

Wellhead Closure Checklist

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

| | | | | | | |
|---|------------------------------|--|---|---------------------------------|----------------------------------|---|
| Additional attachments (optional): | | Pit Closure | | Tank Battery Closure 5-27-21 | Flowline Closure 6/18 + 6/23 | Partially Buried Vault Closure 5-27-21 |
| Site Name & COGCC Facility Number: North Platte 22-24 | | Date: 6-8-21 | | | | Remediation Project #: 17890 |
| Associated Wells: 1 05-123-25828 | | Age of Site: ~13 years - Spud 9/22/2008 | | | | Number of Photos Attached: 2 |
| Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 40.38647 / -104.38708 | | | | | Estimated Facility Size (acres): | |
| General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) Good Condition | | | | | | |
| USCS Soil Type: SM | | | Estimated Depth to Groundwater: ~15-20' | | | |
| Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed | | | | | | |
| Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed | | | | | | |
| Wellhead(s) | | | | | | |
| Well API | 05-123-25828 | | | | | |
| Age | ~13 years | | | | | |
| Condition of surface around wellhead | Good - Per Crew | | | | | |
| PID Readings | N/A - Excavated upon arrival | | | | | |
| Condition of subsurface (retaining reservoir) | Good - no slurring / no odor | | | | | |
| PID Readings | 4.5 | 2.2 | 1.8 | 3.6 | 6.1 | |
| Sample taken? Location/Sample ID# | LWH-SS-01 @ 3.5' | LWH-SS-02 @ 3.5' | LWH-SS-03 @ 3.5' | LWH-SS-04 @ 3.5' | LWH-SS-01 @ 3.5' | |
| Photo Number(s) | EAGLE provided 2 | | | | | |
| Other observations regarding wellheads: Flowline assessment @ later date | | | | | | |
| Summary | | | | | | |
| Was impacted soil identified? (No) Yes - less than 10 cubic yards Yes - more than 10 cubic yards | | | | | | |
| Total number of samples field screened: 5 | | | Total number of samples collected: 5 | | | |
| Highest PID Reading: 6.1 | | | Total number of samples submitted to lab for analysis: 1 | | | |
| If more than 10 cubic yards of impacted soil were observed: | | | | | | |
| Vertical extent: | | | Estimated spill volume: | | | |
| Lateral extent: N/A | | | Volume of soil removed: | | | |
| Is additional investigation required? | | | | | | |
| Was groundwater encountered during the investigation? (No) Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils | | | | | | |
| Measured depth to groundwater: | | | Was remedial groundwater removal conducted? Yes No | | | |
| Date Groundwater was encountered: | | | Commencement date of removal: | | | |
| Sheen on groundwater? Yes No | | | Volume of groundwater removed prior to sampling: | | | |
| Free product observed? Yes No | | | Volume of groundwater removed post sampling: | | | |
| Total number of samples collected: | | | Total Volume of groundwater removed: | | | |
| Total number of samples submitted to lab for analysis: | | | | | | |

Flowline Closure Checklist

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

| | | | | |
|--|---------------------------------|---|----------------------|--|
| Additional Attachments: | Tank Battery Closure 5-27-21 | Wellhead Closure 6-8-21 | Pit Closure | Partially Buried Vault Closure 5-27-21 |
| Site Name & COGCC Facility Number: <u>North Platte 22-24</u> | | Date: <u>6-18-21</u> + <u>6-23-21</u> | | Remediation Project #: <u>17890</u> |
| Associated Wells: <u>1</u> <u>05-123-25828</u> | | Age of Site: <u>~13 years</u> | | Number of Photos Attached: <u>5</u> |
| Starting point: (GPS coordinates and descriptions) <u>At Well: 40.386470 / -104.387080</u> | | | | |
| End point: (GPS coordinates and descriptions) <u>At Sep: 40.389268 / -104.388042</u> | | | | |
| USCS Soil Type: <u>Sm</u> | | Estimated Depth to Groundwater: <u>~15-20'</u> | | |
| Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) <u>None observed</u> | | | | |
| Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) <u>None observed</u> | | | | |
| Flowlines | | | | |
| Flowline type | <u>O, G, W</u> | | | |
| Depth | <u>~3-4'</u> | | | |
| Age | <u>~13 years</u> | | | |
| Length | <u>~1075</u> | | | |
| Construction Material | <u>Steel</u> | | | |
| Were flowlines pulled? | <u>Yes</u> | | | |
| Visual Integrity of lines | <u>Good</u> | | | |
| Visual impacts if trenched | <u>N/A - bellholed/pulled</u> | | | |
| PID Readings if trenched | <u>0.8</u> | <u>1.2</u> | <u>3.1</u> | <u>0.6</u> |
| Sample taken? Location/Sample ID# | <u>FL-SS-01 @ 3'</u> | <u>FL-SS-02 @ 3.5'</u> | <u>FL-SS-03 @ 4'</u> | <u>FL-SS-04 @ 3.5'</u> |
| Photo Number(s) | <u>ENGCC provided 5</u> | | | |
| Other observations regarding on location flowlines: <u>FL-SS-01 (lab submitted) collected in same location/in conjunction w/ NP 11-24 flowline (Rem. # 17834)</u> | | | | |
| Summary | | | | |
| Was impacted soil identified? <u>No</u> Yes - less than 10 cubic yards Yes - more than 10 cubic yards | | | | |
| Total number of samples field screened: <u>5</u> | | Total number of samples collected: <u>5</u> | | |
| Highest PID Reading: <u>3.1</u> | | Total number of samples submitted to lab for analysis: <u>1</u> | | |
| If more than 10 cubic yards of impacted soil were observed: | | | | |
| Vertical extent: | | Estimated spill volume: | | |
| Lateral extent: <u>N/A</u> | | Volume of soil removed: | | |
| Is additional investigation required? | | | | |
| Was groundwater encountered during the investigation? <u>No</u> Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils | | | | |
| Measured depth to groundwater: | | Was remedial groundwater removal conducted? Yes No | | |
| Date Groundwater was encountered: | | Commencement date of removal: | | |
| Sheen on groundwater? Yes No | | Volume of groundwater removed prior to sampling: | | |
| Free product observed? Yes No | | Volume of groundwater removed post sampling: | | |
| Total number of samples collected: | | Total Volume of groundwater removed: | | |
| Total number of samples submitted to lab for analysis: | | | | |



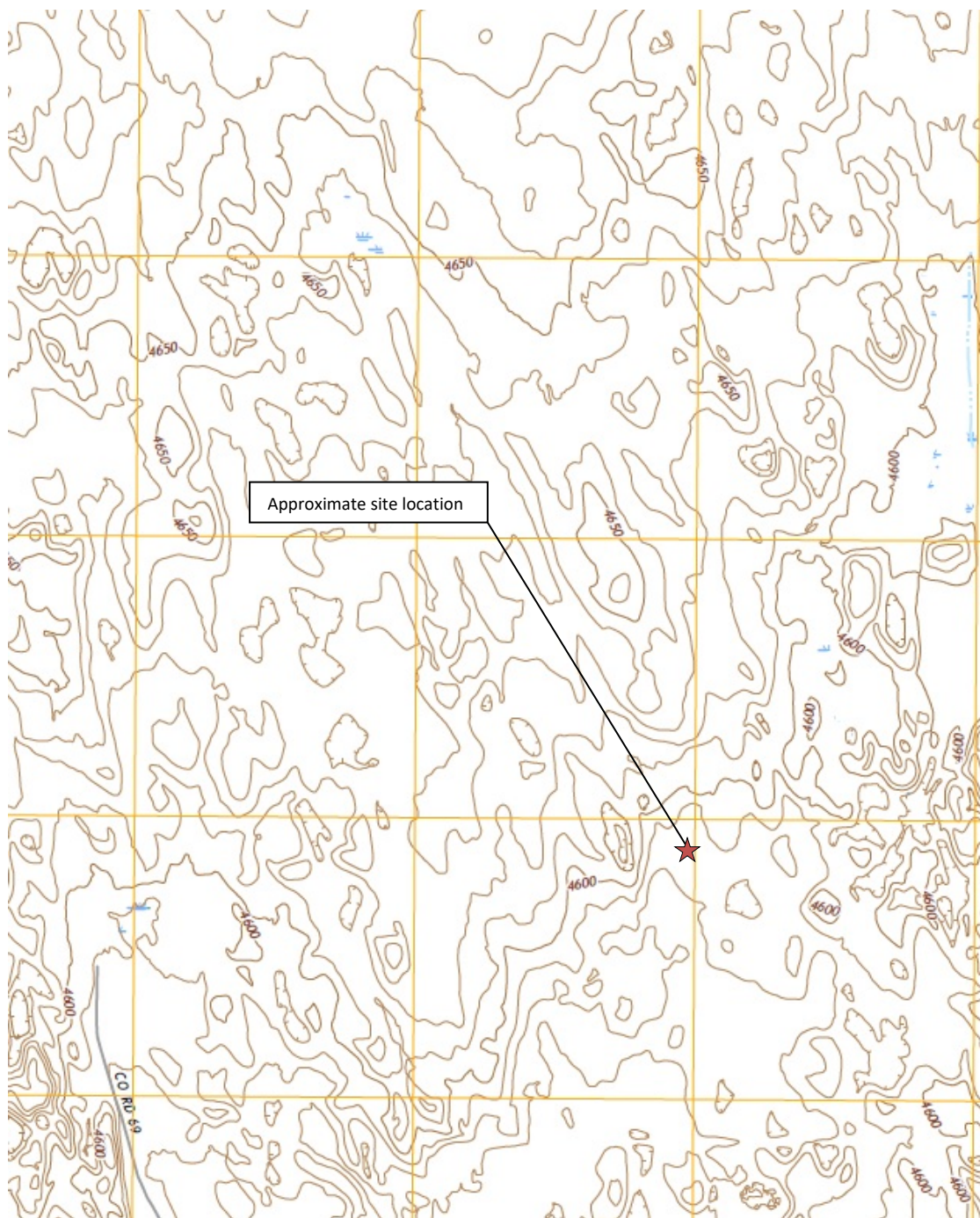
FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map



Topographic Site Location Map

North Platte 22-24
 Closure Assessment
 40.386470 / -104.387080
 SE¼ NW¼ SEC.24 T5N R63W 6PM
 Weld County, Colorado
 API # 05-123-25828
 Remediation # 17890



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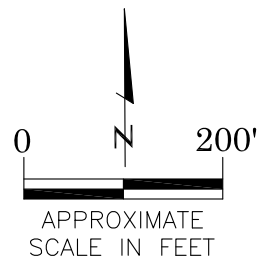
Source: USGS 7.5 Minute Topographic
 Map, Barnesville, CO Quadrangle 2019

