



August 23, 2022

Mr. Jason Davidson
PDC Energy Inc.
4000 Burlington Avenue
Evans, Colorado 80620

**RE: Facility Closure Investigation and Excavation Environmental Report
HSR Eppinger 6-1 Production Facility
COGCC Remediation Project #22940
Adams County, Colorado**

Mr. Davidson,

Entrada Consulting Group, Inc. (Entrada) has prepared this report for PDC Energy, Inc. (PDC) to present the results of recent facility closure investigation and excavation soil sampling activities conducted at the HSR Eppinger 6-1 Production Facility (Site).

The Site is located 0.90 miles southwest of the town of Lochbuie, Colorado and is accessed by East 168th Avenue. The center location coordinates of the Site are 39.996439° North Latitude and -104.727858° West Longitude. A general location map is provided as Figure 1.

The Initial Form 27 Site Investigation and Remediation Workplan (Colorado Oil and Gas Conservation Commission [COGCC] Document #402994858) for facility closure at the Site was approved by the COGCC on April 25, 2022 and was assigned Remediation Project #22940. Entrada was retained by PDC to conduct facility closure field screening and to collect confirmation soil samples during decommissioning of the wellhead and tank battery equipment.

During field screening of soil beneath dump lines between the separator and the tank battery, evidence of hydrocarbon impact was observed and was reported as a release to the COGCC in a Form 19 (Document #403059888) on May 25, 2022, with work proceeding under COGCC Remediation Project #22940. Based on the results of a waste characterization sample (SS7-1) collected from the area with the greatest field evidence of impact, a reduced analyte list for subsequent confirmation samples was requested on a Form 27 Supplemental (Document #403066706) and approved by the

COGCC on June 16, 2022. Further details of the release and subsequent source removal excavation are discussed below. No further impacts were identified during field screening and soil sampling of the remaining production equipment during the Site investigation.

All investigation activities, field screening, and confirmation soil sampling activities discussed herein were conducted in accordance with COGCC 900 Series Rules and guidance documents. Discrete soil samples were collected and analyzed pursuant to Rule 915, following the general sample collection guidance in Rule 915.e.(2).

FACILITY CLOSURE SOIL SAMPLING ACTIVITIES

On May 20, 2022, Entrada personnel conducted field screening and collected soil samples related to facility decommissioning activities at the Site. Field screening consisted of inspecting soil for visual and olfactory evidence of hydrocarbon impact and use of a photoionization detector (PID) calibrated with 100 parts per million (ppm) isobutylene gas. The equipment investigated following decommissioning and removal included one above ground storage tank (AST), one partially buried fiberglass produced water tank, one separator, one wellhead and associated flowline and dump lines. The field screening and sample coordinate data is summarized in Table 1. The facility closure soil sample locations and field screening results are provided on Figure 2. The facility closure checklists are included as Attachment B.

Tank Battery and Produced Water Tank

Following removal of the AST, one soil sample was collected for laboratory analysis from the footprint of the removed AST (SS6-1) at approximately 1 foot below ground surface (ft-bgs). Following removal of the partially buried fiberglass produced water tank, one soil sample was collected from the floor of the excavation (SS1-6), and one soil sample was collected from the north sidewall of the excavation (SS2-3). Soil was screened with the PID from the east, south, and west sidewalls of the excavation at 3 ft-bgs.

Separator and Meter House

Following removal of the separator, field screening was completed below the former inlet line and one soil sample (SS3-2) was collected below the former dump lines. Field screening was completed adjacent to the meter house and no evidence of hydrocarbon impact was observed.

Dump Lines

During the removal of dump lines at the Site, the lines were daylighted using a backhoe and pulled from the subsurface. Soil was field screened with the PID at six locations

where lines were daylighted and sampling depths were representative of line depths. Field evidence of a historical release impacting soil was observed below dump lines north of the separator. The release was reported to the COGCC in a Form 19, as previously discussed, and was later removed by excavation which is detailed below. A waste characterization sample (SS7-7) was collected at 7 ft-bgs from material exhibiting the highest degree of field evidence of hydrocarbon impact and submitted for laboratory analysis of the complete COGCC Table 915-1 list.

Background Soil Sampling

Four background samples were collected from two background borings (BG1 and BG2) to characterize background inorganic levels. Background samples were collected from 1 ft-bgs and 3 ft-bgs located in areas away from potential sources of impact related to the Site.

All field screening and soil sampling locations associated with the production facility are displayed on Figure 2.

FACILITY CLOSURE LABORATORY ANALYSIS

Soil Analysis

All soil samples were collected into 4-ounce sample jars, sealed, labeled, placed into ice-filled coolers for preservation, then submitted following chain-of-custody procedures to Origins Laboratory (Origins) in Denver, Colorado, for analysis of the following parameters by the stated methods:

Waste Characterization Sample (SS7-7)

- Complete Table 915-1 list:
 - Benzene, toluene, ethylbenzene, total xylenes (BTEX), 1,2,4 trimethylbenzene (TMB), 1,3,5 TMB, and total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) by Environmental Protection Agency (EPA) Method 8260D
 - Polycyclic aromatic hydrocarbons (Table 915-1 list) by EPA method 8270D SIM.
 - TPH as diesel range organics (DRO) and TPH as oil range organics (ORO) by EPA Method 8015D.
 - Metals (Table 915-1 list) by EPA Method 6020B with hexavalent chromium by EPA Method 7196A.
 - Electrical conductivity (EC) by Modified 9050A, sodium adsorption ratio (SAR) by 20B Saturated Paste Method, pH by EPA Method 9045D and boron by DTPA Sorbitol Method.

Facility Closure Samples (SS1 through SS4 and SS6)

- BTEX, 1,2,4-TMB, 1,3,5-TMB, naphthalene, TPH as GRO, TPH as DRO, and TPH as ORO by the applicable methods listed above.

Wellhead Excavation Sidewall Soil Sample (SS5) and Floor of Partially Buried Produced Water Tank Excavation (SS1)

- EC, SAR, pH and Boron by the above state methods

Background Soil Samples (BG1 and BG2)

- Arsenic, barium, and selenium by the method listed above for metals.
- EC, SAR, pH, and boron by the methods listed above.

FACILITY CLOSURE ANALYTICAL RESULTS

Soil Analytical Results

COGCC Table 915-1 Protection to Groundwater Soil Screening Levels (GWSSLs) were used to determine soil compliance. A summary of analytes with laboratory results exceeding their respective COGCC Table 915-1 GWSSLs is presented below:

Waste Characterization Sample (SS7-7)

- Organic compounds in soils: Toluene (2.56 milligrams per kilogram [mg/kg]), ethylbenzene (3.83 mg/kg), total xylenes (359 mg/kg), 1,2,4-TMB (98.1 mg/kg), 1,3,5-TMB (55.7 mg/kg), fluorene (1.25 mg/kg), naphthalene (2.22 mg/kg) and TPH (11,200 mg/kg).
- Metals: arsenic (3.16 mg/kg), barium (179 mg/kg) and selenium (0.433 mg/kg).

Background Soil Samples (BG1 and BG2)

- Arsenic: BG1-1 (1.58 mg/kg), BG1-3 (2.26 mg/kg), BG2-1 (1.51 mg/kg) and BG2-3 (1.88 mg/kg).
- Barium: BG1-3 (90.5 mg/kg)
- Selenium: BG1-1 (0.432 mg/kg), BG1-3 (0.343 mg/kg), BG2-1 (0.316 mg/kg) and BG2-3 (0.309 mg/kg).

Facility Closure Samples

- pH was reported at 8.47 for soil sample SS1-6

All other facility closure laboratory analytical results were complaint with their respective Table 915-1 GWSSLs. All soil analytical results are provided in Table 2 through Table 4. The analytical results reported above applicable Table 915-1 standards are shown on Figure 2. The laboratory analytical reports are provided in Attachment C.

EXCAVATION ACTIVITIES

On May 25, 2022, excavation was conducted to remove the impacted soil identified in soil sample SS7-7. Four confirmation soil samples were collected from the sidewalls (EX2 through EX5) and one confirmation soil sample was collected from the floor of the excavation (EX1-11). Naphthalene was reported above the GWSSL standard in the southern sidewall sample (EX3-7). On May 31, 2022, additional excavation was conducted to remove these impacts and three additional confirmation soil samples were collected from the sidewalls of the excavation (EX6 through EX8).

The final extent of excavation was approximately 33 feet north-south by 12 feet east-west to a total depth of 11 ft-bgs. In total, approximately 138 cubic yards of soil were hauled offsite for disposal under manifest at Waste Management's Buffalo Ridge Landfill in Keenesburg, Colorado in accordance with Rules 905 and 906. The waste disposal manifests are provided in Attachment D.

The excavation confirmation soil sample analytical results are shown in Table 2 and Table 3, and the sample locations and excavation extent are displayed on Figure 3. A photographic log of excavation activities is provided in Attachment A.

Excavation Soil Analysis

Based on the analytical results of waste characterization sample SS7-7, the excavation confirmation soil samples were submitted to Origins for laboratory analysis of the following parameters by the above stated methods, as approved by Form 27 Supplemental Document #403066706.

Excavation Confirmation Soil Samples Analytes

- BTEX, 1,2,4-TMB, 1,3,5-TMB, and PAHs by the above stated methods.
- TPH as GRO, TPH as DRO, TPH as ORO by the above stated methods.

Excavation Soil Analytical Results

- Naphthalene was reported above the GWSSL standard for excavation sidewall sample EX3-7 (0.00430 mg/kg).

All remaining excavation confirmation soil sample analytical results were reported below applicable Table 915-1 GWSSLs. The excavation confirmation soil analytical results are

summarized in Table 2 and Table 3, and the excavation soil laboratory analytical reports are included in Attachment C.

SUMMARY AND CONCLUSION

Hydrocarbon impacted soil was identified below dump lines north of the separator during facility closure activities in waste characterization soil sample SS7-7. Excavation was conducted and the identified impacted soil was removed and transported offsite for disposal at a properly permitted waste facility. All analytical results of the excavation confirmation soil samples collected from the final extent of the excavation floor and sidewalls were compliant with their applicable Table 915-1 GWSSLs.

All remaining facility closure soil samples submitted for laboratory analysis were compliant with applicable Table 915-1 standards except pH reported in facility closure sample SS1-6 (8.47), collected from imported sand used as bedding for the produced water tank in the floor of the produced water tank excavation. EC, SAR and boron were reported below their respective standards for SS1-6. Based on these results, the pH reported for SS1-6 is believed to be characteristic of the bedding sand and is not characteristic of produced water. Organic constituents reported for SS1-6 were reported as below their respective method detection limits. pH was also reported at approximately the Table 915-1 standard in background sample BG1-1 (8.27).

Based on these results, Entrada recommends that PDC respectfully request that the COGCC grant closure status for Remediation Project #22940.

We appreciate the opportunity to assist PDC Energy, Inc. Please contact me at (804) 513-0707 if you have any questions.

Sincerely,

ENTRADA CONSULTING GROUP

A handwritten signature in black ink, appearing to read 'Ben Baugh', with a stylized flourish at the end.

Ben Baugh, P.G.
Senior Project Geologist

Attachments:

Figure 1 – General Location Map

Figure 2 – Facility Closure Sampling Map

Figure 3 – Facility Closure Excavation Map

Table 1 – Soil Sample and Field Screening Location Information

Table 2 – Soil Analytical Results: Organics

Table 3 – Soil Analytical Results: PAHs

Table 4 – Soil Analytical Results: Inorganics

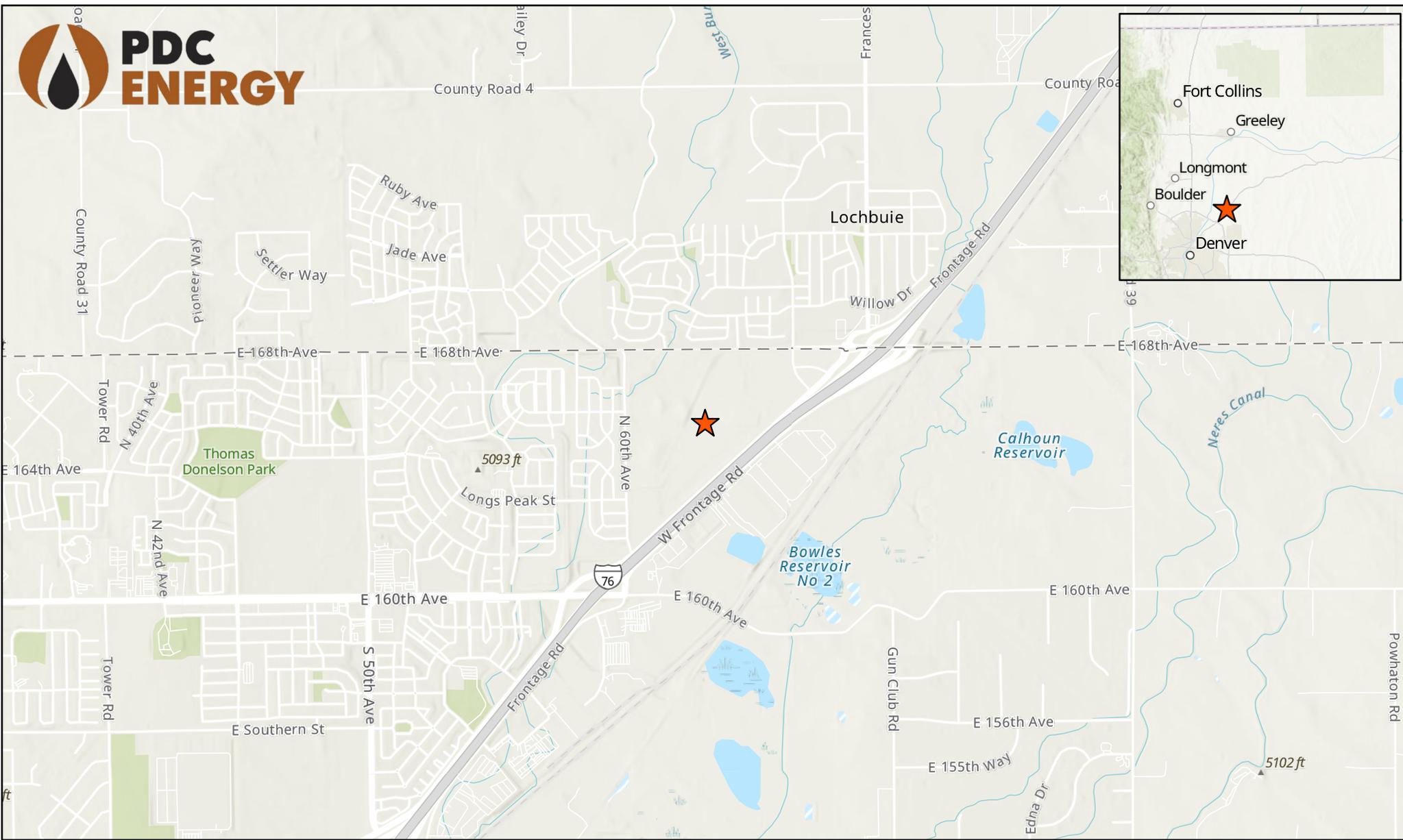
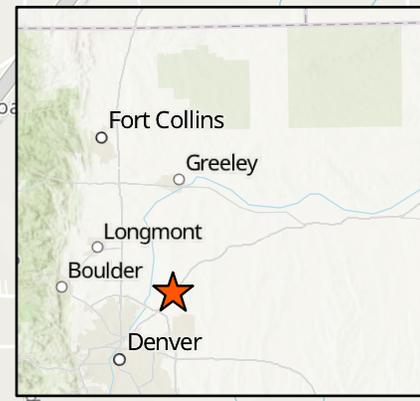
Attachment A: Photographic Log

