1.00	"	50.0		97.9	70-130			
Toluene	45.6	1.00	"	50.0		91.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.1	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0806 - EPA 5030B (Water)

Matrix Spike (B1G0806-MS1)	Source: Y107093-02			Prepared: 07/08/2021 Analyzed: 07/08/2021						
1,2,4-Trimethylbenzene	108	1.00	ug/L	50.0	ND	216	70-130			QM-07
1,3,5-Trimethylbenzene	45.3	1.00	"	50.0	ND	90.7	70-130			
Benzene	54.2	1.00	"	50.0	ND	108	70-130			
Ethylbenzene	46.1	1.00	"	50.0	ND	92.2	70-130			
m,p-Xylene	93.6	2.00	"	100	ND	93.6	70-130			
Naphthalene	59.5	4.00	"	50.0	ND	119	70-130			
o-Xylene	49.9	1.00	"	50.0	ND	99.7	70-130			
Toluene	46.4	1.00	"	50.0	ND	92.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.1	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

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

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

Batch B1G0806 - EPA 5030B (Water)

Matrix Spike Dup (B1G0806-MSD1)	Source: Y107093-02			Prepared: 07/08/2021 Analyzed: 07/08/2021						
1,2,4-Trimethylbenzene	107	1.00	ug/L	50.0	ND	215	70-130	0.650	20	QM-07
1,3,5-Trimethylbenzene	45.1	1.00	"	50.0	ND	90.1	70-130	0.575	20	
Benzene	53.7	1.00	"	50.0	ND	107	70-130	0.834	20	
Ethylbenzene	46.4	1.00	"	50.0	ND	92.8	70-130	0.692	20	
m,p-Xylene	92.9	2.00	"	100	ND	92.9	70-130	0.762	20	
Naphthalene	58.6	4.00	"	50.0	ND	117	70-130	1.52	20	
o-Xylene	49.7	1.00	"	50.0	ND	99.4	70-130	0.281	20	
Toluene	45.7	1.00	"	50.0	ND	91.4	70-130	1.65	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

Notes and Definitions

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



July 19, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Hays Federal #31-8H5

Project Number - 815901675

Attached are your analytical results for Noble - Hays Federal #31-8H5 received by Origins Laboratory, Inc. July 09, 2021. This project is associated with Origins project number Y107208-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@0-2'	Y107208-01	Soil	June 30, 2021 10:58	07/09/2021 14:49

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

www.originslaboratory.com

4107208

page / of /

ORIGINS
 LABORATORY, INC

Client: Eagle Env. Consultancy, Inc.
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: (303) 433-0499
 Email Address: mce@eagle-env.com

Project Manager: Martin Eckert III
 Project Name: Hays Federal #31-8H5
 Project Number: -
 Samples Collected By: KP

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
<u>Background-01 00-21</u>	<u>6-30-21</u>	<u>1058</u>	<u>1</u>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>			<u>Silvered Peak Prop 1</u>
													<u>2</u>
													<u>3</u>
													<u>4</u>
													<u>5</u>
													<u>6</u>
													<u>7</u>
													<u>8</u>
													<u>9</u>
													<u>10</u>

Relinquished By: [Signature] Date: 7-9-21 Time: 1449
 Relinquished By: [Signature] Date: 7-9-21 Time: 1449
 Received By: J Merrill Date: 7-9-21 Time: 1449
 Received By: [Signature] Date: 7-9-21 Time: 1449
 Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr Standard

Bill to Job Temp Received: 4.9 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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: Y1107208

Client: Eagle/Noble
 Client Project ID: Hays Federal

Checklist Completed by: Jm

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

Date/time completed: 7-12-21

Airbill #: 1112

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

Water

Other:

Cooler Number/Temperature: 1 4.9 °C / °C / °C (Describe)

Thermometer ID: T003

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

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

Reviewed by (Project Manager): Jm

Date/Time Reviewed: 7-13-21

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: 815901675
 Project: Noble - Hays Federal #31-8H5

Background-01@0-2'
6/30/2021 10:58:00AM

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

Origins Laboratory, Inc.
Y107208-01 (Soil)

Metals by Saturated Paste

Calcium	2.16	0.0499	meq/L	1	[CALC]	CJM	07/14/2021	07/14/2021	
Magnesium	1.10	0.0823	"	"	"	CJM	"	"	
Sodium	0.458	0.0435	"	"	"	CJM	"	"	

SAR by 20B Saturated Paste

SAR	0.359		SAR	"	B1G1322	CJM	"	"	
-----	-------	--	-----	---	---------	-----	---	---	--

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

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

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: 815901675
Project: Noble - Hays Federal #31-8H5

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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