Figure 1



LEGEND

- FORMER NORTH PLATTE 22-24 WELL HEAD (PLUGGED/ABANDONED)
- APPROXIMATE FLOW LINE LOCATION (REMOVED)
- ASSOCIATED SEPARATOR (DECOMMISSIONED)



AERIAL SITE LOCATION MAP
 NORTH PLATTE 22-24
 CLOSURE ASSESSMENT
 40.386470 / -104.387080
 SE¼ NW¼ SEC.24 T5N R63W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-25828
 REMEDIATION # 17890

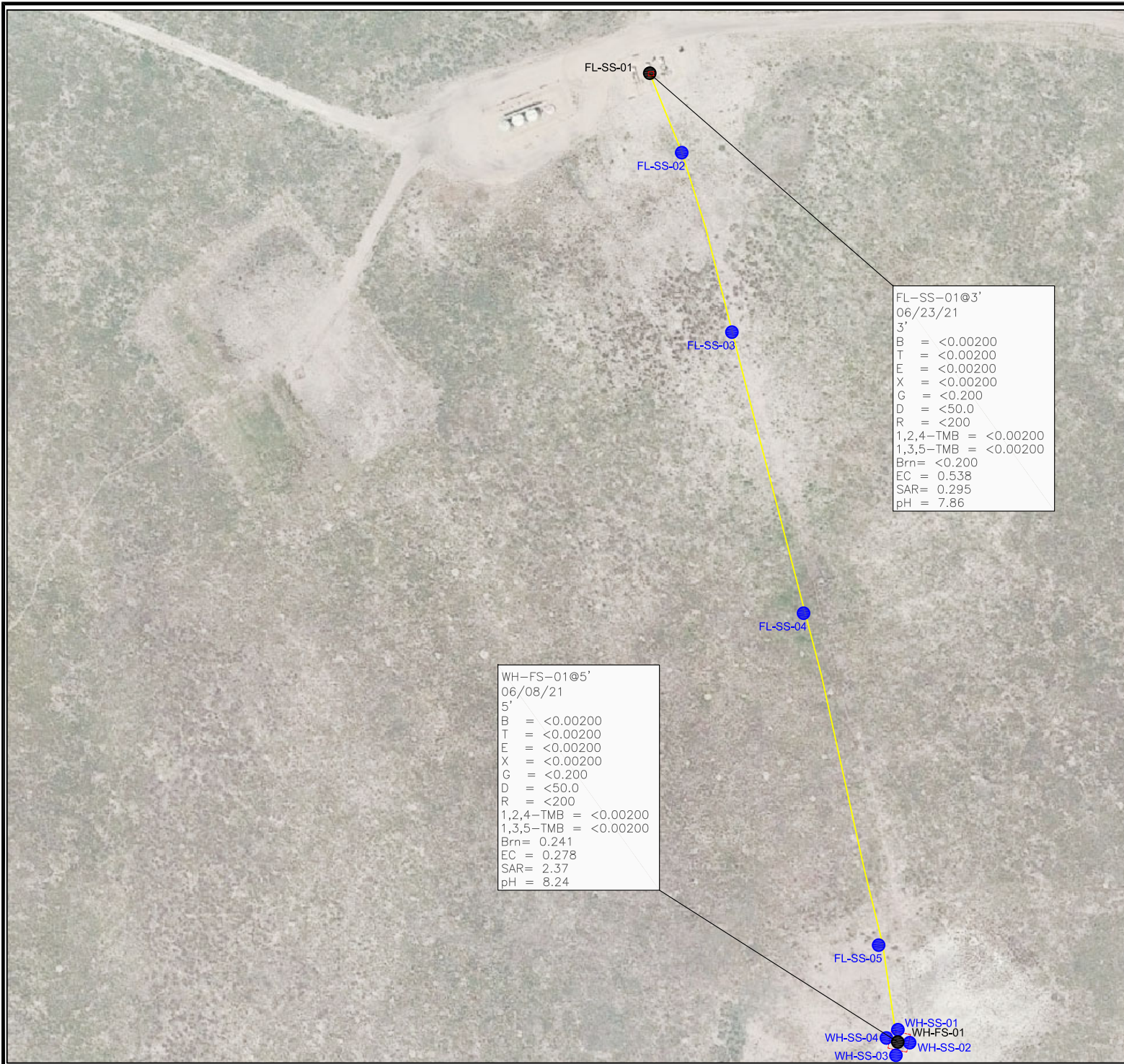
DATE:
 09/10/21

FIG. NO.
 2

DRAWN BY:
 AMN



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



LEGEND

- APPROXIMATE ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (ABANDONED)
- APPROXIMATE LOCATION OF SOIL SAMPLES
FIELD SCREENED, ONLY, WITH
PHOTOIONIZATION DETECTOR (PID)
- APPROXIMATE LOCATION OF SOIL SAMPLES
SUBMITTED FOR LABORATORY ANALYSIS

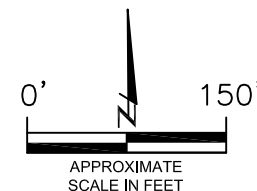
PARAMETERS

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

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

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

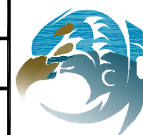


SOIL ANALYTICAL MAP
NORTH PLATTE 22-24
CLOSURE ASSESSMENT
40.386470 / -104.387080
SE 1/4 NW 1/4 SEC.24 T5N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-25828
REMEDATION # 17890

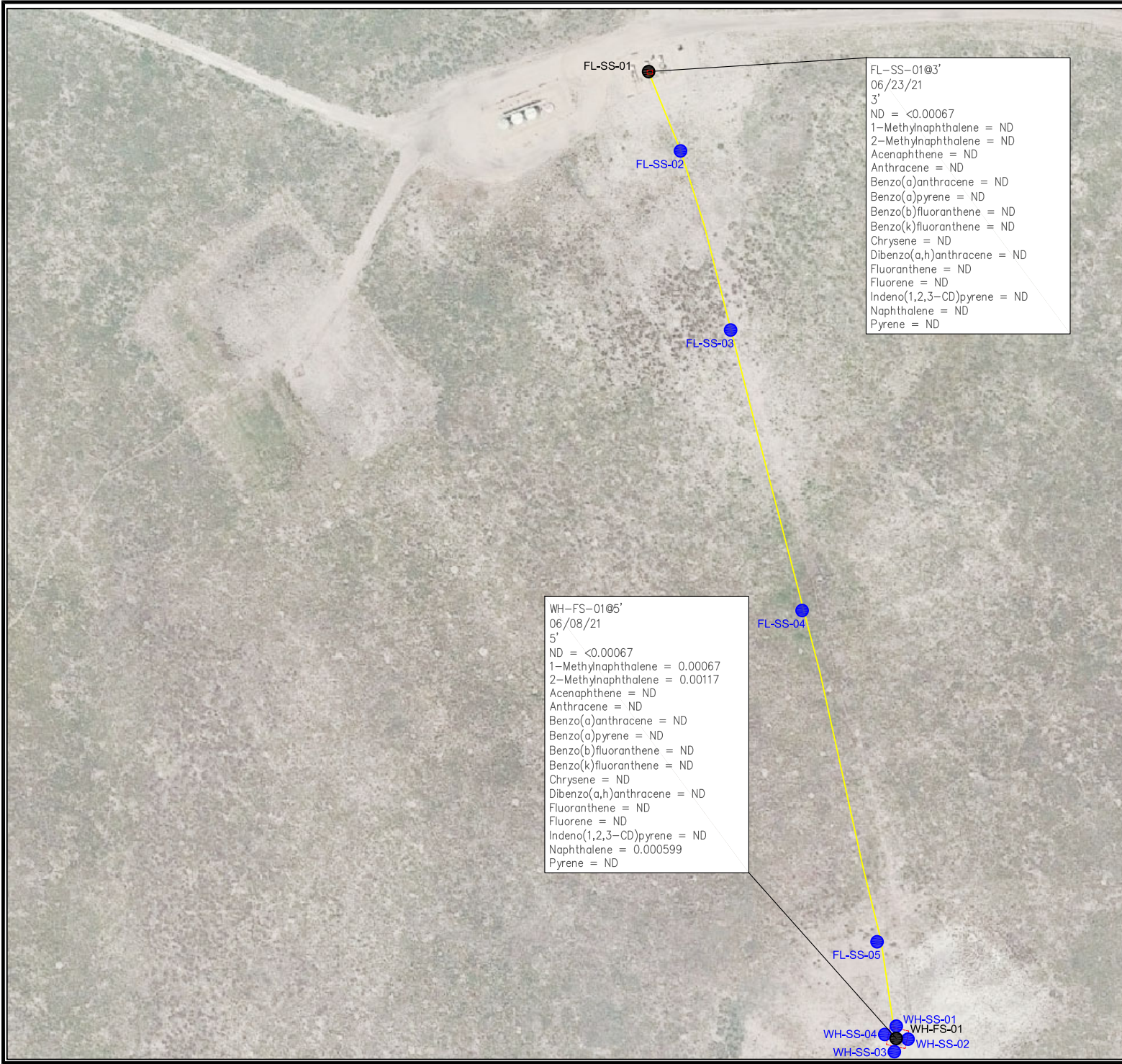
DATE:
09/10/21

DRAWN BY:
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FIG.
NO. 3



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FL-SS-01@3'
06/23/21
3'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

WH-FS-01@5'
06/08/21
5'
ND = <0.00067
1-Methylnaphthalene = 0.00067
2-Methylnaphthalene = 0.00117
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 = 0.000599
Pyrene = ND

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

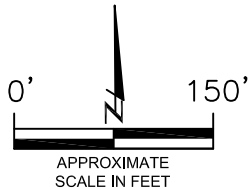
LEGEND

- APPROXIMATE ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (ABANDONED)
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR (PID)
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

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

NOTE:
CONCENTRATIONS PRESENTED IN mg/kg
mg/kg = MILLIGRAMS PER KILOGRAM
ND = NON-DETECT
NOTE:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY REPORTING LIMITS



POLYCYCLIC AROMATIC HYDROCARBONS MAP
NORTH PLATTE 22-24
CLOSURE ASSESSMENT
40.386470 / -104.387080
SE¼ NW¼ SEC.24 T5N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-25828
REMEDATION # 17890

DATE:
09/10/21
DRAWN BY:
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FIG.
NO. 4