Attachment B: Facility Closure Checklists

Attachment C: Laboratory Analytical Reports

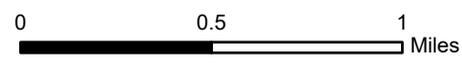
Attachment D: Disposal Manifests

FIGURES

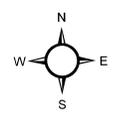


LEGEND

 Site Location



1 inch = 0.5 Mile



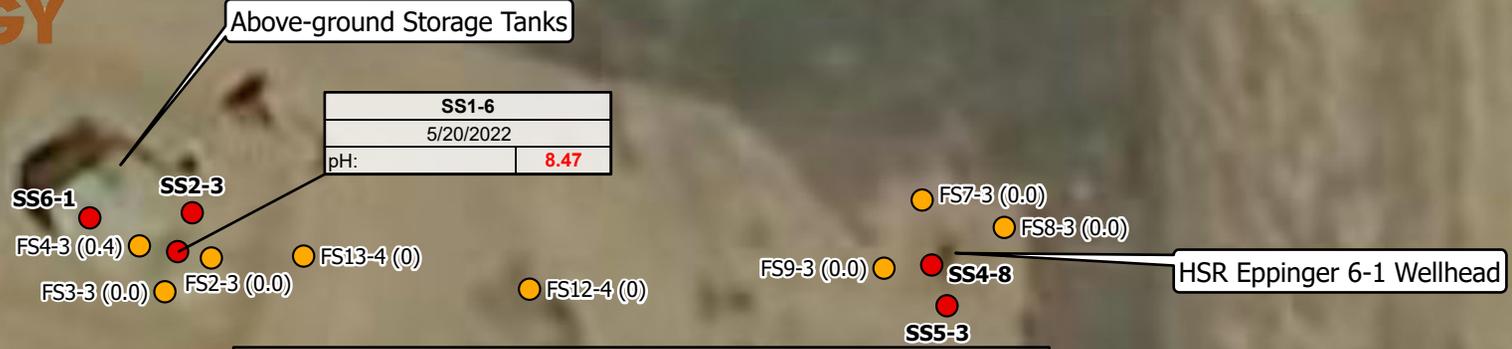
Project No:	022-020
Map By:	JW
Date:	07/12/2022

HSR EPPINGER 6-1 GENERAL LOCATION MAP
 PDC ENERGY
 S 1/2 NW 1/4 SECTION 1
 T1S R66W, 6TH PM
 ADAMS COUNTY, COLORADO



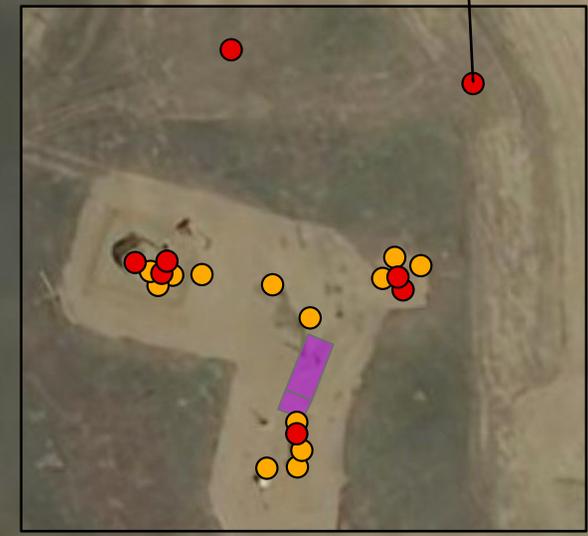
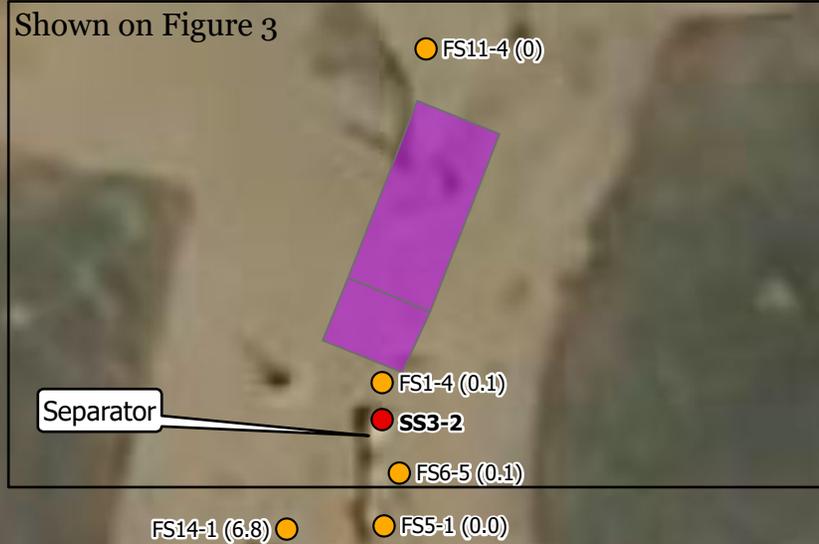
1843 Sunlight Dr.
 Longmont, CO 80504
 303.378.4036

Figure
1



SS1-6	
5/20/2022	
pH:	8.47

BG1-1	
5/20/2022	
pH:	8.27



LABEL LEGEND
 SS#-#: SOIL SAMPLE - DEPTH BELOW GROUND SURFACE (FEET)
 FS: FIELD SCREENING SAMPLE
 BG: BACKGROUND SAMPLE

LEGEND

- Soil Sample
- Screening Location
- Excavation Extent

NOTES:
 - Sample Label (PID Result in ppm)
 - ppm = parts per million

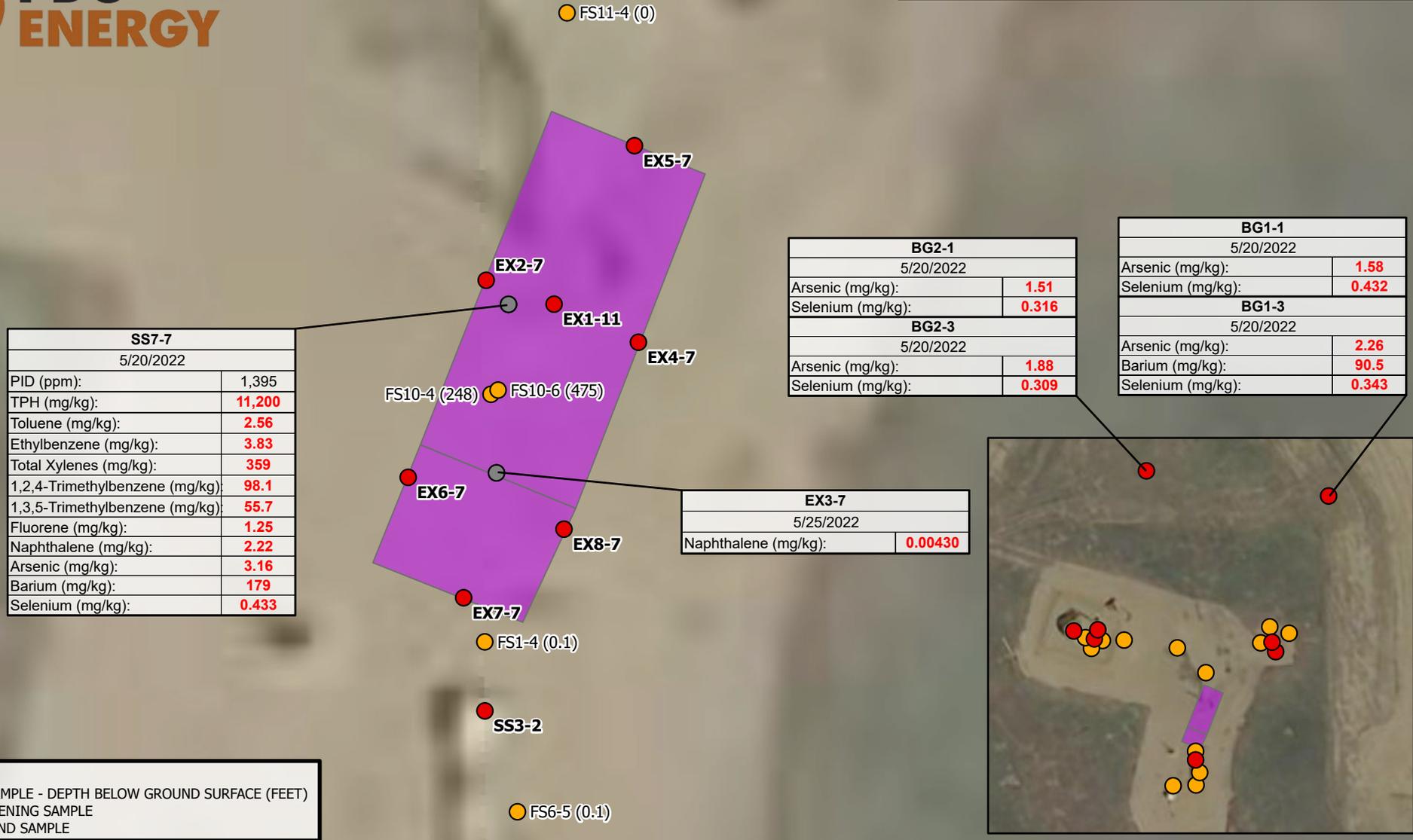
0 25 50 Feet
 1 inch = 25 Feet

Project No: 022-020
 Map By: JW
 Date: 07/21/2022

FACILITY CLOSURE SOIL SAMPLE LOCATIONS AND FIELD SCREENING RESULTS
 HSR EPPINGER 6-1 WELLHEAD
 PDC ENERGY
 S 1/2 NW 1/4 SECTION 1
 T1S R66W, 6TH PM
 ADAMS COUNTY, COLORADO

1843 Sunlight Dr.
 Longmont, CO 80504
 303.378.4036

Figure
 2



LABEL LEGEND
 SS#-#: SOIL SAMPLE - DEPTH BELOW GROUND SURFACE (FEET)
 FS: FIELD SCREENING SAMPLE
 BG: BACKGROUND SAMPLE

LEGEND

- Soil Sample
- Screening Location
- Soil Sample (Removed by Excavation)
- Excavation Extent

NOTES:
 - Sample Label (PID Result in ppm)
 - ppm = parts per million

0 10 20 Feet
 1 inch = 10 Feet

Project No: 022-020
 Map By: JW
 Date: 07/12/2022

EXCAVATION SOIL SAMPLE LOCATIONS
 HSR EPPINGER 6-1 WELLHEAD
 PDC ENERGY
 S 1/2 NW 1/4 SECTION 1
 T1S R66W, 6TH PM
 ADAMS COUNTY, COLORADO

1843 Sunlight Dr.
 Longmont, CO 80504
 303.378.4036

Figure
 3

TABLES

TABLE 1
Soil Sample and Field Screening Information
HSR Eppinger 6-1 Tank Battery and Wellhead, Adams County, CO

Sample Information				
Sample ID	Depth	Sample Date	Latitude	Longitude
Units -->	ft-bgs	mm/dd/yyyy	Decimal Degree (NAD83)	
BG1	3	5/20/2022	39.99671943	-104.7275909
BG2	3	5/20/2022	39.99676016	-104.727952
EX1-11	11	5/25/2022	39.99639596	-104.7278414
EX2-7	7	5/25/2022	39.99640063	-104.7278581
EX3-7	7	5/25/2022	39.99636388	-104.727856
EX4-7	7	5/25/2022	39.99638856	-104.7278205
EX5-7	7	5/25/2022	39.99642605	-104.7278211
EX6-7	7	5/31/2022	39.99636317	-104.7278779
EX7-7	7	5/31/2022	39.99634012	-104.7278644
EX8-7	7	5/31/2022	39.99635303	-104.7278394
SS1-6	6	5/20/2022	39.99650447	-104.7280583
SS2-3	3	5/20/2022	39.99651832	-104.7280513
SS3-2	2	5/20/2022	39.9963185	-104.7278594
SS4-8	8	5/20/2022	39.99649715	-104.7277057
SS5-3	3	5/20/2022	39.99648261	-104.7276987
SS6-1	1	5/20/2022	39.99651685	-104.728099
SS7-7	7	5/20/2022	39.9963960	-104.7278527
FS1-4	4	5/20/2022	39.99633167	-104.7278593
FS2-3	3	5/20/2022	39.99650187	-104.7280423
FS3-3	3	5/20/2022	39.99649002	-104.7280642
FS4-3	3	5/20/2022	39.99650653	-104.7280758
FS5-1	1	5/20/2022	39.99628025	-104.727859
FS6-5	5	5/20/2022	39.99629921	-104.7278515
FS7-3	3	5/20/2022	39.99652055	-104.7277099
FS8-3	3	5/20/2022	39.99651055	-104.7276717
FS9-3	3	5/20/2022	39.99649622	-104.7277281
FS10-4	4	5/20/2022	39.99637888	-104.7278572
FS10-6	6	5/20/2022	39.99637967	-104.7278554
FS11-4	4	5/20/2022	39.9964515	-104.7278375
FS12-4	4	5/20/2022	39.99648968	-104.7278937
FS13-4	4	5/20/2022	39.99650229	-104.7279992
FS14-1	1	5/20/2022	39.99627938	-104.7279044