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TABLES

Table 1: PID Reading Summary

Table 2: Soil Analytical Results Summary

Table 3: PAH Analytical Results Summary

TABLE 1
PID READING SUMMARY
NORTH PLATTE 22-24
CLOSURE ASSESSMENT
40.386470 / -104.387080
SE¼ NW¼ SEC.24 T5N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-25828
REMEDIATION # 17890

| Sample Location (Latitude/Longitude) | Date | Approximate Depth (feet) | PID Reading (ppm-v) | Lab Submission (Y/N) |
|--|----------|--|------------------------|-------------------------|
| WH-SS-01 @ 3.5' (40.386482 / -104.387104) | 06/08/21 | 3.5 | 4.5 | N |
| WH-SS-02 @ 3.5' (40.386462 / -104.387092) | 06/08/21 | 3.5 | 2.2 | N |
| WH-SS-03 @ 3.5' (40.386456 / -104.387115) | 06/08/21 | 3.5 | 1.8 | N |
| WH-SS-04 @ 3.5' (40.386473 / -104.387126) | 06/08/21 | 3.5 | 3.6 | N |
| WH-FS-01 @ 5' (40.386465 / -104.387108) | 06/08/21 | 5 | 6.1 | Y |
| *FL-SS-01 @ 3' (40.389268 / -104.388042) | 06/23/21 | 3 | 0.8 | Y |
| FL-SS-02 @ 3.5' (40.389023 / -104.387943) | 06/18/21 | 3.5 | 1.2 | N |
| FL-SS-03 @ 4' (40.388516 / -104.387773) | 06/18/21 | 4 | 3.1 | N |
| FL-SS-04 @ 3.5' (40.387553 / -104.387409) | 06/18/21 | 3.5 | 2.6 | N |
| FL-SS-05 @ 3' (40.386728 / -104.387154) | 06/18/21 | 3 | 0.9 | N |
| (Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector | | *Sample collected in same location/in-conjunction with flowline removal assessment associated with the North Platte 11-24 wellhead/flowline (Rem. # 17884) | | |

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
NORTH PLATTE 22-24
CLOSURE ASSESSMENT
40.386470 / -104.387080
SE¼ NW¼ SEC.24 T5N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-25828
REMEDATION # 17890

| 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 |
|--|----------|--------------------------------|------------------------|--------------------|--------------------|-------------------------|-----------------------------|--------------------|--------------------|--------------------|---------------------------------------|---------------------------------------|-----------------|---------------------------------------|------------------|--------------|
| COGCC Table 915-1 Residential Screening Levels | | | | 1.2 | 490 | 5.8 | 58 | 500 | | | 30 | 27 | 2 | <4 | 6-8.3 | <6 |
| COGCC Table 915-1 Protection of Groundwater Soil Screening Levels | | | | 0.0026 | 0.69 | 0.78 | 9.9 | -- | | | 0.0081 | 0.0087 | -- | -- | -- | -- |
| WH-FS-01 @ 5' (40.386465 / -104.387108) | 06/08/21 | 5 | 6.1 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.200 | <50.0 | <200 | <0.00200 | <0.00200 | 0.241 | 0.278 | 8.24 | 2.37 |
| FL-SS-01 @ 3' (40.389268 / -104.388042) | 06/23/21 | 3 | 0.8 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.200 | <50.0 | <200 | <0.00200 | <0.00200 | <0.200 | 0.538 | 7.86 | 0.295 |
| COGCC = Colorado Oil and Gas Conservation Commission mg/kg = milligrams per kilogram TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics 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 Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit. Note: Values presented in BOLD contained concentrations exceeding applicable COGCC Table 915-1 Regulatory Limits Note: Values presented with an asterisk (*) contained concentrations exceeding COGCC Table 915-1 Protection of Groundwater Soil Screening Levels | | | | | | | | | | | | | | | | |

TABLE 3
PAH ANALYTICAL RESULTS SUMMARY
NORTH PLATTE 22-24
CLOSURE ASSESSMENT
40.386470 / -104.387080
SE¼ NW¼ SEC.24 T5N R63W 6PM
WELD COUNTY, COLORADO
API # 05-123-25828
REMEDATION # 17890

| Sample Location (Latitude/Longitude) | Date | Approximate Depth (feet) | PID Reading | 1-Methyl- naphthalene (mg/kg) | 2-Methyl- naphthalene (mg/kg) | Acenaphthene (mg/kg) | Anthracene (mg/kg) | Benzo(a)- anthracene (mg/kg) | Benzo(a)-pyrene (mg/kg) | Benzo(b)- fluoranthene (mg/kg) | Benzo(k)- fluoranthene (mg/kg) | Chrysene (mg/kg) | Dibenzo(a,h)- anthracene (mg/kg) | Fluoranthene (mg/kg) | Fluorene (mg/kg) | Indeno(1,2,3- cd)-pyrene (mg/kg) | Naphthalene (mg/kg) | Pyrene (mg/kg) |
|---|----------|--------------------------------|----------------|-------------------------------------|-------------------------------------|-------------------------|-----------------------|------------------------------------|----------------------------|--------------------------------------|--------------------------------------|---------------------|--|-------------------------|---------------------|--|------------------------|-------------------|
| COGCC Table 915-1 Residential Screening Levels | | | | 18 | 24 | 360 | 1,800 | 1.1 | 0.11 | 1.1 | 11 | 110 | 0.11 | 240 | 240 | 1.1 | 2 | 180 |
| COGCC Table 915-1 Protection of Groundwater Soil Screening Levels | | | | 0.006 | 0.019 | 0.55 | 5.8 | 0.011 | 0.24 | 0.3 | 2.9 | 9 | 0.096 | 8.9 | 0.54 | 0.98 | 0.0038 | 1.3 |
| WH-FS-01 @ 5' (40.386465 / -104.387108) | 06/08/21 | 5 | 6.1 | 0.00067 | 0.00117 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | 0.000599 | <0.00067 |
| FL-SS-01 @ 3' (40.389268 / -104.388042) | 06/23/21 | 3 | 0.8 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 |
| COGCC = Colorado Oil and Gas Conservation Commission mg/kg = milligrams per kilogram PID = Photoionization Detector Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit. Note: Values presented in BOLD contained concentrations exceeding applicable COGCC Table 915-1 Regulatory Limits Note: Values presented with an asterisk (*) contained concentrations exceeding COGCC Table 915-1 Protection of Groundwater Soil Screening Levels | | | | | | | | | | | | | | | | | | |



ATTACHMENT A

Photo Log

North Platte 22-24

API # 05-123-25828

Remediation # 17890

Closure Assessment

June 2021



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



Well Head Decommissioning Assessment / Sampling – 06/08/21



Looking northwest
No petroleum hydrocarbon staining or odor observed
Samples collected:
WH-SS-01@3.5' – 4.5 ppm-v
WH-SS-04@3.5' – 3.6 ppm-v
WH-FS-01@5' – 6.1 ppm-v



Looking southeast
No petroleum hydrocarbon staining or odor observed
Samples collected:
WH-SS-02@3.5' – 2.2 ppm-v
WH-SS-03@3.5' – 1.8 ppm-v

Flowline Assessment / Sampling – 06/18/21 & 06/23/21



Flowline removal
Bellholed/pulled prior to assessment
No petroleum hydrocarbon staining or odor observed
Screening sample collected: FL-SS-02 @ 3.5' = 1.2 ppm-v



Flowline removal
Bellholed/pulled prior to assessment
No petroleum hydrocarbon staining or odor observed
Screening sample collected: FL-SS-03 @ 4' = 3.1 ppm-v

Flowline Assessment / Sampling – 06/18/21 & 06/23/21



Flowline removal
Bellholed/pulled prior to assessment
No petroleum hydrocarbon staining or odor observed
Screening sample collected: FL-SS-04 @ 3.5' = 2.6 ppm-v



Flowline removal
Bellholed/pulled prior to assessment
No petroleum hydrocarbon staining or odor observed
Screening sample collected: FL-SS-05 @ 3' = 0.9 ppm-v

Flowline Assessment / Sampling – 06/18/21 & 06/23/21



Flowline removal
Bellholed/pulled prior to assessment
No petroleum hydrocarbon staining or odor observed
Confirmation sample at terminus: FL-SS-01 @ 3' = 0.8 ppm-v



ATTACHMENT B

Laboratory Analytical Reports



June 17, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Bonanza - North Platte 22-24
WH/Flowline Decommiss**

Project Number - 310066

Attached are your analytical results for Bonanza - North Platte 22-24 WH/Flowline Decommiss received by Origins Laboratory, Inc. June 09, 2021. This project is associated with Origins project number Y106174-01.

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: 310066

Project: Bonanza - North Platte 22-24

WH/Flowline Decommiss

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|--------------------|------------------|
| WH-FS-01@5' | Y106174-01 | Soil | June 8, 2021 12:28 | 06/09/2021 07:07 |

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: 310066
Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

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4100174

ORIGINS
LABORATORY, INC

page (of)

Client: EAGLE ENV. CONSULTING
Address: 8000 W 44TH AVE
WHEAT RIDGE, CO
Telephone Number: 303-433-0474
Email Address: MCE@EAGLE-ENVIRONMENTAL.COM

Project Manager: MARTIN ECKERT III
Project Name: NORTH PLATTE 22-24
Project Number: _____
Samples Collected By: KE