Notes:

ft-bgs - feet below ground surface



TABLE 2
HSR Eppinger 6-1 Tank Battery and Wellhead, Adams County, CO
Soil Analytical Results Summary Table - Organics

Sample Information				BTEXN + TMBs							TPH			
Sample ID	Depth	Sample Date	PID Field Screening	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Naphthalene	1,2,4-TMB	1,3,5-TMB	GRO	DRO	ORO	TPH
Units -->	ft-bgs	mm/dd/yyyy	ppm	mg/kg							mg/kg			
COGCC RSSL -->				1.2	490	5.8	58	2	30	27	500	500	500	500
COGCC GWSSL -->				0.0026	0.69	0.78	9.9	0.0038	0.0081	0.0087	500	500	500	500
SS1-6	6	5/20/2022	0.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<125
SS2-3	3	5/20/2022	0.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<125
SS3-2	2	5/20/2022	0.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<125
SS4-8	8	5/20/2022	0.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<125
SS6-1	1	5/20/2022	0.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<125
SS7-7	7	5/20/2022	1395.0	<0.00200	2.56	3.83	359	2.22	98.1	55.7	1,890	6,980	2,330	11,200
EX1-11	11	5/25/2022	13.4	<0.00200	<0.00200	<0.00200	0.00408	<0.00380	0.00266	<0.00200	<0.200	<25.0	<100	<125.2
EX2-7	7	5/25/2022	3.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<25.0	<100	<125.2
EX3-7	7	5/25/2022	24.0	<0.00200	<0.00200	<0.00200	<0.00200	0.00430 ²	0.00670 ²	0.00742	0.659	<25.0	<100	<125.2
EX4-7	7	5/25/2022	0.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<25.0	<100	<125.2
EX5-7	7	5/25/2022	0.6	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<25.0	<100	<125.2
EX6-7	7	5/31/2022	0.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<25.0	<100	<125.2
EX7-7	7	5/31/2022	0.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<25.0	<100	<125.2
EX8-7	7	5/31/2022	0.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.200	<25.0	<100	<125.2

Notes:

Waste Characterization Sample
 Removed by Excavation

- GRO - Gasoline Range Organics
- DRO - Diesel Range Organics
- ORO - Oil Range Organics
- TPH - Total Petroleum Hydrocarbons
- PID - Photo Ionization Detector
- TMB - Trimethylbenzene
- ft-bgs - feet below ground surface

- ppm - parts per million
- COGCC - Colorado Oil and Gas Conservation Commission
- BTEXN - Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene
- RSSL - Residential Soil Screening Level
- GWSSL - Groundwater Soil Screening Level
- < - indicates result is below the laboratory reporting limit
- mg/kg - milligrams per kilogram
- 2 - Rerun result
- Red - Above COGCC Table 915-1 GWSSL**



TABLE 3
HSR Eppinger 6-1 Tank Battery and Wellhead, Adams County, CO
Soil Analytical Results Summary Table - PAHs

Sample Information				PAHs													
Sample ID	Depth	Sample Date	PID Field Screening	Acenaphthene	Anthracene	Benz(a)-anthracene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-methylnaphthalene	2-methylnaphthalene	Pyrene
Units -->	ft-bgs	mm/dd/yyyy	ppm	mg/kg													
COGCC RSSL -->				360	1800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
COGCC GWSSL -->				0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	1.3
SS7-7	7	5/20/2022	1395.0	0.374	0.0275	0.0499	0.0236	0.031	0.028	0.318	0.0157	0.0305	1.25	0.0153	<0.0067	<0.0067	0.132
EX1-11	11	5/25/2022	13.4	<0.00422 ¹	<0.00422 ¹	<0.00422 ¹	<0.00422 ¹	<0.00422 ¹	<0.00422 ¹	<0.00422 ¹							
EX2-7	7	5/25/2022	3.0	<0.00382 ¹	<0.00382 ¹	0.00955 ¹	<0.00382 ¹	<0.00382 ¹	<0.00382 ¹	0.0103 ¹	<0.00382 ¹	<0.00382 ¹	<0.00382 ¹	<0.00382 ¹	<0.00382 ¹	<0.00382 ¹	<0.00382 ¹
EX3-7	7	5/25/2022	24.0	<0.00423 ¹	<0.00423 ¹	<0.00423 ¹	<0.00423 ¹	<0.00423 ¹	<0.00423 ¹	<0.00423 ¹							
EX4-7	7	5/25/2022	0.0	<0.00392 ¹	<0.00392 ¹	<0.00392 ¹	<0.00392 ¹	<0.00392 ¹	<0.00392 ¹	<0.00392 ¹							
EX5-7	7	5/25/2022	0.6	<0.00409 ¹	<0.00409 ¹	<0.00409 ¹	<0.00409 ¹	<0.00409 ¹	<0.00409 ¹	<0.00409 ¹							
EX6-7	7	5/31/2022	0.0	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391	<0.00391
EX7-7	7	5/31/2022	0.0	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407	<0.00407
EX8-7	7	5/31/2022	0.0	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401	<0.00401

Notes:

Waste Characterization Sample
 Removed by Excavation
 ft-bgs - feet below ground surface
 PID - Photo Ionization Detector
 ppm - parts per million
 mg/kg - milligrams per kilogram
 Red- Above COGCC Table 915-1 GWSSL

COGCC - Colorado Oil and Gas Conservation Commission
 RSSL - Residential Soil Screening Level
 GWSSL - Groundwater Soil Screening Level
 < - indicates result is below the laboratory reporting limit
 NA - not analyzed
 1 - 5/25/22 PAH results were run out of holding time

TABLE 4
HSR Eppinger 6-1 Tank Battery and Wellhead. Adams County, CO
Soil Analytical Results Summary Table - Inorganics

Sample Information				Soil Suitability for Reclamation				Metals in Soils									
Sample ID	Depth	Sample Date	PID Field Screening	EC	SAR	pH	Boron	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Units -->	ft-bgs	mm/dd/yyyy	ppm	mmhos/cm	Unitless	Unitless	mg/l	mg/kg									
COGCC RSSL -->				<4	<6	6.0 - 8.3	2	0.68	15000	71	0.3	3100	400	1500	390	390	23000
COGCC GWSSL -->				<4	<6	6.0 - 8.3	2	0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
SS1-6	6	5/20/2022	0.0	0.280	1.64	8.47	0.220	-	-	-	-	-	-	-	-	-	-
SS5-3	6	5/20/2022	0.0	0.897	2.69	7.93	<0.0995	-	-	-	-	-	-	-	-	-	-
SS7-7	7	5/20/2022	1395	2.66	1.37	7.54	0.182	3.16	179	0.222	<0.5	11.3	10.5	13.5	0.433	0.0485	43.9
BG1-1	3	5/20/2022	NM	0.267	0.210	8.27	<0.0989	1.58	54.5	-	-	-	-	-	0.432	-	-
BG1-3	3	5/20/2022	NM	0.268	0.105	8.22	<0.0999	2.26	90.5	-	-	-	-	-	0.343	-	-
BG2-1	3	5/20/2022	NM	0.820	1.05	7.88	0.240	1.51	63.1	-	-	-	-	-	0.316	-	-
BG2-3	3	5/20/2022	NM	0.338	0.0543	8.12	<0.0996	1.88	72.2	-	-	-	-	-	0.309	-	-

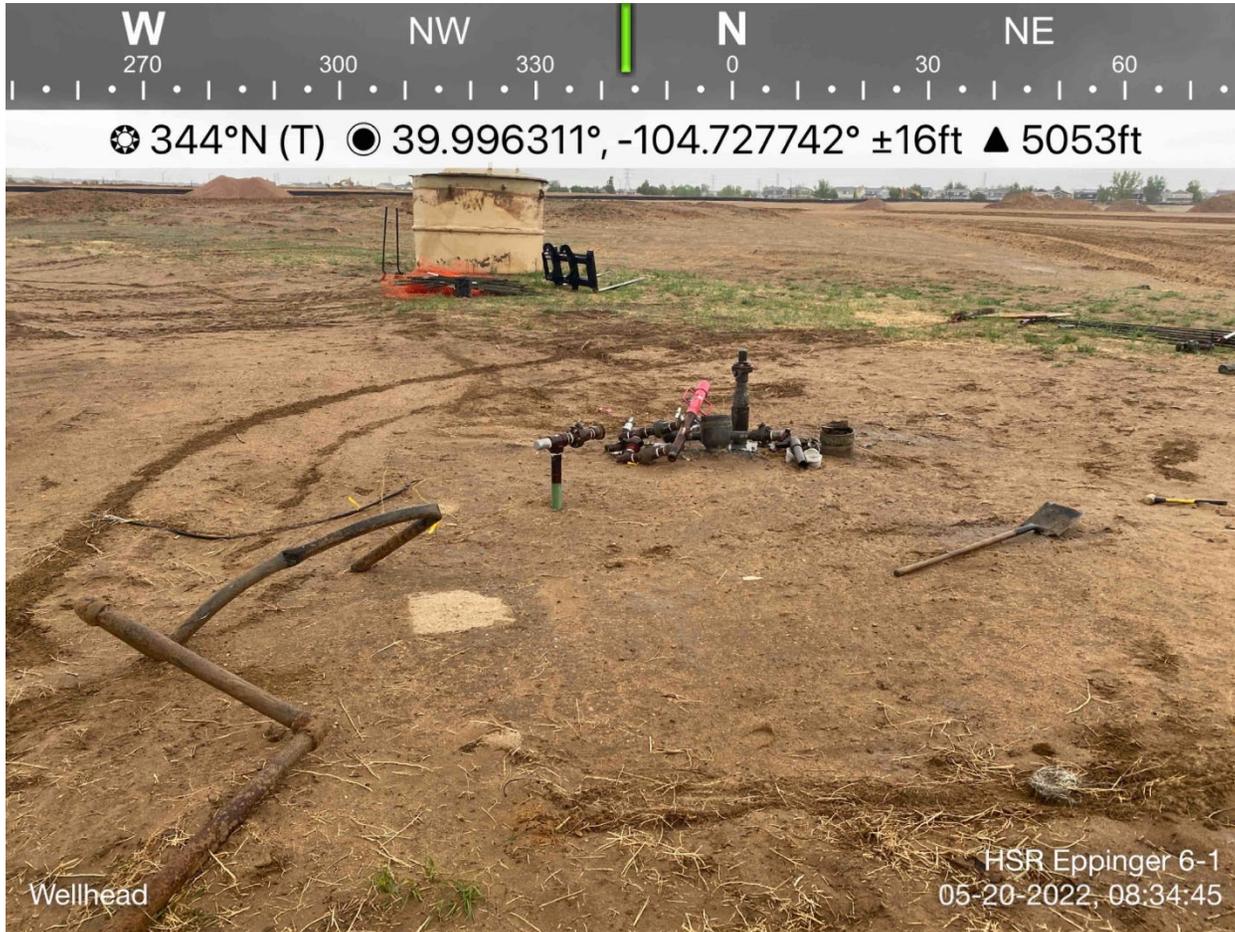
Notes:

Waste Characterization Sample
 PID - Photo Ionization Detector
 EC - Electrical Conductivity
 SAR - Sodium adsorption ratio
 ft-bgs - feet below ground surface
 ppm - parts per million
 - not analyzed
 NM - not measured