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 | | |
| WH-F401 C 5' | 6-8-21 | 1228 | 3 | X | | | | X | | EL-4050A EL-4050B EL-4050C EL-4050D EL-4050E EL-4050F EL-4050G EL-4050H EL-4050I EL-4050J EL-4050K EL-4050L EL-4050M EL-4050N EL-4050O EL-4050P EL-4050Q EL-4050R EL-4050S EL-4050T EL-4050U EL-4050V EL-4050W EL-4050X EL-4050Y EL-4050Z EL-4050AA EL-4050AB EL-4050AC EL-4050AD EL-4050AE EL-4050AF EL-4050AG EL-4050AH EL-4050AI EL-4050AJ EL-4050AK EL-4050AL EL-4050AM EL-4050AN EL-4050AO EL-4050AP EL-4050AQ EL-4050AR EL-4050AS EL-4050AT EL-4050AU EL-4050AV EL-4050AW EL-4050AX EL-4050AY EL-4050AZ EL-4050BA EL-4050BB EL-4050BC EL-4050BD EL-4050BE EL-4050BF EL-4050BG EL-4050BH EL-4050BI EL-4050BJ EL-4050BK EL-4050BL EL-4050BM EL-4050BN EL-4050BO EL-4050BP EL-4050BQ EL-4050BR EL-4050BS EL-4050BT EL-4050BU EL-4050BV EL-4050BW EL-4050BX EL-4050BY EL-4050BZ EL-4050CA EL-4050CB EL-4050CC EL-4050CD EL-4050CE EL-4050CF EL-4050CG EL-4050CH EL-4050CI EL-4050CJ EL-4050CK EL-4050CL EL-4050CM EL-4050CN EL-4050CO EL-4050CP EL-4050CQ EL-4050CR EL-4050CS EL-4050CT EL-4050CU EL-4050CV EL-4050CW EL-4050CX EL-4050CY EL-4050CZ EL-4050DA EL-4050DB EL-4050DC EL-4050DD EL-4050DE EL-4050DF EL-4050DG EL-4050DH EL-4050DI EL-4050DJ EL-4050DK EL-4050DL EL-4050DM EL-4050DN EL-4050DO EL-4050DP EL-4050DQ EL-4050DR EL-4050DS EL-4050DT EL-4050DU EL-4050DV EL-4050DW EL-4050DX EL-4050DY EL-4050DZ EL-4050EA EL-4050EB EL-4050EC EL-4050ED EL-4050EE EL-4050EF EL-4050EG EL-4050EH EL-4050EI EL-4050EJ EL-4050EK EL-4050EL EL-4050EM EL-4050EN EL-4050EO EL-4050EP EL-4050EQ EL-4050ER EL-4050ES EL-4050ET EL-4050EU EL-4050EV EL-4050EW EL-4050EX EL-4050EY EL-4050EZ EL-4050FA EL-4050FB EL-4050FC EL-4050FD EL-4050FE EL-4050FF EL-4050FG EL-4050FH EL-4050FI EL-4050FJ EL-4050FK EL-4050FL EL-4050FM EL-4050FN EL-4050FO EL-4050FP EL-4050FQ EL-4050FR EL-4050FS EL-4050FT EL-4050FU EL-4050FV EL-4050FW EL-4050FX EL-4050FY EL-4050FZ EL-4050GA EL-4050GB EL-4050GC EL-4050GD EL-4050GE EL-4050GF EL-4050GG EL-4050GH EL-4050GI EL-4050GJ EL-4050GK EL-4050GL EL-4050GM EL-4050GN EL-4050GO EL-4050GP EL-4050GQ EL-4050GR EL-4050GS EL-4050GT EL-4050GU EL-4050GV EL-4050GW EL-4050GX EL-4050GY EL-4050GZ EL-4050HA EL-4050HB EL-4050HC EL-4050HD EL-4050HE EL-4050HF EL-4050HG EL-4050HH EL-4050HI EL-4050HJ EL-4050HK EL-4050HL EL-4050HM EL-4050HN EL-4050HO EL-4050HP EL-4050HQ EL-4050HR EL-4050HS EL-4050HT EL-4050HU EL-4050HV EL-4050HW EL-4050HX EL-4050HY EL-4050HZ EL-4050IA EL-4050IB EL-4050IC EL-4050ID EL-4050IE EL-4050IF EL-4050IG EL-4050IH EL-4050II EL-4050IJ EL-4050IK EL-4050IL EL-4050IM EL-4050IN EL-4050IO EL-4050IP EL-4050IQ EL-4050IR EL-4050IS EL-4050IT EL-4050IU EL-4050IV EL-4050IW EL-4050IX EL-4050IY EL-4050IZ EL-4050JA EL-4050JB EL-4050JC EL-4050JD EL-4050JE EL-4050JF EL-4050JG EL-4050JH EL-4050JI EL-4050JJ EL-4050JK EL-4050JL EL-4050JM EL-4050JN EL-4050JO EL-4050JP EL-4050JQ EL-4050JR EL-4050JS EL-4050JT EL-4050JU EL-4050JV EL-4050JW EL-4050JX EL-4050JY EL-4050JZ EL-4050KA EL-4050KB EL-4050KC EL-4050KD EL-4050KE EL-4050KF EL-4050KG EL-4050KH EL-4050KI EL-4050KJ EL-4050KK EL-4050KL EL-4050KM EL-4050KN EL-4050KO EL-4050KP EL-4050KQ EL-4050KR EL-4050KS EL-4050KT EL-4050KU EL-4050KV EL-4050KW EL-4050KX EL-4050KY EL-4050KZ EL-4050LA EL-4050LB EL-4050LC EL-4050LD EL-4050LE EL-4050LF EL-4050LG EL-4050LH EL-4050LI EL-4050LJ EL-4050LK EL-4050LL EL-4050LM EL-4050LN EL-4050LO EL-4050LP EL-4050LQ EL-4050LR EL-4050LS EL-4050LT EL-4050LU EL-4050LV EL-4050LW EL-4050LX EL-4050LY EL-4050LZ EL-4050MA EL-4050MB EL-4050MC EL-4050MD EL-4050ME EL-4050MF EL-4050MG EL-4050MH EL-4050MI EL-4050MJ EL-4050MK EL-4050ML EL-4050MM EL-4050MN EL-4050MO EL-4050MP EL-4050MQ EL-4050MR EL-4050MS EL-4050MT EL-4050MU EL-4050MV EL-4050MW EL-4050MX EL-4050MY EL-4050MZ EL-4050NA EL-4050NB EL-4050NC EL-4050ND EL-4050NE EL-4050NF EL-4050NG EL-4050NH EL-4050NI EL-4050NJ EL-4050NK EL-4050NL EL-4050NM EL-4050NO EL-4050NP EL-4050NQ EL-4050NR EL-4050NS EL-4050NT EL-4050NU EL-4050NV EL-4050NW EL-4050NX EL-4050NY EL-4050NZ EL-4050OA EL-4050OB EL-4050OC EL-4050OD EL-4050OE EL-4050OF EL-4050OG EL-4050OH EL-4050OI EL-4050OJ EL-4050OK EL-4050OL EL-4050OM EL-4050ON EL-4050OO EL-4050OP EL-4050OQ EL-4050OR EL-4050OS EL-4050OT EL-4050OU EL-4050OV EL-4050OW EL-4050OX EL-4050OY EL-4050OZ EL-4050PA EL-4050PB EL-4050PC EL-4050PD EL-4050PE EL-4050PF EL-4050PG EL-4050PH EL-4050PI EL-4050PJ EL-4050PK EL-4050PL EL-4050PM EL-4050PN EL-4050PO EL-4050PP EL-4050PQ EL-4050PR EL-4050PS EL-4050PT EL-4050PU EL-4050PV EL-4050PW EL-4050PX EL-4050PY EL-4050PZ EL-4050QA EL-4050QB EL-4050QC EL-4050QD EL-4050QE EL-4050QF EL-4050QG EL-4050QH EL-4050QI EL-4050QJ EL-4050QK EL-4050QL EL-4050QM EL-4050QN EL-4050QO EL-4050QP EL-4050QQ EL-4050QR EL-4050QS EL-4050QT EL-4050QU EL-4050QV EL-4050QW EL-4050QX EL-4050QY EL-4050QZ EL-4050RA EL-4050RB EL-4050RC EL-4050RD EL-4050RE EL-4050RF EL-4050RG EL-4050RH EL-4050RI EL-4050RJ EL-4050RK EL-4050RL EL-4050RM EL-4050RN EL-4050RO EL-4050RP EL-4050RQ EL-4050RR EL-4050RS EL-4050RT EL-4050RU EL-4050RV EL-4050RW EL-4050RX EL-4050RY EL-4050RZ EL-4050SA EL-4050SB EL-4050SC EL-4050SD EL-4050SE EL-4050SF EL-4050SG EL-4050SH EL-4050SI EL-4050SJ EL-4050SK EL-4050SL EL-4050SM EL-4050SN EL-4050SO EL-4050SP EL-4050SQ EL-4050SR EL-4050SS EL-4050ST EL-4050SU EL-4050SV EL-4050SW EL-4050SX EL-4050SY EL-4050SZ EL-4050TA EL-4050TB EL-4050TC EL-4050TD EL-4050TE EL-4050TF EL-4050TG EL-4050TH EL-4050TI EL-4050TJ EL-4050TK EL-4050TL EL-4050TM EL-4050TN EL-4050TO EL-4050TP EL-4050TQ EL-4050TR EL-4050TS EL-4050TT EL-4050TU EL-4050TV EL-4050TW EL-4050TX EL-4050TY EL-4050TZ EL-4050UA EL-4050UB EL-4050UC EL-4050UD EL-4050UE EL-4050UF EL-4050UG EL-4050UH EL-4050UI EL-4050UJ EL-4050UK EL-4050UL EL-4050UM EL-4050UN EL-4050UO EL-4050UP EL-4050UQ EL-4050UR EL-4050US EL-4050UT EL-4050UU EL-4050UV EL-4050UW EL-4050UX EL-4050UY EL-4050UZ EL-4050VA EL-4050VB EL-4050VC EL-4050VD EL-4050VE EL-4050VF EL-4050VG EL-4050VH EL-4050VI EL-4050VJ EL-4050VK EL-4050VL EL-4050VM EL-4050VN EL-4050VO EL-4050VP EL-4050VQ EL-4050VR EL-4050VS EL-4050VT EL-4050VU EL-4050VV EL-4050VW EL-4050VX EL-4050VY EL-4050VZ EL-4050WA EL-4050WB EL-4050WC EL-4050WD EL-4050WE EL-4050WF EL-4050WG EL-4050WH EL-4050WI EL-4050WJ EL-4050WK EL-4050WL EL-4050WM EL-4050WN EL-4050WO EL-4050WP EL-4050WQ EL-4050WR EL-4050WS EL-4050WT EL-4050WU EL-4050WV EL-4050WW EL-4050WX EL-4050WY EL-4050WZ EL-4050XA EL-4050XB EL-4050XC EL-4050XD EL-4050XE EL-4050XF EL-4050XG EL-4050XH EL-4050XI EL-4050XJ EL-4050XK EL-4050XL EL-4050XM EL-4050XN EL-4050XO EL-4050XP EL-4050XQ EL-4050XR EL-4050XS EL-4050XT EL-4050XU EL-4050XV EL-4050XW EL-4050XX EL-4050XY EL-4050XZ EL-4050YA EL-4050YB EL-4050YC EL-4050YD EL-4050YE EL-4050YF EL-4050YG EL-4050YH EL-4050YI EL-4050YJ EL-4050YK EL-4050YL EL-4050YM EL-4050YN EL-4050YO EL-4050YP EL-4050YQ EL-4050YR EL-4050YS EL-4050YT EL-4050YU EL-4050YV EL-4050YW EL-4050YX EL-4050YY EL-4050YZ EL-4050ZA EL-4050ZB EL-4050ZC EL-4050ZD EL-4050ZE EL-4050ZF EL-4050ZG EL-4050ZH EL-4050ZI EL-4050ZJ EL-4050ZK EL-4050ZL EL-4050ZM EL-4050ZN EL-4050ZO EL-4050ZP EL-4050ZQ EL-4050ZR EL-4050ZS EL-4050ZT EL-4050ZU EL-4050ZV EL-4050ZW EL-4050ZX EL-4050ZY EL-4050ZZ | |

Relinquished By: [Signature] Date: 6-9-21 Time: 0707
Relinquished By: [Signature] Date: 6-9-21 Time: 0707

Turnaround Time: ☐ 24 Hr ☐ 48 Hr ☒ Standard

Date Results Needed: 6-9-21 Temp Received: 14

* Bill to LUCE

Origins Laboratory, Inc.