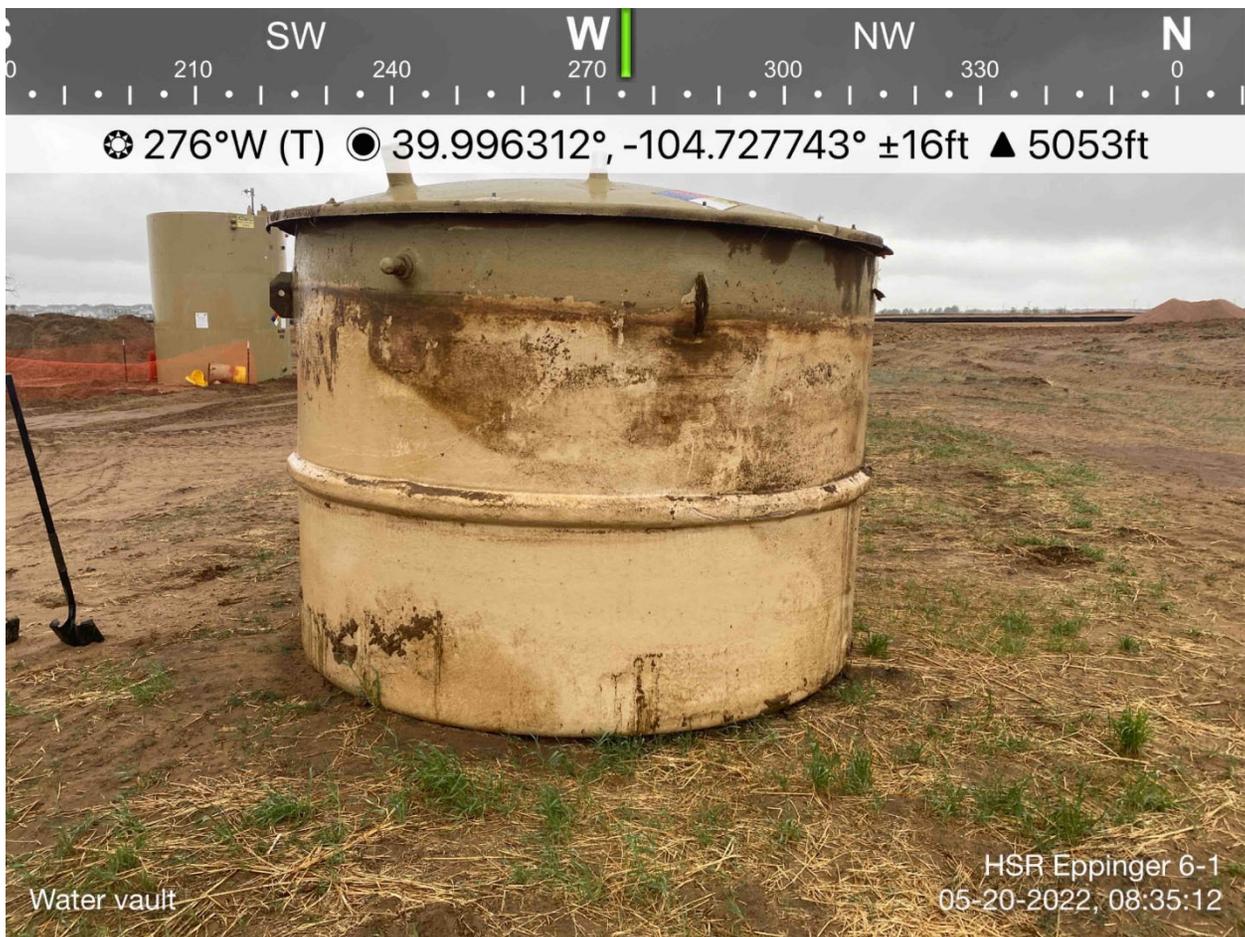
COGCC - Colorado Oil and Gas Conservation Commission
 RSSL - Residential Soil Screening Level
 GWSSL - Groundwater Soil Screening Level
 mmhos/cm - millimeters of mercury per centimeter
 mg/l - milligrams per liter
 mg/kg - milligrams per kilogram
 < - indicates result is below the laboratory reporting limit
Red - Above COGCC Table 915-1 GWSSL

**ATTACHMENT A
PHOTOGRAPHIC LOG**

Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



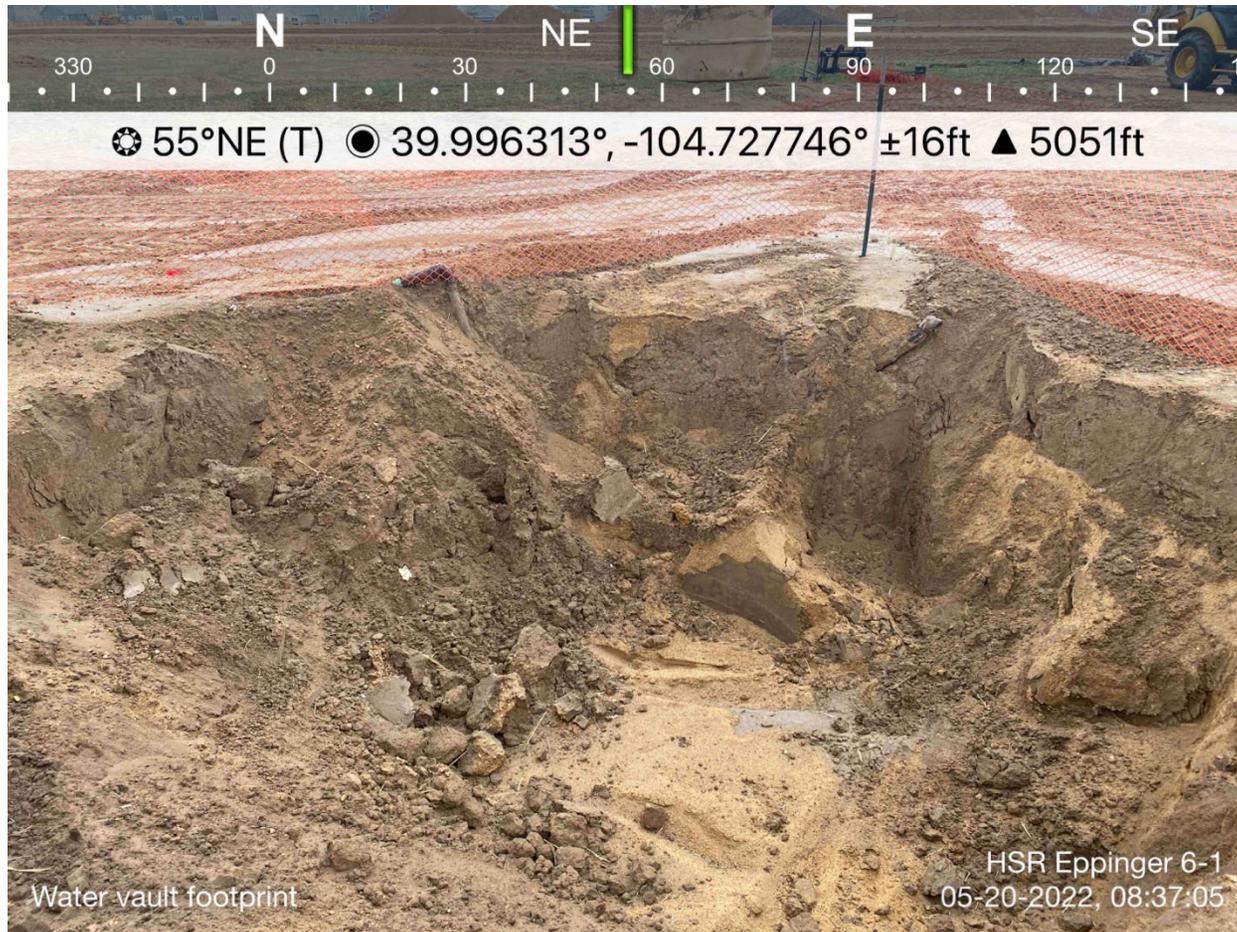
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



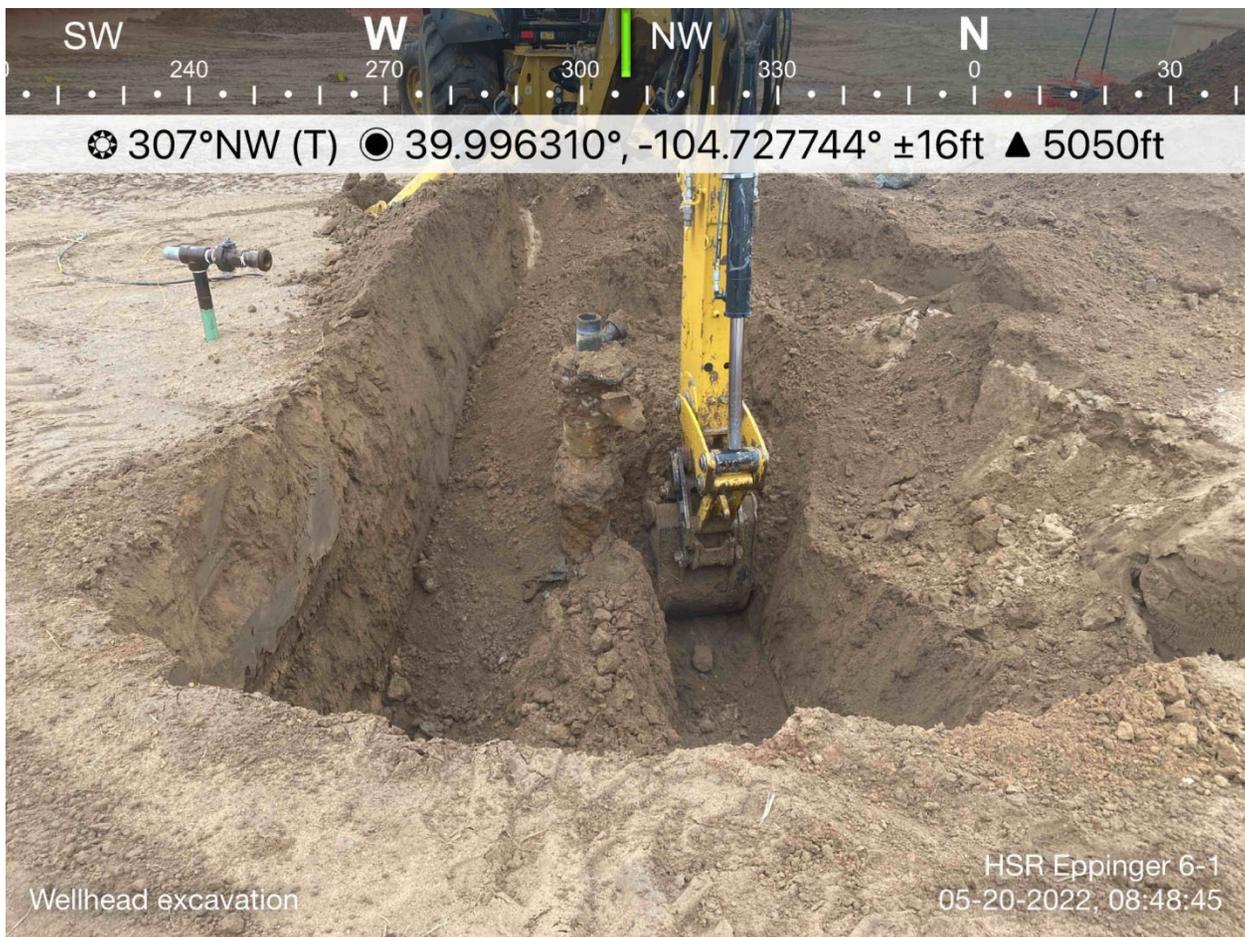
Eppinger 6-1 Production Facility Photographic Log



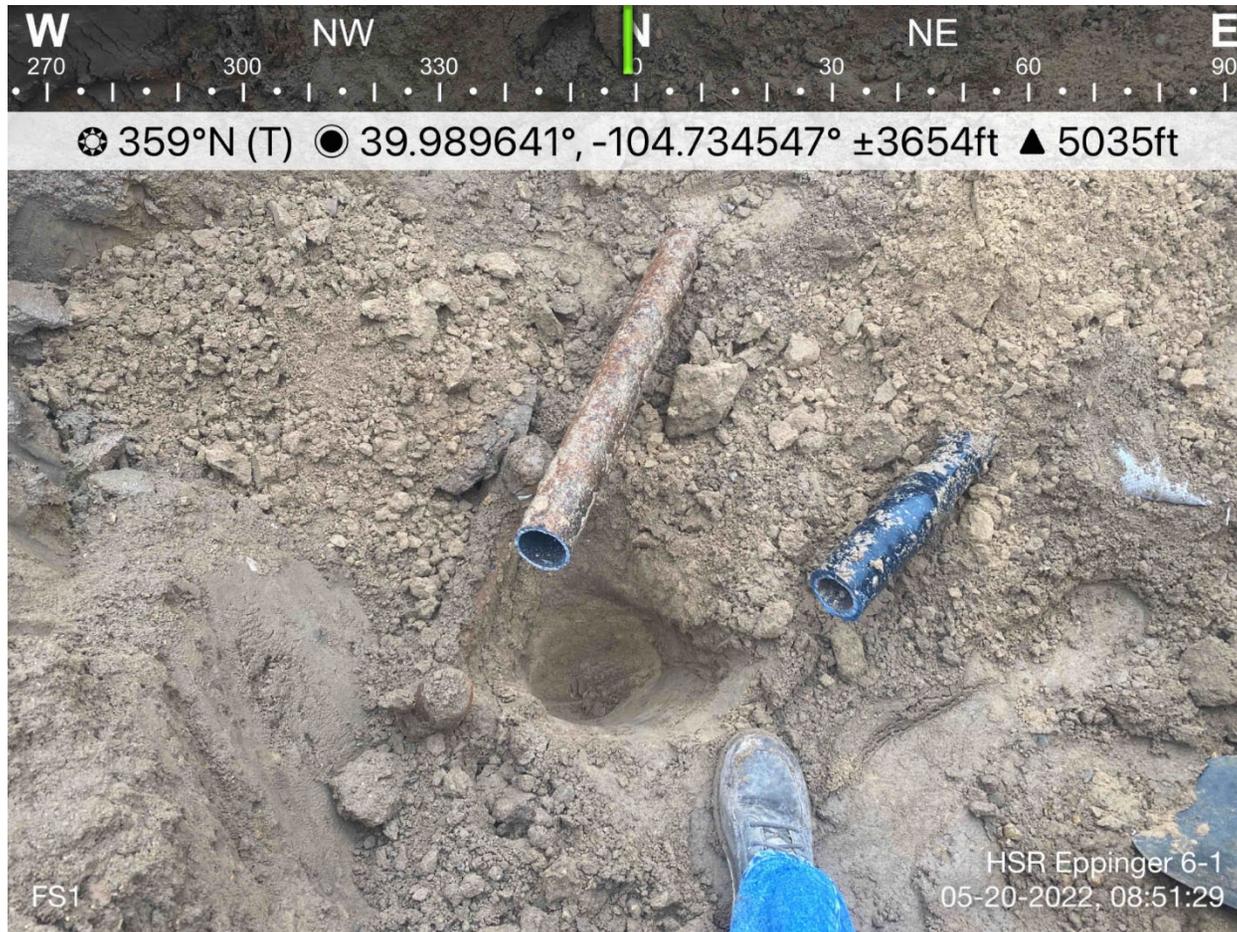
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



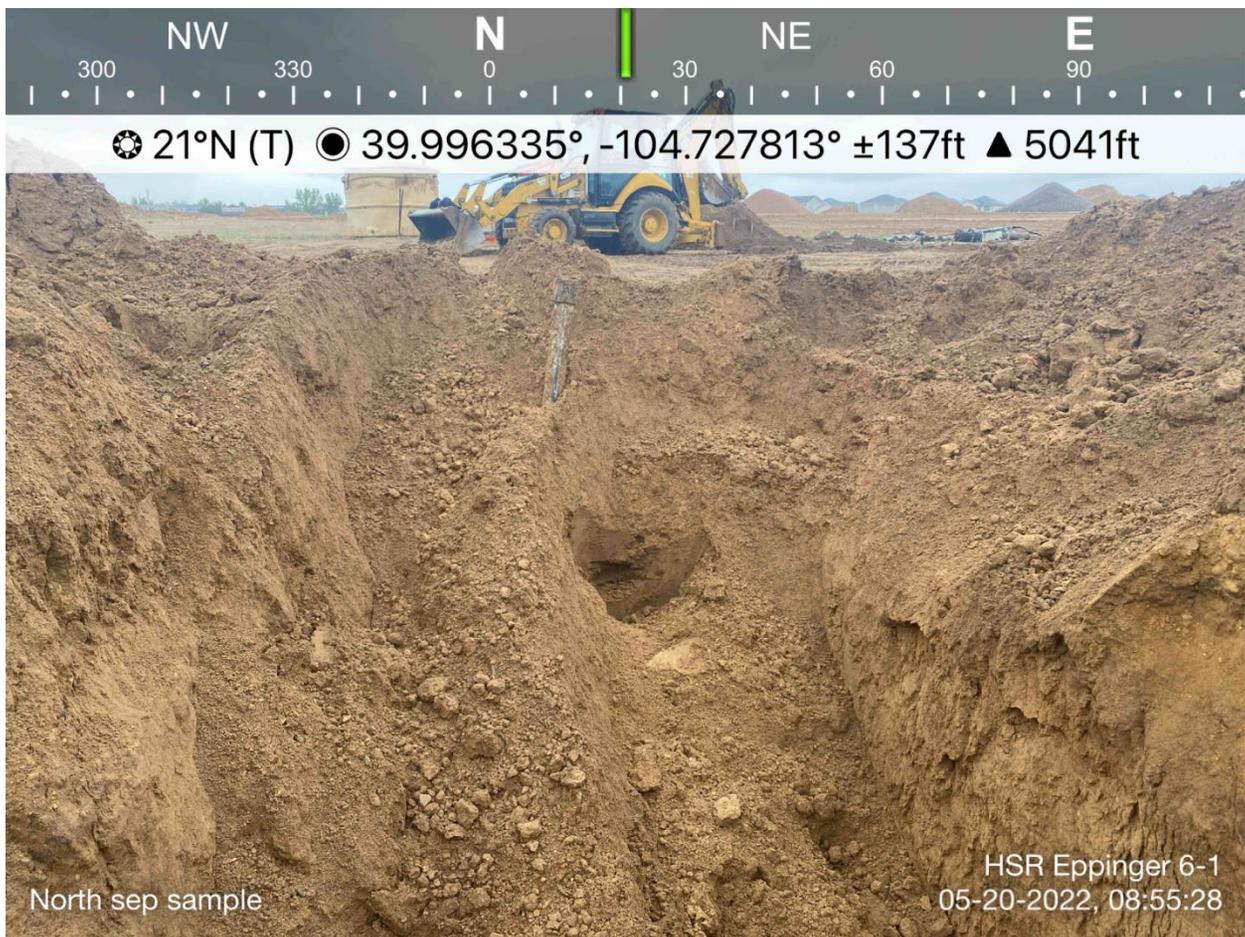
Eppinger 6-1 Production Facility Photographic Log



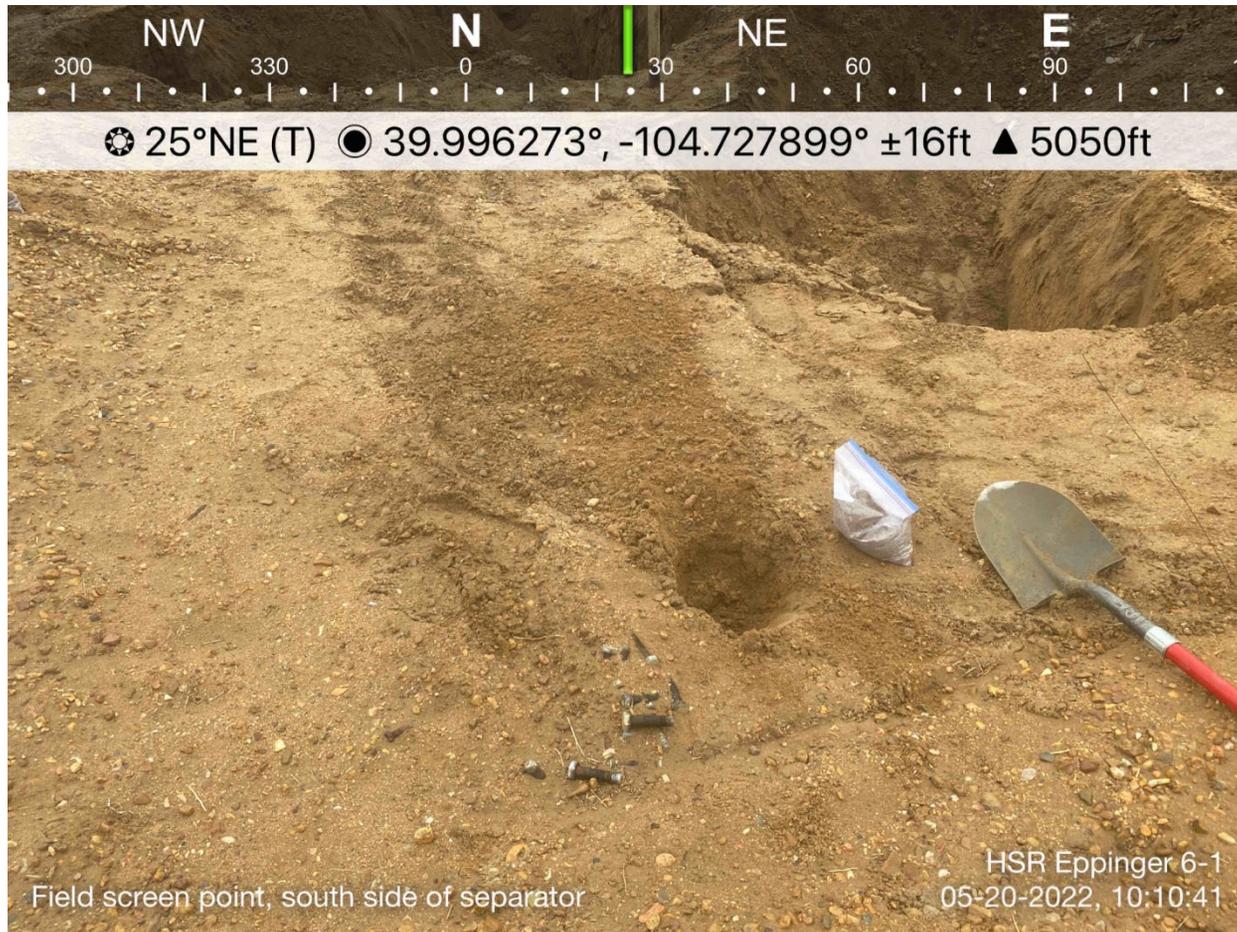
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



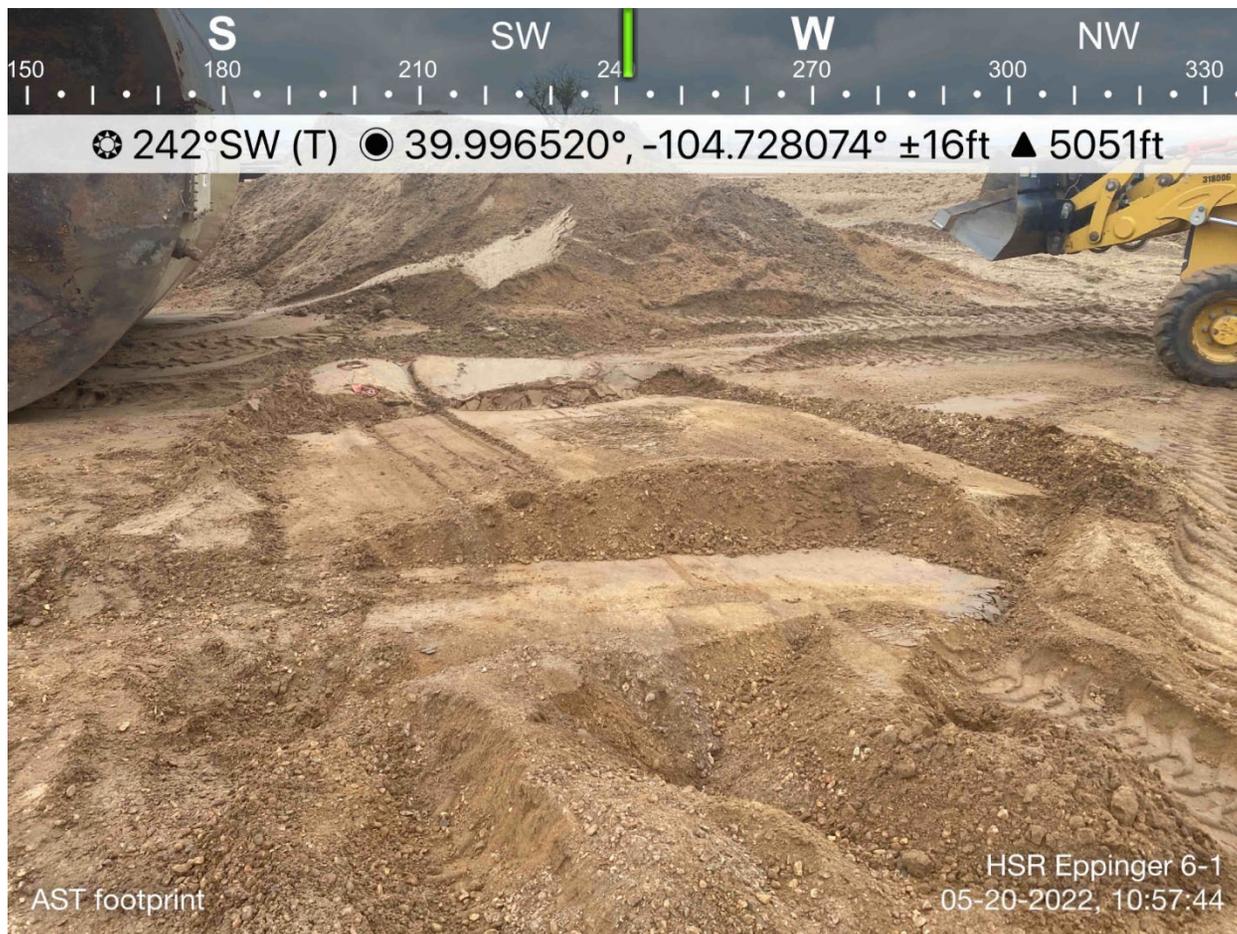
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



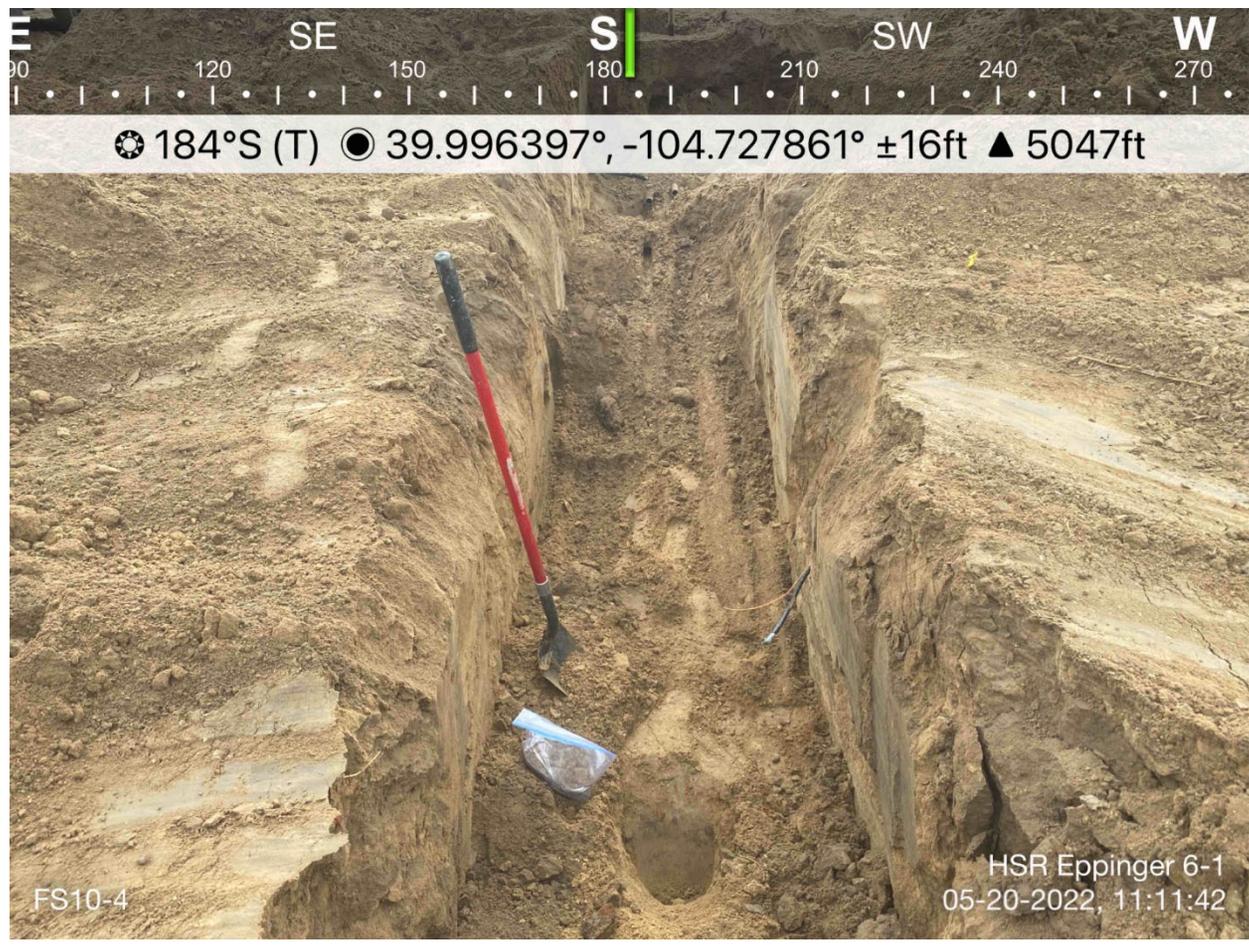
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