Jordan A. Merrill

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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: 310066

Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: Y100674

Client: Eagle/Bonanza
Client Project ID: North Platte 22-24

Checklist Completed by: Jm

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

Date/time completed: 6/19/21

Airbill #: N/A

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

☐ Water

☐ Other:

Cooler Number/Temperature: 114 °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) Jm

6-10-21
Date/Time Reviewed

Origins Laboratory, Inc.

Jm

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

Martin C Eckert III
Project Number: 310066
Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

WH-FS-01@5'
6/8/2021 12:28:00PM

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

Origins Laboratory, Inc.
Y106174-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.241 | 0.100 | mg/L | 1 | B1F0921 | ZZZ | 06/09/2021 | 06/09/2021 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 50.0 | mg/kg | 1 | B1F0911 | TEM | 06/09/2021 | 06/10/2021 | U |
| Residual Range Organics (C28-C40) | ND | 200 | " | " | " | TEM | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 73.0 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B1F0805 | KDK | 06/08/2021 | 06/10/2021 | 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 | 78.7 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 102 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste

Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: 310066
Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

WH-FS-01@5'

6/8/2021 12:28:00PM

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

Origins Laboratory, Inc.
Y106174-01 (Soil)

Metals by Saturated Paste

| | | | | | | | | | |
|-----------|-------|--|-------|---|--------|-----|------------|------------|--|
| Calcium | 0.577 | | meq/L | 1 | [CALC] | CJM | 06/10/2021 | 06/11/2021 | |
| Magnesium | 0.288 | | " | " | " | CJM | " | " | |
| Sodium | 1.56 | | " | " | " | CJM | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|------------------------|----------|---------|-------|---|---------|--|------------|------------|---|
| 1-Methylnaphthalene | 0.00067 | 0.00067 | mg/Kg | 1 | L557994 | | 06/11/2021 | 06/11/2021 | |
| 2-Methylnaphthalene | 0.00117 | 0.00067 | " | " | " | | " | " | |
| Acenaphthene | ND | 0.00067 | " | " | " | | " | " | |
| Anthracene | ND | 0.00067 | " | " | " | | " | " | |
| Benzo(a)anthracene | ND | 0.00067 | " | " | " | | " | " | |
| Benzo(a)pyrene | ND | 0.00067 | " | " | " | | " | " | |
| Benzo(b)fluoranthene | ND | 0.00067 | " | " | " | | " | " | |
| 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 | 0.000599 | 0.00067 | " | " | " | | " | " | J |
| Pyrene | ND | 0.00067 | " | " | " | | " | " | |

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Martin C Eckert III
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Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

WH-FS-01@5'

6/8/2021 12:28:00PM

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

Waypoint Analytical, Inc.
Y106174-01 (Soil)

PAH by 8270D SIM

| | | | | | | | |
|-----------------------------|--------|--------|--|--|-------------|------------|------------|
| Surrogate: 2-Fluorobiphenyl | 65.7 % | 33-115 | | | L5579 94 | 06/11/2021 | 06/11/2021 |
| Surrogate: 4-Terphenyl-d14 | 63.9 % | 33-122 | | | " | " | " |
| Surrogate: Nitrobenzene-d5 | 48.5 % | 29-110 | | | " | " | " |

pH in Soil by EPA 9045D

| | | | | | | | |
|----|------|----------|---|---------|-----|------------|------------|
| pH | 8.24 | pH Units | 1 | B1F1022 | DJL | 06/10/2021 | 06/16/2021 |
|----|------|----------|---|---------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|-----|---|---------|-----|------------|------------|
| SAR | 2.37 | SAR | 1 | B1F1024 | CJM | 06/10/2021 | 06/11/2021 |
|-----|------|-----|---|---------|-----|------------|------------|

Specific Conductance by Modified 9050A

| | | | | | | | |
|---------------------------|-------|------------------|---|---------|-----|------------|------------|
| Specific Conductance (EC) | 0.278 | 0.00500 mmhos/cm | 1 | B1F1023 | DJL | 06/10/2021 | 06/15/2021 |
|---------------------------|-------|------------------|---|---------|-----|------------|------------|

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Martin C Eckert III
Project Number: 310066
Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

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 B1F0805 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B1F0805-BLK1) | | | | | Prepared: 06/08/2021 Analyzed: 06/10/2021 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| Naphthalene | ND | 0.0100 | " | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 96.7 | 70-130 | | | |

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

Martin C Eckert III
Project Number: 310066
Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

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 B1F0805 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B1F0805-BS1) | | | | | Prepared: 06/08/2021 Analyzed: 06/10/2021 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0502 | 0.00200 | mg/kg | 0.0500 | | 100 | 70-130 | | | |
| Naphthalene | 0.0516 | 0.0100 | " | 0.0500 | | 103 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0500 | 0.00200 | " | 0.0500 | | 99.9 | 70-130 | | | |
| Benzene | 0.0427 | 0.00200 | " | 0.0500 | | 85.4 | 70-130 | | | |
| Ethylbenzene | 0.0465 | 0.00200 | " | 0.0500 | | 93.0 | 70-130 | | | |
| m,p-Xylene | 0.0992 | 0.00400 | " | 0.100 | | 99.2 | 70-130 | | | |
| o-Xylene | 0.0517 | 0.00200 | " | 0.0500 | | 103 | 70-130 | | | |
| Toluene | 0.0447 | 0.00200 | " | 0.0500 | | 89.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 99.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 96.5 | 70-130 | | | |

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Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch B1F0805 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike (B1F0805-MS1) | | Source: Y106154-06 | | | Prepared: 06/08/2021 Analyzed: 06/10/2021 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0495 | 0.00200 | mg/kg | 0.0500 | ND | 99.0 | 70-130 | | | |
| Naphthalene | 0.0475 | 0.0100 | " | 0.0500 | 0.000840 | 93.2 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0493 | 0.00200 | " | 0.0500 | ND | 98.6 | 70-130 | | | |
| Benzene | 0.0485 | 0.00200 | " | 0.0500 | ND | 97.0 | 70-130 | | | |
| Ethylbenzene | 0.0493 | 0.00200 | " | 0.0500 | ND | 98.6 | 70-130 | | | |
| m,p-Xylene | 0.100 | 0.00400 | " | 0.100 | 0.00192 | 98.3 | 70-130 | | | |
| o-Xylene | 0.0489 | 0.00200 | " | 0.0500 | ND | 97.7 | 70-130 | | | |
| Toluene | 0.0481 | 0.00200 | " | 0.0500 | ND | 96.2 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 97.5 | 70-130 | | | |

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Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

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 B1F0805 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike Dup (B1F0805-MSD1) | | | | | | | | | | |
| | | Source: Y106154-06 | | | | | | | | |
| | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 0.0542 | 0.00200 | mg/kg | 0.0500 | ND | 108 | 70-130 | 9.14 | 20 | |
| Naphthalene | 0.0550 | 0.0100 | " | 0.0500 | 0.000840 | 108 | 70-130 | 14.7 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0542 | 0.00200 | " | 0.0500 | ND | 108 | 70-130 | 9.43 | 20 | |
| Benzene | 0.0525 | 0.00200 | " | 0.0500 | ND | 105 | 70-130 | 8.00 | 20 | |
| Ethylbenzene | 0.0529 | 0.00200 | " | 0.0500 | ND | 106 | 70-130 | 7.08 | 20 | |
| m,p-Xylene | 0.108 | 0.00400 | " | 0.100 | 0.00192 | 106 | 70-130 | 7.77 | 20 | |
| o-Xylene | 0.0528 | 0.00200 | " | 0.0500 | ND | 106 | 70-130 | 7.75 | 20 | |
| Toluene | 0.0512 | 0.00200 | " | 0.0500 | ND | 102 | 70-130 | 6.24 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 97.3 | 70-130 | | | |

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Project: Bonanza - North Platte 22-24

WH/Flowline Decommiss

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 B1F0911 - EPA 3550B | | | | | | | | | | |
| Blank (B1F0911-BLK1) | | | | | Prepared: 06/09/2021 Analyzed: 06/09/2021 | | | | | |
| Diesel (C10-C28) | ND | 50.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 200 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 43 | | " | 50.0 | | 86.9 | 50-150 | | | |

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Project: Bonanza - North Platte 22-24

WH/Flowline Decommiss

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 B1F0911 - EPA 3550B

LCS (B1F0911-BS1)

Prepared: 06/09/2021 Analyzed: 06/09/2021

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 809 | 50.0 | mg/kg | 1000 | | 80.9 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 941 | 200 | " | 1000 | | 94.1 | 70-130 | | | |
| Surrogate: o-Terphenyl | 46 | | " | 50.0 | | 92.5 | 50-150 | | | |

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Martin C Eckert III

Project Number: 310066

Project: Bonanza - North Platte 22-24

WH/Flowline Decommiss

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 B1F0911 - EPA 3550B

| Matrix Spike (B1F0911-MS1) | | Source: Y106177-01 | | | Prepared: 06/09/2021 Analyzed: 06/09/2021 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 787 | 50.0 | mg/kg | 1000 | ND | 78.7 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 887 | 200 | " | 1000 | 50.4 | 83.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 44 | | " | 50.0 | | 87.9 | 50-150 | | | |

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Project: Bonanza - North Platte 22-24

WH/Flowline Decommiss

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 B1F0911 - EPA 3550B

| Matrix Spike Dup (B1F0911-MSD1) | | Source: Y106177-01 | | | Prepared: 06/09/2021 Analyzed: 06/09/2021 | | | | | |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|------|----|--|
| Diesel (C10-C28) | 902 | 50.0 | mg/kg | 1000 | ND | 90.2 | 70-130 | 13.6 | 35 | |
| Residual Range Organics (C28-C40) | 1070 | 200 | " | 1000 | 50.4 | 102 | 70-130 | 18.4 | 35 | |
| Surrogate: o-Terphenyl | 52 | | " | 50.0 | | 103 | 50-150 | | | |

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Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

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

Saturated Paste - Quality Control

Origins Laboratory, Inc.