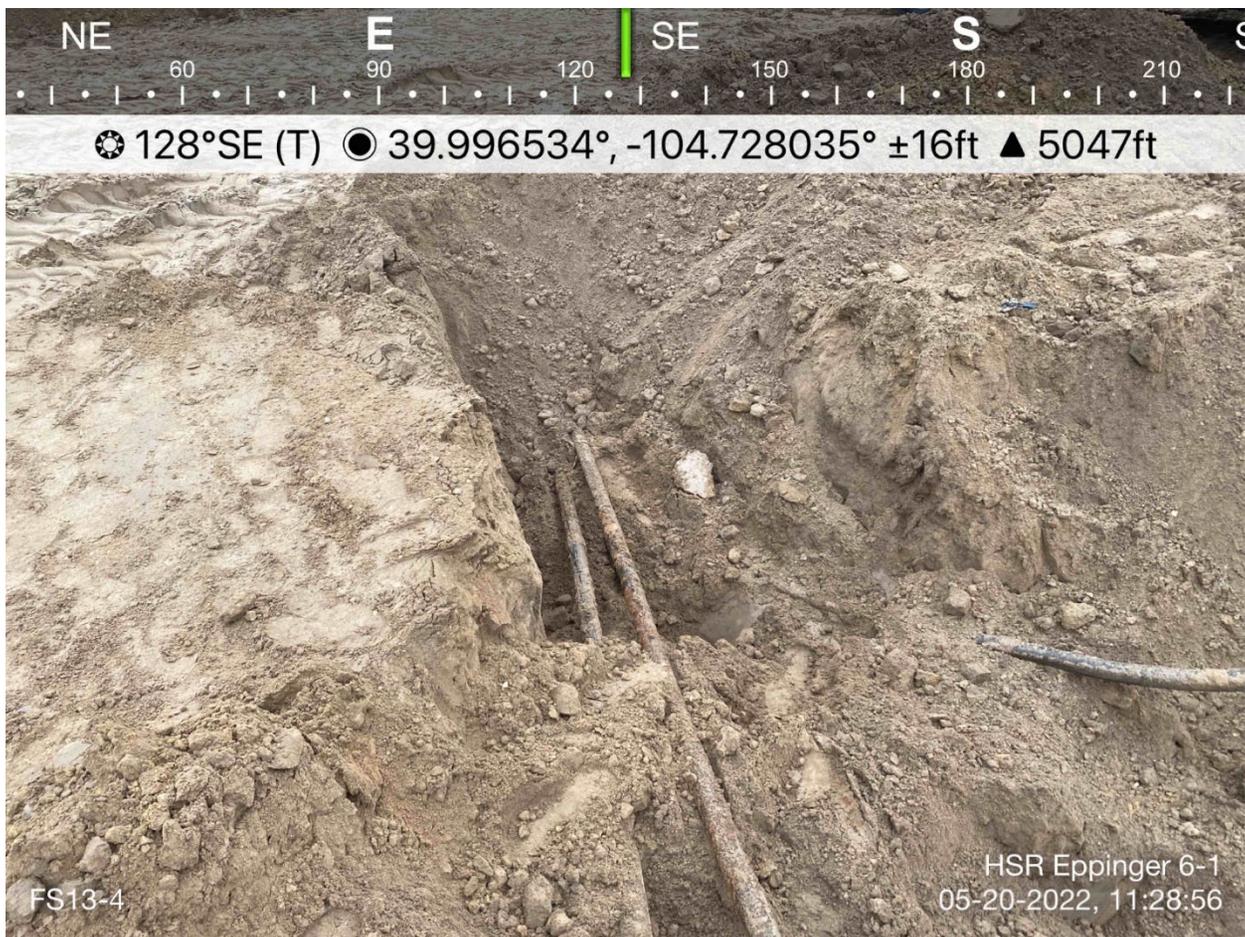
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



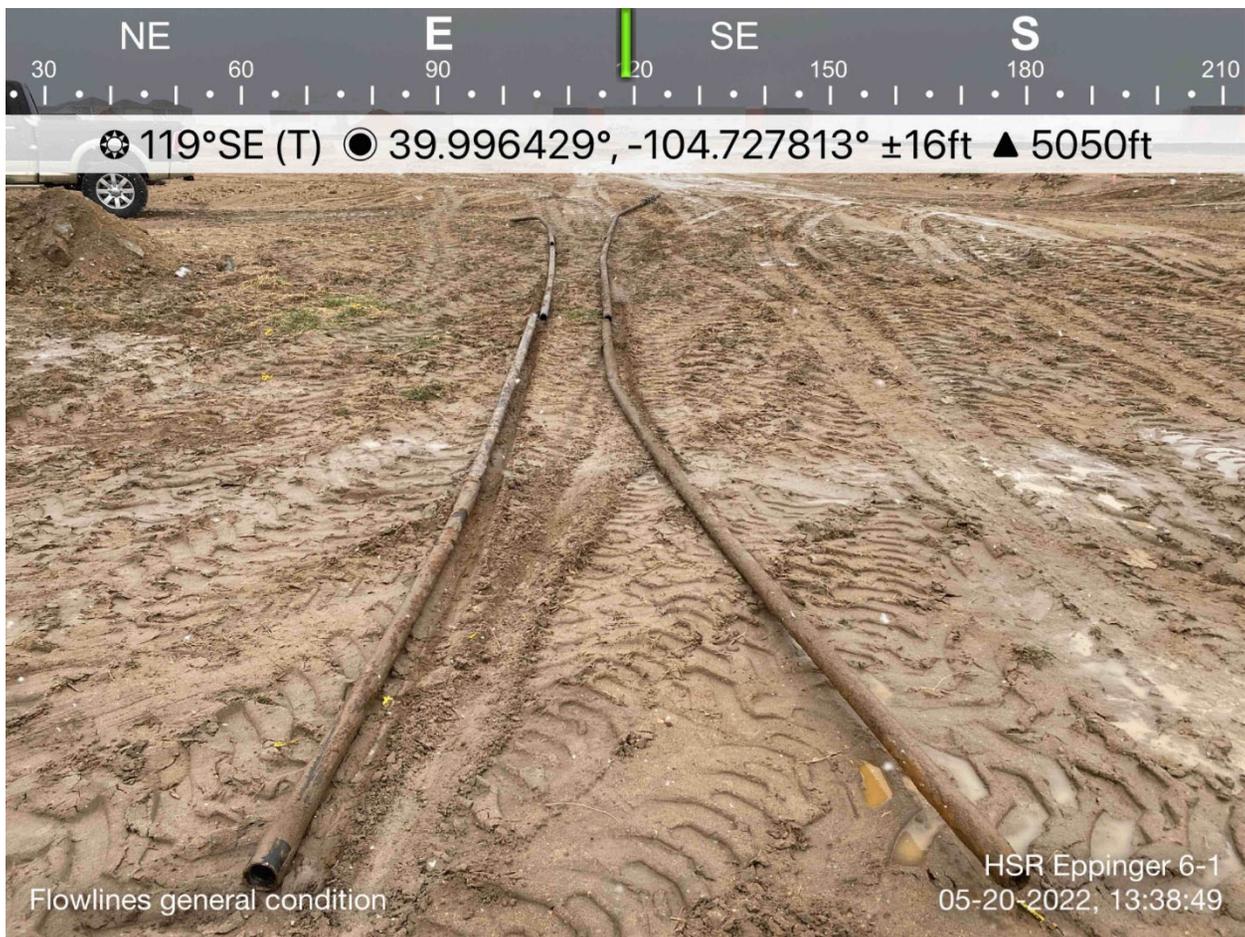
Eppinger 6-1 Production Facility Photographic Log



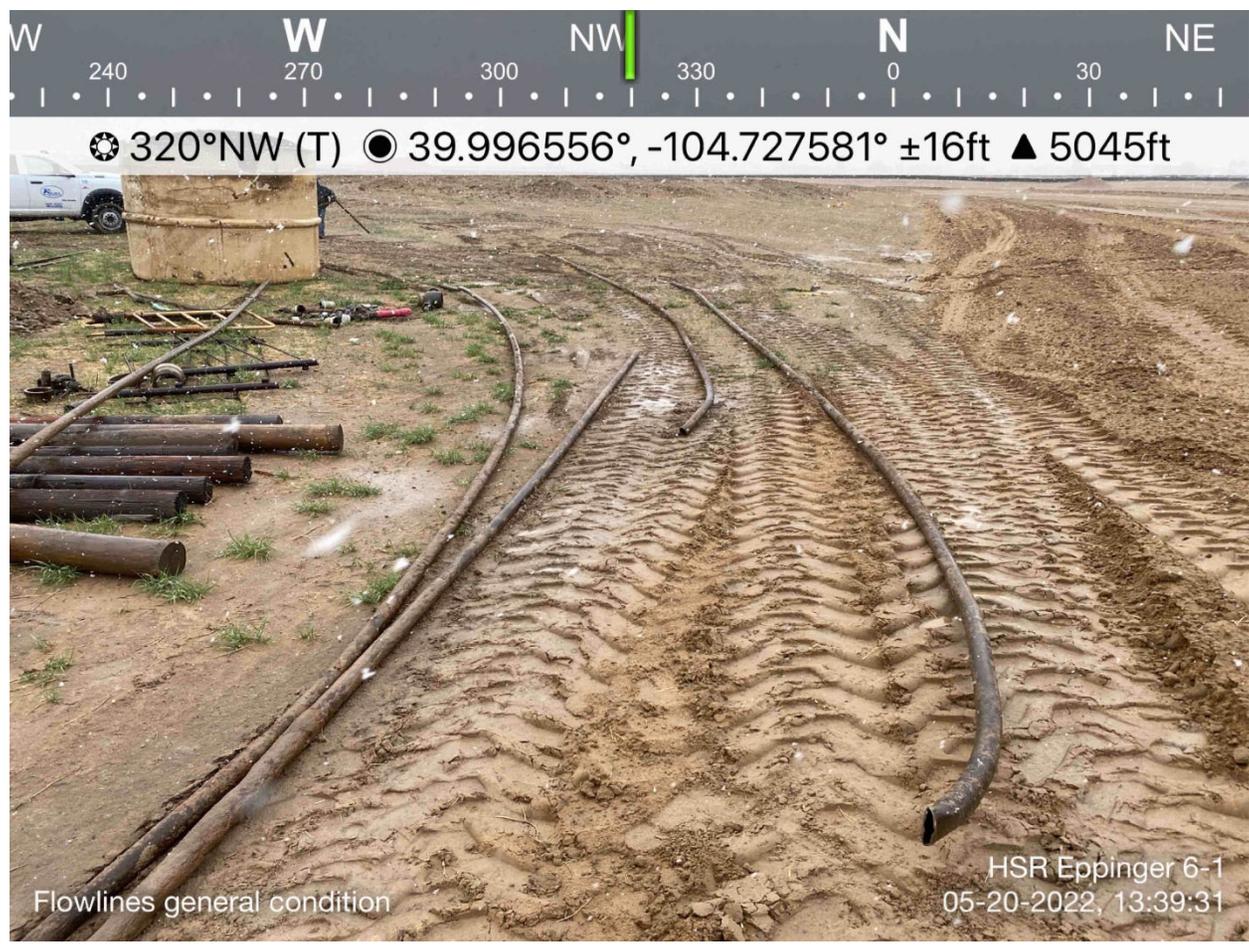
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



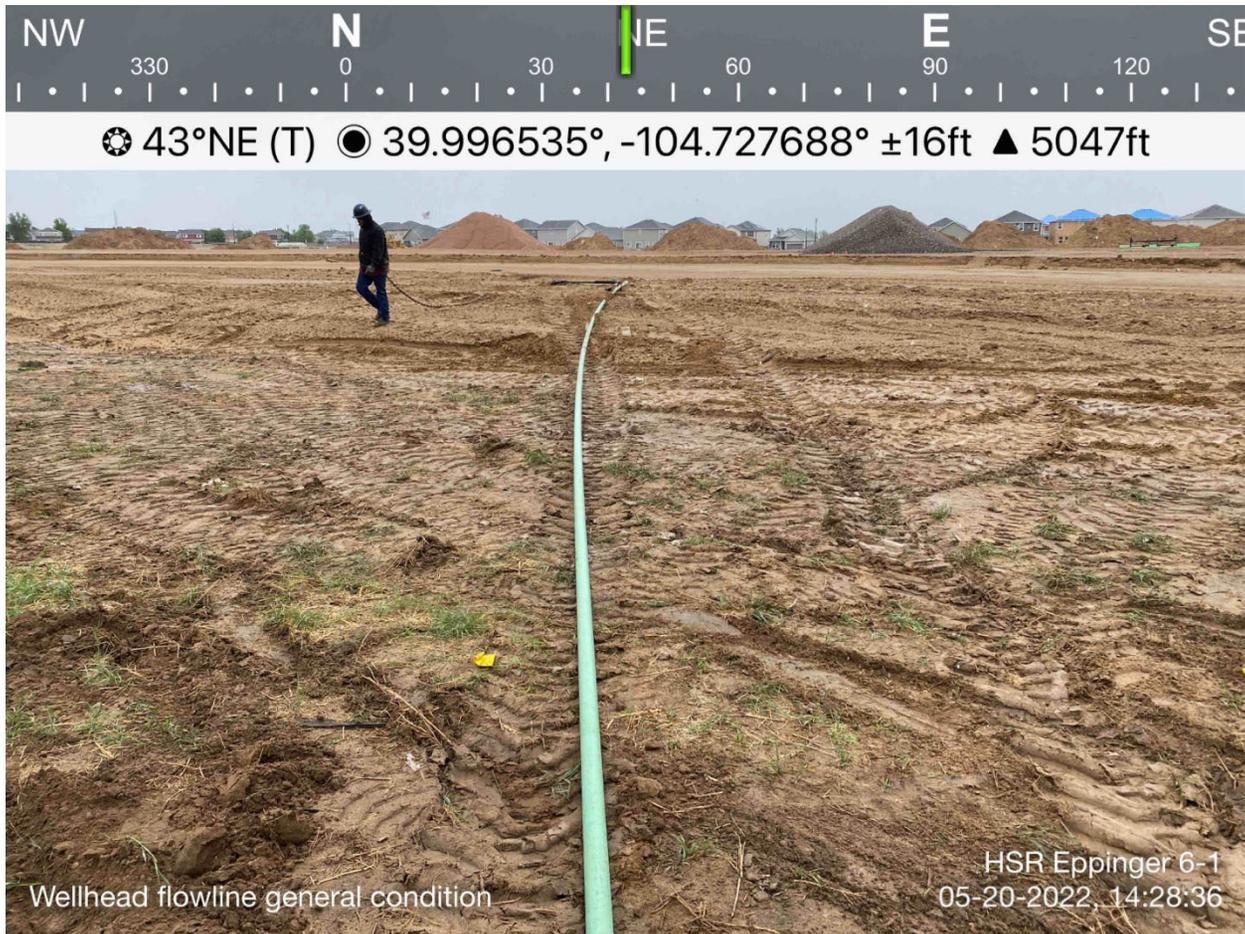
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