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

Batch B1F1022 - NO PREP

Duplicate (B1F1022-DUP1)

Source: Y106174-01

Prepared: 06/10/2021 Analyzed: 06/16/2021

| | | | | | | | |
|----|------|--|----------|------|--|------|----|
| pH | 8.04 | | pH Units | 8.24 | | 2.55 | 25 |
|----|------|--|----------|------|--|------|----|

Batch B1F1023 - NO PREP

Blank (B1F1023-BLK1)

Prepared: 06/10/2021 Analyzed: 06/15/2021

| | | | |
|---------------------------|---------|---------|----------|
| Specific Conductance (EC) | 0.00120 | 0.00500 | mmhos/cm |
|---------------------------|---------|---------|----------|

Duplicate (B1F1023-DUP1)

Source: Y106174-01

Prepared: 06/10/2021 Analyzed: 06/15/2021

| | | | | | | | |
|---------------------------|-------|---------|----------|-------|--|------|----|
| Specific Conductance (EC) | 0.288 | 0.00500 | mmhos/cm | 0.278 | | 3.71 | 25 |
|---------------------------|-------|---------|----------|-------|--|------|----|

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WH/Flowline Decommiss

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 L557994 - 3550B

| MSD (L 93801-MSD-L557994) | | Source: 93801 | | | Prepared: 06/11/2021 Analyzed: 06/11/2021 | | | | | |
|-----------------------------|--------|---------------|-------|-------|---|------|--------|------|----|--|
| Benzo(k)fluoranthene | 0.0866 | 0.000486 | mg/Kg | 0.166 | <0.000486 | 52.1 | 30-130 | 21 | 30 | |
| 1-Methylnaphthalene | 0.0968 | 0.00048 | " | 0.166 | <0.000480 | 58.3 | 30-130 | 31.5 | 30 | |
| 2-Methylnaphthalene | 0.0974 | 0.000542 | " | 0.166 | <0.000542 | 58.6 | 30-130 | 30.9 | 30 | |
| Acenaphthene | 0.1 | 0.000431 | " | 0.166 | <0.000431 | 60.2 | 30-130 | 26 | 30 | |
| Anthracene | 0.11 | 0.000426 | " | 0.166 | <0.000426 | 66.2 | 30-130 | 28.1 | 30 | |
| Benzo(a)anthracene | 0.104 | 0.000441 | " | 0.166 | <0.000441 | 62.6 | 30-130 | 29.5 | 30 | |
| Pyrene | 0.115 | 0.000387 | " | 0.166 | 0.000413 | 69.2 | 30-130 | 25 | 30 | |
| Benzo(a)pyrene | 0.104 | 0.000133 | " | 0.166 | <0.000133 | 62.6 | 30-130 | 28 | 30 | |
| Naphthalene | 0.0895 | 0.000467 | " | 0.166 | <0.000467 | 53.9 | 30-130 | 28.2 | 30 | |
| Indeno(1,2,3-cd)pyrene | 0.0894 | 0.000344 | " | 0.166 | <0.000344 | 53.8 | 30-130 | 39.2 | 30 | |
| Fluorene | 0.106 | 0.000501 | " | 0.166 | <0.000501 | 63.8 | 30-130 | 27.6 | 30 | |
| Fluoranthene | 0.117 | 0.000529 | " | 0.166 | <0.000529 | 70.4 | 30-130 | 25.3 | 30 | |
| Dibenz(a,h)anthracene | 0.0956 | 0.000279 | " | 0.166 | <0.000279 | 57.5 | 30-130 | 34.8 | 30 | |
| Chrysene | 0.106 | 0.000256 | " | 0.166 | <0.000256 | 63.8 | 30-130 | 21.8 | 30 | |
| Benzo(b)fluoranthene | 0.0834 | 0.000138 | " | 0.166 | <0.000138 | 50.2 | 30-130 | 35.1 | 30 | |
| Surrogate: 2-Fluorobiphenyl | 76.2 | | " | 0.332 | 220 | 76.2 | 33-115 | | | |
| Surrogate: 4-Terphenyl-d14 | 78 | | " | 0.332 | 231 | 78 | 33-122 | | | |
| Surrogate: Nitrobenzene-d5 | 61.7 | | " | 0.332 | 165 | 61.7 | 29-110 | | | |

| MS (L 93801-MS-L557994) | | Source: 93801 | | | Prepared: 06/11/2021 Analyzed: 06/11/2021 | | | | | |
|-------------------------|-------|---------------|-------|-------|---|------|--------|--|--|--|
| Benzo(b)fluoranthene | 0.119 | 0.000138 | mg/Kg | 0.166 | <0.000138 | 71.6 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.136 | 0.000279 | " | 0.166 | <0.000279 | 81.9 | 30-130 | | | |
| Pyrene | 0.148 | 0.000387 | " | 0.166 | 0.000413 | 89.1 | 30-130 | | | |
| Naphthalene | 0.119 | 0.000467 | " | 0.166 | <0.000467 | 71.6 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.133 | 0.000344 | " | 0.166 | <0.000344 | 80.1 | 30-130 | | | |
| Fluorene | 0.14 | 0.000501 | " | 0.166 | <0.000501 | 84.3 | 30-130 | | | |
| Fluoranthene | 0.151 | 0.000529 | " | 0.166 | <0.000529 | 90.9 | 30-130 | | | |

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WH/Flowline Decommiss

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 L557994 - 3550B

| MS (L 93801-MS-L557994) | | Source: 93801 | | | Prepared: 06/11/2021 Analyzed: 06/11/2021 | | | | | |
|-----------------------------|-------|---------------|-------|-------|---|------|--------|--|--|--|
| 2-Methylnaphthalene | 0.133 | 0.000542 | mg/Kg | 0.166 | <0.000542 | 80.1 | 30-130 | | | |
| Benzo(a)pyrene | 0.138 | 0.000133 | " | 0.166 | <0.000133 | 83.1 | 30-130 | | | |
| Benzo(a)anthracene | 0.14 | 0.000441 | " | 0.166 | <0.000441 | 84.3 | 30-130 | | | |
| Anthracene | 0.146 | 0.000426 | " | 0.166 | <0.000426 | 87.9 | 30-130 | | | |
| Acenaphthene | 0.13 | 0.000431 | " | 0.166 | <0.000431 | 78.3 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.107 | 0.000486 | " | 0.166 | <0.000486 | 64.4 | 30-130 | | | |
| 1-Methylnaphthalene | 0.133 | 0.00048 | " | 0.166 | <0.000480 | 80.1 | 30-130 | | | |
| Chrysene | 0.132 | 0.000256 | " | 0.166 | <0.000256 | 79.5 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 63.4 | | " | 0.331 | 165 | 63.4 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 74.6 | | " | 0.331 | 231 | 74.6 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 76.4 | | " | 0.331 | 220 | 76.4 | 33-115 | | | |

| LCS (LCS-L557994) | | Prepared: 06/11/2021 Analyzed: 06/11/2021 | | | | | | | | |
|------------------------|-------|---|-------|-------|--|------|--------|--|--|--|
| Dibenz(a,h)anthracene | 0.125 | 0.000279 | mg/Kg | 0.167 | | 74.8 | 30-130 | | | |
| Fluoranthene | 0.151 | 0.000529 | " | 0.167 | | 90.4 | 30-130 | | | |
| Fluorene | 0.141 | 0.000501 | " | 0.167 | | 84.4 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.117 | 0.000344 | " | 0.167 | | 70 | 30-130 | | | |
| Naphthalene | 0.118 | 0.000467 | " | 0.167 | | 70.6 | 30-130 | | | |
| Pyrene | 0.148 | 0.000387 | " | 0.167 | | 88.6 | 30-130 | | | |
| Acenaphthene | 0.131 | 0.000431 | " | 0.167 | | 78.4 | 30-130 | | | |
| Chrysene | 0.137 | 0.000256 | " | 0.167 | | 82 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.116 | 0.000138 | " | 0.167 | | 69.4 | 30-130 | | | |
| Benzo(a)pyrene | 0.138 | 0.000133 | " | 0.167 | | 82.6 | 30-130 | | | |
| Anthracene | 0.146 | 0.000426 | " | 0.167 | | 87.4 | 30-130 | | | |
| 2-Methylnaphthalene | 0.131 | 0.000542 | " | 0.167 | | 78.4 | 30-130 | | | |
| 1-Methylnaphthalene | 0.131 | 0.00048 | " | 0.167 | | 78.4 | 30-130 | | | |
| Benzo(a)anthracene | 0.137 | 0.000441 | " | 0.167 | | 82 | 30-130 | | | |

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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 L557994 - 3550B | | | | | | | | | | |
| LCS (LCS-L557994) | | | | | Prepared: 06/11/2021 Analyzed: 06/11/2021 | | | | | |
| Benzo(k)fluoranthene | 0.105 | 0.000486 | mg/Kg | 0.167 | | 62.8 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 61.2 | | " | 0.333 | | 61.2 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 76.2 | | " | 0.333 | | 76.2 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 75.6 | | " | 0.333 | | 75.6 | 33-115 | | | |
| LRB (LRB-L557994) | | | | | Prepared: 06/11/2021 Analyzed: 06/11/2021 | | | | | |
| Pyrene | ND | 0.00067 | mg/Kg | | | | - | | | |
| Dibenz(a,h)anthracene | ND | 0.00067 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.00067 | " | | | | - | | | |
| Chrysene | ND | 0.00067 | " | | | | - | | | |
| Acenaphthene | ND | 0.00067 | " | | | | - | | | |
| Naphthalene | ND | 0.00067 | " | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(b)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)pyrene | ND | 0.00067 | " | | | | - | | | |
| Anthracene | ND | 0.00067 | " | | | | - | | | |
| 2-Methylnaphthalene | ND | 0.00067 | " | | | | - | | | |
| 1-Methylnaphthalene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)anthracene | ND | 0.00067 | " | | | | - | | | |
| Surrogate: Nitrobenzene-d5 | 51.9 | | " | 0.333 | | 51.9 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 71.1 | | " | 0.333 | | 71.1 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 69 | | " | 0.333 | | 69 | 33-115 | | | |

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8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: 310066

Project: Bonanza - North Platte 22-24
WH/Flowline Decommiss

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 01, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Bonanza - North Platte 22-24/11-24 Flowline **Project Number - [none]**

Attached are your analytical results for Bonanza - North Platte 22-24/11-24 Flowline received by Origins Laboratory, Inc. June 23, 2021. This project is associated with Origins project number Y106578-01.

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

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

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

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

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

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



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

Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Bonanza - North Platte 22-24/11-24

Flowline

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|---------------------|------------------|
| FL-SS-01@3' | Y106578-01 | Soil | June 23, 2021 13:05 | 06/23/2021 16:52 |

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: Y106578

Client: Eagle

Client Project ID: N.P. 22-24/11-24 Flowline

Checklist Completed by: SL

Shipped Via: HD

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

Date/time completed: 6/24/21

Airbill #: N/A

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

Water

Other:

Cooler Number/Temperature: 1128 °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"/> | <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 type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Additional Comments (if any): | | | | |

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

Reviewed by: jm (Project Manager)

6-25-21
Date/Time Reviewed

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: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

FL-SS-01@3'
6/23/2021 1:05:00PM

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

Origins Laboratory, Inc.
Y106578-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|--|
| Boron | ND | 0.200 | mg/L | 1 | B1F2409 | 06/24/2021 | 06/24/2021 | |
|-------|----|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 50.0 | mg/kg | 1 | B1F2314 | 06/23/2021 | 06/25/2021 | U |
| Residual Range Organics (C28-C40) | ND | 200 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 90.8 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B1F2401 | 06/24/2021 | 06/26/2021 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | | | " | " | " | |
|----------------------------------|-------|--------|--|--|---|---|---|--|

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

FL-SS-01@3'
6/23/2021 1:05:00PM

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

Origins Laboratory, Inc.
Y106578-01 (Soil)

GBTEX+TMBs

| | | | | | |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: Toluene-d8 | 86.4 % | 70-130 | B1F24 01 | 06/24/2021 | 06/26/2021 |
| Surrogate: 4-Bromofluorobenzene | 95.0 % | 70-130 | " | " | " |

Metals by Saturated Paste

| | | | | | | |
|-----------|-------|-------|---|--------|------------|------------|
| Calcium | 3.12 | meq/L | 1 | [CALC] | 06/25/2021 | 06/28/2021 |
| Magnesium | 1.40 | " | " | " | " | " |
| Sodium | 0.444 | " | " | " | " | " |

PAH by 8270D SIM

| | | | | | | | | |
|-----------------------|----|----------|---------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | ND | 0.00048 | 0.00067 | mg/Kg | 1 | L561224 | 06/29/2021 | 06/29/2021 |
| 2-Methylnaphthalene | ND | 0.000542 | 0.00067 | " | " | " | " | " |
| Acenaphthene | ND | 0.000431 | 0.00067 | " | " | " | " | " |
| Anthracene | ND | 0.000426 | 0.00067 | " | " | " | " | " |
| Benzo(a)anthracene | ND | 0.000441 | 0.00067 | " | " | " | " | " |
| Benzo(a)pyrene | ND | 0.000133 | 0.00067 | " | " | " | " | " |
| Benzo(b)fluoranthene | ND | 0.000138 | 0.00067 | " | " | " | " | " |
| Benzo(k)fluoranthene | ND | 0.000486 | 0.00067 | " | " | " | " | " |
| Chrysene | ND | 0.000256 | 0.00067 | " | " | " | " | " |
| Dibenz(a,h)anthracene | ND | 0.000279 | 0.00067 | " | " | " | " | " |
| Fluoranthene | ND | 0.000529 | 0.00067 | " | " | " | " | " |

Origins Laboratory, Inc.

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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

FL-SS-01@3'
6/23/2021 1:05:00PM

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

Waypoint Analytical, Inc.
Y106578-01 (Soil)

PAH by 8270D SIM

| | | | | | | | | |
|------------------------|----|----------|---------|-------|---|---------|------------|------------|
| Fluorene | ND | 0.000501 | 0.00067 | mg/Kg | 1 | L561224 | 06/29/2021 | 06/29/2021 |
| Indeno(1,2,3-cd)pyrene | ND | 0.000344 | 0.00067 | " | " | " | " | " |
| Naphthalene | ND | 0.000467 | 0.00067 | " | " | " | " | " |
| Pyrene | ND | 0.000387 | 0.00067 | " | " | " | " | " |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 71.5 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 76 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5 | 61.3 % | 29-110 | " | " | " |

pH in Soil by EPA 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.86 | pH Units | 1 | B1F2503 | 06/25/2021 | 06/25/2021 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | |
|-----|-------|-----|---|---------|------------|------------|
| SAR | 0.295 | SAR | 1 | B1F2516 | 06/25/2021 | 06/28/2021 |
|-----|-------|-----|---|---------|------------|------------|

Specific Conductance by Modified 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.538 | 0.00500 | mmhos/cm | 1 | B1F2505 | 06/25/2021 | 06/25/2021 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Origins Laboratory, Inc.

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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Bonanza - North Platte 22-24/11-24

Flowline

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 B1F2314 - EPA 3550B

Blank (B1F2314-BLK1)

Prepared: 06/23/2021 Analyzed: 06/23/2021

| | | | | | | | | | | |
|-----------------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Diesel (C10-C28) | ND | 50.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 200 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 47 | | " | 50.0 | | 93.2 | 50-150 | | | |

Origins Laboratory, Inc.

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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Bonanza - North Platte 22-24/11-24

Flowline

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 B1F2314 - EPA 3550B

LCS (B1F2314-BS1)

Prepared: 06/23/2021 Analyzed: 06/23/2021

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|-----|--------|--|--|--|
| Diesel (C10-C28) | 610 | 50.0 | mg/kg | 500 | | 122 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 642 | 200 | " | 500 | | 128 | 70-130 | | | |
| Surrogate: o-Terphenyl | 58 | | " | 50.0 | | 116 | 50-150 | | | |

Origins Laboratory, Inc.

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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 B1F2314 - EPA 3550B

| Matrix Spike (B1F2314-MS1) | | Source: Y106537-02 | | | Prepared: 06/23/2021 Analyzed: 06/23/2021 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 466 | 50.0 | mg/kg | 500 | ND | 93.2 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 563 | 200 | " | 500 | 44.4 | 104 | 70-130 | | | |
| Surrogate: o-Terphenyl | 43 | | " | 50.0 | | 86.7 | 50-150 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 B1F2314 - EPA 3550B

| Matrix Spike Dup (B1F2314-MSD1) | | Source: Y106537-02 | | | Prepared: 06/23/2021 Analyzed: 06/23/2021 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|-----|--------|------|----|--|
| Diesel (C10-C28) | 524 | 50.0 | mg/kg | 500 | ND | 105 | 70-130 | 11.8 | 35 | |
| Residual Range Organics (C28-C40) | 626 | 200 | " | 500 | 44.4 | 116 | 70-130 | 10.6 | 35 | |
| Surrogate: o-Terphenyl | 54 | | " | 50.0 | | 109 | 50-150 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 B1F2401 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B1F2401-BLK1) | | | | | Prepared: 06/24/2021 Analyzed: 06/24/2021 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| Naphthalene | ND | 0.0100 | " | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 92.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 96.3 | 70-130 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 B1F2401 - EPA 5030 (soil)

LCS (B1F2401-BS1)

Prepared: 06/24/2021 Analyzed: 06/24/2021

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0491 | 0.00200 | mg/kg | 0.0500 | | 98.2 | 70-130 | | | |
| Naphthalene | 0.0476 | 0.0100 | " | 0.0500 | | 95.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0489 | 0.00200 | " | 0.0500 | | 97.8 | 70-130 | | | |
| Benzene | 0.0528 | 0.00200 | " | 0.0500 | | 106 | 70-130 | | | |
| Ethylbenzene | 0.0481 | 0.00200 | " | 0.0500 | | 96.2 | 70-130 | | | |
| m,p-Xylene | 0.0980 | 0.00400 | " | 0.100 | | 98.0 | 70-130 | | | |
| o-Xylene | 0.0487 | 0.00200 | " | 0.0500 | | 97.4 | 70-130 | | | |
| Toluene | 0.0474 | 0.00200 | " | 0.0500 | | 94.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 93.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 92.3 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 95.6 | 70-130 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 B1F2401 - EPA 5030 (soil)

| Matrix Spike (B1F2401-MS1) | | Source: Y106558-01 | | | Prepared: 06/24/2021 Analyzed: 06/26/2021 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0391 | 0.00200 | mg/kg | 0.0500 | ND | 78.3 | 70-130 | | | |
| Naphthalene | 0.0487 | 0.0100 | " | 0.0500 | ND | 97.4 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0371 | 0.00200 | " | 0.0500 | ND | 74.2 | 70-130 | | | |
| Benzene | 0.0495 | 0.00200 | " | 0.0500 | ND | 99.0 | 70-130 | | | |
| Ethylbenzene | 0.0371 | 0.00200 | " | 0.0500 | ND | 74.1 | 70-130 | | | |
| m,p-Xylene | 0.0759 | 0.00400 | " | 0.100 | ND | 75.9 | 70-130 | | | |
| o-Xylene | 0.0403 | 0.00200 | " | 0.0500 | ND | 80.7 | 70-130 | | | |
| Toluene | 0.0398 | 0.00200 | " | 0.0500 | ND | 79.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 105 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.11 | | " | 0.125 | | 87.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 94.8 | 70-130 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 B1F2401 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike Dup (B1F2401-MSD1) | | Source: Y106558-01 | | | Prepared: 06/24/2021 Analyzed: 06/26/2021 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0411 | 0.00200 | mg/kg | 0.0500 | ND | 82.1 | 70-130 | 4.79 | 20 | |
| Naphthalene | 0.0503 | 0.0100 | " | 0.0500 | ND | 101 | 70-130 | 3.27 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0402 | 0.00200 | " | 0.0500 | ND | 80.4 | 70-130 | 8.07 | 20 | |
| Benzene | 0.0547 | 0.00200 | " | 0.0500 | ND | 109 | 70-130 | 10.1 | 20 | |
| Ethylbenzene | 0.0408 | 0.00200 | " | 0.0500 | ND | 81.5 | 70-130 | 9.51 | 20 | |
| m,p-Xylene | 0.0823 | 0.00400 | " | 0.100 | ND | 82.3 | 70-130 | 8.09 | 20 | |
| o-Xylene | 0.0418 | 0.00200 | " | 0.0500 | ND | 83.7 | 70-130 | 3.65 | 20 | |
| Toluene | 0.0442 | 0.00200 | " | 0.0500 | ND | 88.4 | 70-130 | 10.6 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.11 | | " | 0.125 | | 88.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 93.5 | 70-130 | | | |

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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Saturated Paste - Quality Control

Origins Laboratory, Inc.