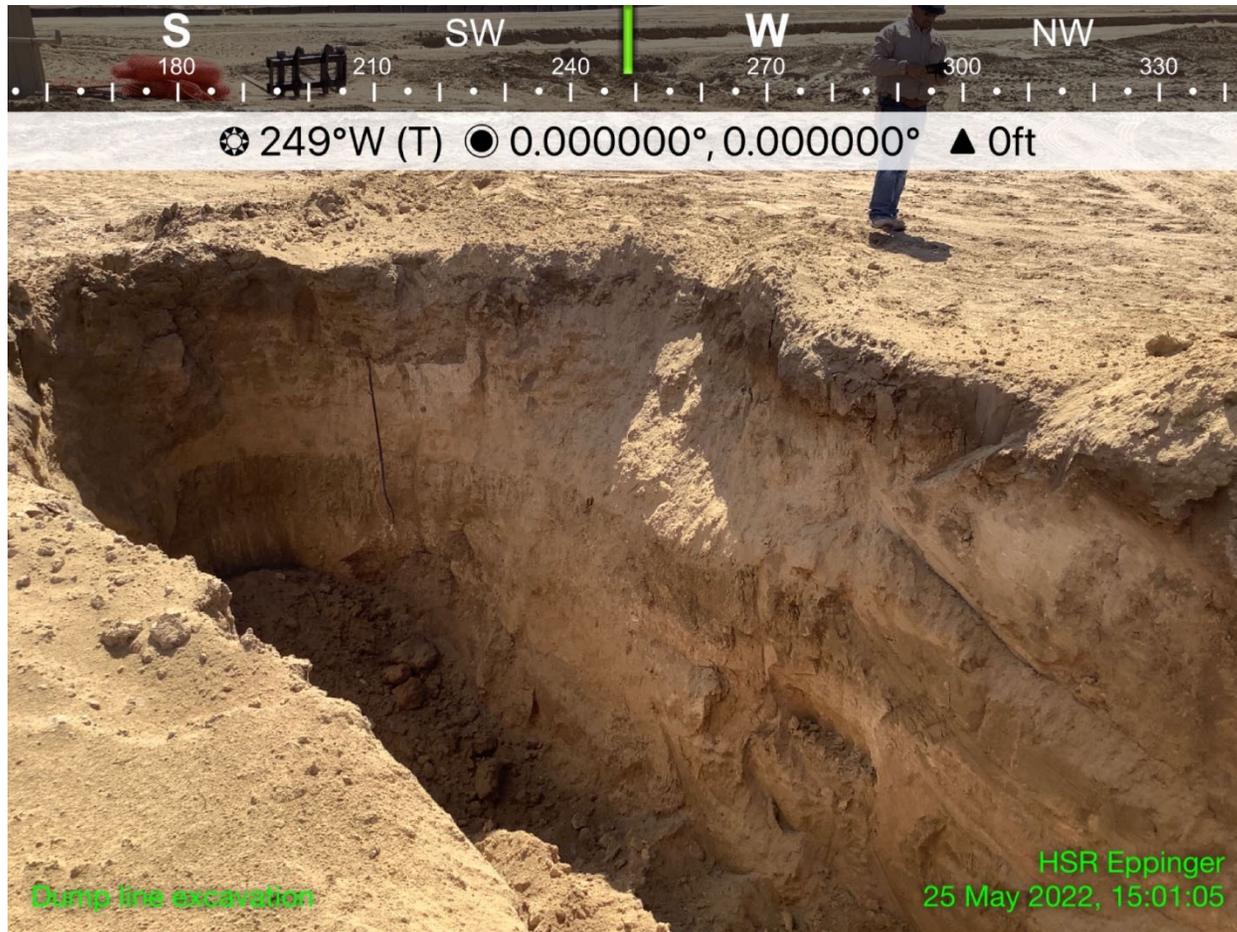
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



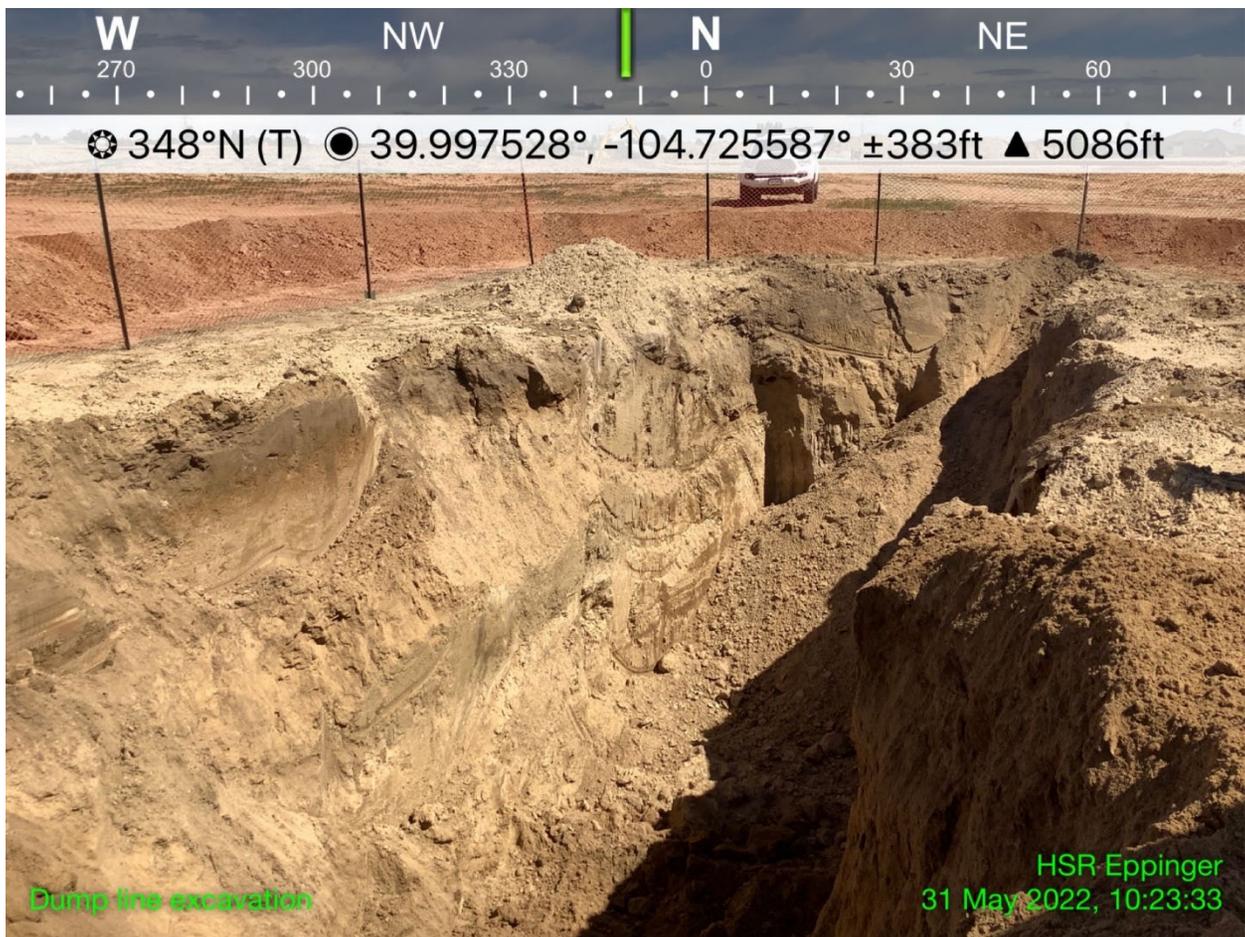
Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



Eppinger 6-1 Production Facility Photographic Log



**ATTACHMENT B
FACILITY CLOSURE CHECKLISTS**

Production Facility

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

Additional attachments (optional):	Pit Closure	Wellhead Closure	Flowline Closure	Partially Buried Vault Closure
Site Name & COGCC Facility Number: HSR Eppings	Date: 320406 5/20/22	Remediation Project #: 22940		
Associated Wells: HSR Eppings 0-1	Age of Site: 1994 Spud	Number of Photos Attached: 33		
Location: (GPS coordinates of southeaster berm)	39.996506 -104.728076	Estimated Facility Size (acres): 0.25		

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

USCS Soil Type: **SM** Estimated Depth to Groundwater: **~30 ft-bys**

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
yes, ~160 yards removed along dumphines

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
none observed

Tanks

Tank Contents	Cinder							
Size (barrels)	300-400							
Age	Unknown							
Construction	Steel							
Tank type	AST							
Visual Integrity	Good							
Condition of tank	Good							
PID Readings	0.5							
Soil impacts present at valves or hatches?	NO							
PID Readings	# -							
Sample taken? Location/ Sample ID#	556-1							
Photo Number(s)	3-4, 16-17							

Other observations regarding tanks: **None**

Separators

Separator size	Unknown							
Vertical or	Horizontal							
Age	Unknown							
Soil impacts	None							
PID Readings	0.0, 0.1							
Sample taken? Location/ Sample ID#	553-2							
Photo Number(s)	6-7							

Other observations regarding separators: **None**

Third Party Equipment

Type	Major							
Age	Unknown							

Third Party	Unknown								
Removal Date	Unknown								
Sample taken?	FSH-1								
PID Readings	6.9								
Photo Number(s)	18								
Other Facility Equipment									
Equipment type	None								
Equipment	↓								
Age	↓								
Soil impacts	↓								
PID Readings	↓								
Sample taken?	↓								
Photo Number(s)	↓								
Other observations regarding other facility or third party equipment:									
None									
Summary									
Was impacted soil identified?									
No			Yes - less than 10 cubic yards			<input checked="" type="radio"/> Yes - more than 10 cubic yards			
Total number of samples field screened:					Total number of samples collected:				
11					9				
Highest PID Reading:					Total number of samples submitted to lab for analysis:				
1395					9				
If more than 10 cubic yards of impacted soil were observed:									
Vertical extent:									
8-10 ft-high					Estimated spill volume:				
Lateral extent:					Volume of soil removed:				
33' x 12'					Unknown				
Is additional investigation required?									
No									
Was groundwater encountered during the investigation?									
<input checked="" type="radio"/> 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?				
NA					Yes NA 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:									

Buried or Partially Buried Vessel Closure Checklist

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

Additional attachments (optional):		Pit Closure		Wellhead Closure		Flowline Closure		Tank Battery Closure	
Site Name & COGCC Facility Number: HSR Epping		Date: 3/20/06 5/00/02				Remediation Project #: 22940			
Associated Wells: 6-1		Age of Site: 1994 Spud				Number of Photos Attached: 33			
Location: (GPS coordinates of vault or southeastern tank berm for multiple)						Estimated Facility Size (acres):			
39.996506 -104.728076						0.25			
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)									
Overall good									
USCS Soil Type: SM					Estimated Depth to Groundwater: ~30 ft-bys				
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									
Buried or Partially Buried Vessels									
Tank Contents	PW								
Size (barrels)	Unknown								
Age	Unknown								
Construction	Fiberglass								
Visual Integrity	Good								
Condition of tank	Good								
PID Readings	0.4								
Condition of PID Readings	-								
PID Readings	-								
Sample taken? Location/Sample ID#	551, 552								
Photo Number(s)	2, 5								
Other observations regarding partially buried vessels:									
None									
Summary									
Was impacted soil identified?									
<input checked="" type="radio"/> 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: 2				
Highest PID Reading: 0.4					Total number of samples submitted to lab for analysis: 2				
If more than 10 cubic yards of impacted soil were observed:									
Vertical extent: NA					Estimated spill volume: NA				
Lateral extent: ↓					Volume of soil removed: ↓				
Is additional investigation required?									
No									
Was groundwater encountered during the investigation?									
<input checked="" type="radio"/> No		Yes - not impacted or in contact with impacted soils				Yes - groundwater impacted and/or in contact with impacted soils			
Measured depth to groundwater: NA					Was remedial groundwater removal conducted? Yes NA 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: ↓									

Wellhead Closure Checklist

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

Additional attachments (optional):	Pit Closure	Tank Battery Closure	Flowline Closure	Partially Buried Vault Closure
Site Name & COGCC Facility Number: HSR Eppinger	Date: 203676	5/20/22		Remediation Project #: 22940
Associated Wells: 6-1	Age of Site: 1994 Spud			Number of Photos Attached: 33
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 39.996000 -104.727725				Estimated Facility Size (acres): 0.25