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

Batch B1F2503 - NO PREP

Duplicate (B1F2503-DUP1)

Source: Y106558-01

Prepared: 06/25/2021 Analyzed: 06/25/2021

| | | | | | | | |
|----|------|--|----------|------|--|-------|----|
| pH | 7.22 | | pH Units | 7.25 | | 0.415 | 25 |
|----|------|--|----------|------|--|-------|----|

Batch B1F2505 - NO PREP

Blank (B1F2505-BLK1)

Prepared: 06/25/2021 Analyzed: 06/25/2021

| | | | |
|---------------------------|---------|---------|----------|
| Specific Conductance (EC) | 0.00220 | 0.00500 | mmhos/cm |
|---------------------------|---------|---------|----------|

Duplicate (B1F2505-DUP1)

Source: Y106558-01

Prepared: 06/25/2021 Analyzed: 06/25/2021

| | | | | | | | |
|---------------------------|-------|---------|----------|-------|--|-------|----|
| Specific Conductance (EC) | 0.606 | 0.00500 | mmhos/cm | 0.600 | | 0.862 | 25 |
|---------------------------|-------|---------|----------|-------|--|-------|----|

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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 L561224 - 3550B

| MSD (L 86857-MSD-L561224) | | Source: 86857 | | | Prepared: 06/29/2021 Analyzed: 06/29/2021 | | | | | |
|-----------------------------|--------|---------------|-------|-------|---|------|--------|------|----|--|
| 1-Methylnaphthalene | 0.119 | 0.00048 | mg/Kg | 0.166 | <0.000480 | 71.6 | 30-130 | 5.1 | 30 | |
| Benzo(a)anthracene | 0.124 | 0.000441 | " | 0.166 | 0.00134 | 73.8 | 30-130 | 4.1 | 30 | |
| Anthracene | 0.147 | 0.000426 | " | 0.166 | <0.000426 | 88.5 | 30-130 | 7 | 30 | |
| Acenaphthene | 0.133 | 0.000431 | " | 0.166 | <0.000431 | 80.1 | 30-130 | 4.6 | 30 | |
| Chrysene | 0.144 | 0.000256 | " | 0.166 | 0.00166 | 85.7 | 30-130 | 2.8 | 30 | |
| 2-Methylnaphthalene | 0.116 | 0.000542 | " | 0.166 | <0.000542 | 69.8 | 30-130 | 6.2 | 30 | |
| Pyrene | 0.13 | 0.000387 | " | 0.166 | 0.00296 | 76.5 | 30-130 | 3.1 | 30 | |
| Benzo(b)fluoranthene | 0.0933 | 0.000138 | " | 0.166 | 0.00222 | 54.8 | 30-130 | 4.5 | 30 | |
| Naphthalene | 0.113 | 0.000467 | " | 0.166 | <0.000467 | 68 | 30-130 | 7.3 | 30 | |
| Indeno(1,2,3-cd)pyrene | 0.107 | 0.000344 | " | 0.166 | 0.00128 | 63.6 | 30-130 | 9.2 | 30 | |
| Fluorene | 0.135 | 0.000501 | " | 0.166 | <0.000501 | 81.3 | 30-130 | 5.3 | 30 | |
| Fluoranthene | 0.13 | 0.000529 | " | 0.166 | 0.00297 | 76.5 | 30-130 | 3.1 | 30 | |
| Dibenz(a,h)anthracene | 0.111 | 0.000279 | " | 0.166 | <0.000279 | 66.8 | 30-130 | 0.9 | 30 | |
| Benzo(k)fluoranthene | 0.119 | 0.000486 | " | 0.166 | 0.00119 | 70.9 | 30-130 | 11.8 | 30 | |
| Benzo(a)pyrene | 0.138 | 0.000133 | " | 0.166 | 0.00216 | 81.8 | 30-130 | 4.4 | 30 | |
| Surrogate: 4-Terphenyl-d14 | 80 | | " | 0.331 | 239 | 80 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 72.5 | | " | 0.331 | 228 | 72.5 | 33-115 | | | |
| Surrogate: Nitrobenzene-d5 | 61.9 | | " | 0.331 | 195 | 61.9 | 29-110 | | | |

| MS (L 86857-MS-L561224) | | Source: 86857 | | | Prepared: 06/29/2021 Analyzed: 06/29/2021 | | | | | |
|-------------------------|--------|---------------|-------|-------|---|------|--------|--|--|--|
| Benzo(b)fluoranthene | 0.0976 | 0.000138 | mg/Kg | 0.167 | 0.00222 | 57.1 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.11 | 0.000279 | " | 0.167 | <0.000279 | 65.8 | 30-130 | | | |
| Pyrene | 0.126 | 0.000387 | " | 0.167 | 0.00296 | 73.6 | 30-130 | | | |
| Naphthalene | 0.105 | 0.000467 | " | 0.167 | <0.000467 | 62.8 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.0975 | 0.000344 | " | 0.167 | 0.00128 | 57.6 | 30-130 | | | |
| Fluorene | 0.128 | 0.000501 | " | 0.167 | <0.000501 | 76.6 | 30-130 | | | |
| Fluoranthene | 0.126 | 0.000529 | " | 0.167 | 0.00297 | 73.6 | 30-130 | | | |

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

Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 L561224 - 3550B

| MS (L 86857-MS-L561224) | | Source: 86857 | | | Prepared: 06/29/2021 Analyzed: 06/29/2021 | | | | | |
|-----------------------------|-------|---------------|-------|-------|---|------|--------|--|--|--|
| 2-Methylnaphthalene | 0.109 | 0.000542 | mg/Kg | 0.167 | <0.000542 | 65.2 | 30-130 | | | |
| Benzo(a)pyrene | 0.132 | 0.000133 | " | 0.167 | 0.00216 | 77.7 | 30-130 | | | |
| Benzo(a)anthracene | 0.119 | 0.000441 | " | 0.167 | 0.00134 | 70.4 | 30-130 | | | |
| Anthracene | 0.137 | 0.000426 | " | 0.167 | <0.000426 | 82 | 30-130 | | | |
| Acenaphthene | 0.127 | 0.000431 | " | 0.167 | <0.000431 | 76 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.134 | 0.000486 | " | 0.167 | 0.00119 | 79.5 | 30-130 | | | |
| 1-Methylnaphthalene | 0.113 | 0.00048 | " | 0.167 | <0.000480 | 67.6 | 30-130 | | | |
| Chrysene | 0.14 | 0.000256 | " | 0.167 | 0.00166 | 82.8 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 57.3 | | " | 0.333 | 195 | 57.3 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 79.5 | | " | 0.333 | 239 | 79.5 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 70.2 | | " | 0.333 | 228 | 70.2 | 33-115 | | | |

| LCS (LCS-L561224) | | Prepared: 06/29/2021 Analyzed: 06/29/2021 | | | | | | | | |
|------------------------|--------|---|-------|-------|--|------|--------|--|--|--|
| Dibenz(a,h)anthracene | 0.105 | 0.000279 | mg/Kg | 0.167 | | 62.8 | 30-130 | | | |
| Fluoranthene | 0.117 | 0.000529 | " | 0.167 | | 70 | 30-130 | | | |
| Fluorene | 0.121 | 0.000501 | " | 0.167 | | 72.4 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.097 | 0.000344 | " | 0.167 | | 58 | 30-130 | | | |
| Naphthalene | 0.105 | 0.000467 | " | 0.167 | | 62.8 | 30-130 | | | |
| Pyrene | 0.117 | 0.000387 | " | 0.167 | | 70 | 30-130 | | | |
| Acenaphthene | 0.12 | 0.000431 | " | 0.167 | | 71.8 | 30-130 | | | |
| Chrysene | 0.129 | 0.000256 | " | 0.167 | | 77.2 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.0839 | 0.000138 | " | 0.167 | | 50.2 | 30-130 | | | |
| Benzo(a)pyrene | 0.125 | 0.000133 | " | 0.167 | | 74.8 | 30-130 | | | |
| Anthracene | 0.132 | 0.000426 | " | 0.167 | | 79 | 30-130 | | | |
| 2-Methylnaphthalene | 0.107 | 0.000542 | " | 0.167 | | 64 | 30-130 | | | |
| 1-Methylnaphthalene | 0.109 | 0.00048 | " | 0.167 | | 65.2 | 30-130 | | | |
| Benzo(a)anthracene | 0.112 | 0.000441 | " | 0.167 | | 67 | 30-130 | | | |

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Martin C Eckert III
Project Number: [none]
Project: Bonanza - North Platte 22-24/11-24
Flowline

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 L561224 - 3550B

LCS (LCS-L561224)

Prepared: 06/29/2021 Analyzed: 06/29/2021

| | | | | | | | | | | |
|-----------------------------|-------|----------|-------|-------|------|------|--------|--|--|--|
| Benzo(k)fluoranthene | 0.129 | 0.000486 | mg/Kg | 0.167 | | 77.2 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 63.6 | | " | 0.333 | 63.6 | | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 80.1 | | " | 0.333 | 80.1 | | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 72.3 | | " | 0.333 | 72.3 | | 33-115 | | | |

LRB (LRB-L561224)

Prepared: 06/29/2021 Analyzed: 06/29/2021

| | | | | | | | | | | |
|-----------------------------|----------|---------|-------|-------|------|--|--------|--|--|---|
| Pyrene | ND | 0.00067 | mg/Kg | | | | - | | | |
| Dibenz(a,h)anthracene | ND | 0.00067 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.00067 | " | | | | - | | | |
| Chrysene | ND | 0.00067 | " | | | | - | | | |
| Acenaphthene | ND | 0.00067 | " | | | | - | | | |
| Naphthalene | ND | 0.00067 | " | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(b)fluoranthene | 0.000585 | 0.00067 | " | | | | - | | | J |
| Benzo(a)pyrene | 0.000512 | 0.00067 | " | | | | - | | | J |
| Anthracene | ND | 0.00067 | " | | | | - | | | |
| 2-Methylnaphthalene | ND | 0.00067 | " | | | | - | | | |
| 1-Methylnaphthalene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)anthracene | ND | 0.00067 | " | | | | - | | | |
| Surrogate: Nitrobenzene-d5 | 61.8 | | " | 0.333 | 61.8 | | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 73.2 | | " | 0.333 | 73.2 | | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 69.6 | | " | 0.333 | 69.6 | | 33-115 | | | |

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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Bonanza - North Platte 22-24/11-24

Flowline

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 on a wet weight basis.

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