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

USCS Soil Type: **SM** Estimated Depth to Groundwater: **~30 ft-bys**
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	Age	Condition of surface around wellhead	PID Readings	Condition of subsurface (assuming recent)	PID Readings	Sample taken? Location/Sample ID#	Photo Number(s)
001-09236	1994	Good	0.0	Good	0.0	554, 555	8, 14-15

Other observations regarding wellheads:
None

Summary

Was impacted soil identified?		<input checked="" type="radio"/> 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:	2	
Highest PID Reading:	0.0	Total number of samples submitted to lab for analysis:	2	
If more than 10 cubic yards of impacted soil were observed:				
Vertical extent:	NA	Estimated spill volume:	NA	
Lateral extent:	↓	Volume of soil removed:	↓	
Is additional investigation required? ↓				
Was groundwater encountered during the investigation?				
<input checked="" type="radio"/> No	Yes - not impacted or in contact with impacted soils	Yes - groundwater impacted and/or in contact with impacted soils		
Measured depth to groundwater:	NA	Was remedial groundwater removal conducted?	Yes	No NA
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		Wellhead Closure		Pit Closure		Partially Buried Vault Closure
Site Name & COGCC Facility Number: HSR Eppinger		Date: 203676 5/20/02		Remediation Project #: 22940		Associated Wells: 6-1		
Age of Site: 1994 Spnd				Number of Photos Attached: 33				

Starting point: (GPS coordinates and descriptions)
 39.996496 -104.727693, WH riser 1/2-25'

End point: (GPS coordinates and descriptions)
 39.996282 -104.727856, Sep riser 1/2-25'

USCS Soil Type: SN Estimated Depth to Groundwater: ~30 ft-bys

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
 none observed - see battery checklist

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
 none observed

Flowlines

Flowline type	2"						
Depth	3-4'						
Age	Unknown						
Length	~55'						
Construction Material	Steel						
Were flowlines pulled?	yes						
Visual Integrity of lines	Good						
Visual impacts if trenched	-						
PID Readings if trenched	-						
Sample taken? Location/Sample ID#	SS5, FS6						
Photo Number(s)	24-27						

Other observations regarding on location flowlines:
 none

Summary

Was impacted soil identified?
 No Yes - less than 10 cubic yards Yes - more than 10 cubic yards

Total number of samples field screened:	2	Total number of samples collected:	1
Highest PID Reading:	0.1	Total number of samples submitted to lab for analysis:	1

If more than 10 cubic yards of impacted soil were observed:

Vertical extent:	NA	Estimated spill volume:	NA
Lateral extent:	↓	Volume of soil removed:	NA

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:	NA	Was remedial groundwater removal conducted? Yes	NA	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:	↓		↓	

**ATTACHMENT C
LABORATORY ANALYTICAL REPORTS**



May 27, 2022

Entrada Consulting Group

Jeremy Pike

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - HSR - Eppinger 6-1

Project Number - -

Attached are your analytical results for HSR - Eppinger 6-1 received by Origins Laboratory, Inc. May 20, 2022. This project is associated with Origins project number Y205555-01.

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

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS1-6	Y205555-01	Soil	May 20, 2022 9:00	05/20/2022 16:00
SS2-3	Y205555-02	Soil	May 20, 2022 9:05	05/20/2022 16:00
SS3-2	Y205555-03	Soil	May 20, 2022 9:10	05/20/2022 16:00
SS4-8	Y205555-04	Soil	May 20, 2022 10:45	05/20/2022 16:00
SS5-3	Y205555-05	Soil	May 20, 2022 10:50	05/20/2022 16:00
SS6-1	Y205555-06	Soil	May 20, 2022 12:15	05/20/2022 16:00

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.

Jen Pellegrini, Project Manager

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

www.originslaboratory.com

Bill to Jason Davidson at
 PDC Energy

page 1 of 1

420555



Client: Entrada Consulting Group
 Address: 1843 Sunlight Dr., Longmont, Colorado
 Telephone Number: 435-630-4748
 Email Address: jpik@entradainc.com,
 bbaugh@entradainc.com, jason.davidson@pdc.com, mark.longhurst@pdc.com

Project Manager: Jeremy Pike
 Project Name: HSR-Eppinger 6-1
 Project Number:
 Samples Collected By: Jeremy Pike

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	As Summ #	Other	ETAAN, TMB, TPH GROU, ERUORO	
551-6	5/20/22	0900	2	X				X				X	1
552-3		0905	2	X				X				X	2
553-2		0910	2	X				X				X	3
554-8		1045	2	X				X				X	4
555-3		1050	2	X				X				X	5
556-1		1215	2	X				X				X	6
													7
													8
													9
													10
Relinquished By: JWP/2	Date: 5/20/22	Time: 1600						Received By: KAH	Date: 5/20/22	Time: 1600	Turnaround Time: 24 Hr		
Relinquished By: JWP/2	Date:	Time:						Received By:	Date:	Time:	48 Hr	72 Hr	

Date Results Needed

6-7

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y205555

Client: Entrada

Client Project ID: HSR Eppinger 6-1

Checklist Completed by: MS

Shipped Via: HD

Date/time completed: 5/23/22

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

Airbill #: N/A

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

Cooler Number/Temperature: 1 16.7 °C 1 °C 1 °C (Describe) °C

Thermometer ID: T004

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

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

Reviewed by (Project Manager) JP

Date/Time Reviewed 5-23-22

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

SS1-6

5/20/2022 9:00:00AM

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

Origins Laboratory, Inc.
Y205555-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.220	0.100	mg/L	1	B2E2406	KAP	05/24/2022	05/25/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2E2302	ZZZ	05/23/2022	05/24/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	86.4 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2E2022	JSM	05/20/2022	05/23/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	112 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.8 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.0 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

SS1-6

5/20/2022 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205555-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.908	0.499	meq/L	10	[CALC]	KAP	05/24/2022	05/25/2022	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	1.35	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.47		pH Units	1	B2E2408	ACC	05/24/2022	05/25/2022	
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SAR by 20B Saturated Paste

SAR	1.64		SAR	1	B2E2403	KAP	05/24/2022	05/25/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.280	0.00500	mmhos/cm	1	B2E2408	ACC	05/24/2022	05/25/2022	
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Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

SS2-3

5/20/2022 9:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205555-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2E2302	ZZZ	05/23/2022	05/24/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 79.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2E2022	JSM	05/20/2022	05/23/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
 Surrogate: Toluene-d8 96.9 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 96.1 % 70-130 " " "

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

SS3-2

5/20/2022 9:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205555-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2E2302	ZZZ	05/23/2022	05/24/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 90.3 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2E2022	JSM	05/20/2022	05/24/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
 Surrogate: Toluene-d8 98.0 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 97.7 % 70-130 " " "

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

SS4-8

5/20/2022 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205555-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2E2302	ZZZ	05/23/2022	05/24/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 82.9 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2E2022	JSM	05/20/2022	05/24/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 113 % 70-130 " " "
 Surrogate: Toluene-d8 94.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 98.8 % 70-130 " " "

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

SS5-3

5/20/2022 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205555-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0995	mg/L	1	B2E2406	KAP	05/24/2022	05/25/2022	U
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Metals by Saturated Paste by EPA 6010

Calcium	2.84	0.499	meq/L	10	[CALC]	KAP	05/24/2022	05/25/2022	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	3.59	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	7.93		pH Units	1	B2E2408	ACC	05/24/2022	05/25/2022	
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SAR by 20B Saturated Paste

SAR	2.69		SAR	1	B2E2403	KAP	05/24/2022	05/25/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.897	0.00500	mmhos/cm	1	B2E2408	ACC	05/24/2022	05/25/2022	
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Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

SS6-1

5/20/2022 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205555-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2E2302	ZZZ	05/23/2022	05/24/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

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

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2E2022	JSM	05/20/2022	05/24/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
 Surrogate: Toluene-d8 98.0 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 95.5 % 70-130 " " "

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

Blank (B2E2022-BLK1)

Prepared: 05/20/2022 Analyzed: 05/23/2022

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	99.5		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	102		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	94.7		70-130			

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

LCS (B2E2022-BS1)

Prepared: 05/20/2022 Analyzed: 05/23/2022

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.105	0.00200	"	0.100		105	70-130			
Ethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Naphthalene	0.105	0.0100	"	0.100		105	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
o-Xylene	0.105	0.00200	"	0.100		105	70-130			
m,p-Xylene	0.220	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

Matrix Spike (B2E2022-MS1)	Source: Y205530-01			Prepared: 05/20/2022 Analyzed: 05/23/2022						
1,2,4-Trimethylbenzene	0.0901	0.00200	mg/kg	0.100	ND	90.1	70-130			
1,3,5-Trimethylbenzene	0.0900	0.00200	"	0.100	ND	90.0	70-130			
Benzene	0.0933	0.00200	"	0.100	ND	93.3	70-130			
Ethylbenzene	0.0941	0.00200	"	0.100	ND	94.1	70-130			
Naphthalene	0.0964	0.0100	"	0.100	ND	96.4	70-130			
Toluene	0.0934	0.00200	"	0.100	ND	93.4	70-130			
o-Xylene	0.0929	0.00200	"	0.100	ND	92.9	70-130			
m,p-Xylene	0.193	0.00400	"	0.200	ND	96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

Matrix Spike Dup (B2E2022-MSD1)	Source: Y205530-01			Prepared: 05/20/2022 Analyzed: 05/23/2022						
1,2,4-Trimethylbenzene	0.0974	0.00200	mg/kg	0.100	ND	97.4	70-130	7.81	20	
1,3,5-Trimethylbenzene	0.0978	0.00200	"	0.100	ND	97.8	70-130	8.30	20	
Benzene	0.0970	0.00200	"	0.100	ND	97.0	70-130	3.93	20	
Ethylbenzene	0.0998	0.00200	"	0.100	ND	99.8	70-130	5.90	20	
Naphthalene	0.110	0.0100	"	0.100	ND	110	70-130	13.1	20	
Toluene	0.0965	0.00200	"	0.100	ND	96.5	70-130	3.27	20	
o-Xylene	0.0987	0.00200	"	0.100	ND	98.7	70-130	6.07	20	
m,p-Xylene	0.203	0.00400	"	0.200	ND	102	70-130	5.26	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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 B2E2302 - EPA 3550B										
Blank (B2E2302-BLK1)										
					Prepared: 05/23/2022 Analyzed: 05/24/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		99.9	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2302 - EPA 3550B

LCS (B2E2302-BS1)

Prepared: 05/23/2022 Analyzed: 05/23/2022

Diesel (C10-C28)	1090	50.0	mg/kg	1000		109	70-130			
Residual Range Organics (C28-C40)	1090	200	"	1000		109	70-130			
Surrogate: o-Terphenyl	61		"	49.8		122	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2302 - EPA 3550B

Matrix Spike (B2E2302-MS1)	Source: Y205531-01			Prepared: 05/23/2022 Analyzed: 05/24/2022						
Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130			
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130			
Surrogate: o-Terphenyl	47		"	49.8		94.0	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2302 - EPA 3550B

Matrix Spike Dup (B2E2302-MSD1)	Source: Y205531-01			Prepared: 05/23/2022 Analyzed: 05/24/2022						
Diesel (C10-C28)	1170	50.0	mg/kg	1000	ND	117	70-130	16.0	35	
Residual Range Organics (C28-C40)	1200	200	"	1000	ND	120	70-130	18.5	35	
<i>Surrogate: o-Terphenyl</i>	55		"	49.8		110	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2406 - Default Prep Metals

Blank (B2E2406-BLK1)

Prepared: 05/24/2022 Analyzed: 05/25/2022

Boron	ND	0.100	mg/L							U
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Duplicate (B2E2406-DUP1)

Source: Y205554-04

Prepared: 05/24/2022 Analyzed: 05/25/2022

Boron	0.0598	0.0997	mg/L		0.0398			40.1	50	U
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Origins Laboratory, Inc.



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

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2408 - NO PREP

Blank (B2E2408-BLK1)

Prepared: 05/24/2022 Analyzed: 05/25/2022

pH	0.00		pH Units							U
Specific Conductance (EC)	0.00110	0.0300	mmhos/cm							

Duplicate (B2E2408-DUP1)

Source: Y205554-04

Prepared: 05/24/2022 Analyzed: 05/25/2022

Specific Conductance (EC)	0.425	0.0300	mmhos/cm		0.699			48.8	25	QR-DUP
pH	10.8		pH Units		11.4			5.30	25	

Origins Laboratory, Inc.



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

Jen Pellegrini, Project Manager

Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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.

Jen Pellegrini, Project Manager

June 01, 2022

Entrada Consulting Group

Jeremy Pike

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - HSR - Eppinger 6-1

Project Number - -

Attached are your analytical results for HSR - Eppinger 6-1 received by Origins Laboratory, Inc. May 20, 2022. This project is associated with Origins project number Y205556-01.

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



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS7-7	Y205556-01	Soil	May 20, 2022 13:00	05/20/2022 16:00
BG1-1	Y205556-02	Soil	May 20, 2022 14:45	05/20/2022 16:00
BG1-3	Y205556-03	Soil	May 20, 2022 14:50	05/20/2022 16:00
BG2-1	Y205556-04	Soil	May 20, 2022 14:55	05/20/2022 16:00
BG2-3	Y205556-05	Soil	May 20, 2022 15:00	05/20/2022 16:00

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1



Bill to Jason Davidson at
 PDC Energy

www.originslaboratory.com

page 1 of 1

4205536

Client: Entrada Consulting Group
 Address: 1843 Sunlight Dr., Longmont, Colorado
 Telephone Number: 435-630-4748
 Email Address: jpike@entradainc.com

Project Manager: Jeremy Pike
 Project Name: HSR Eppinger 6-1
 Project Number:
 Samples Collected By: Jeremy Pike

bbaught@entradainc.com, jason.davidson@pdc.com, mark.longhurst@pdc.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	BIOM, TMB, TPH, GRY, DROABD	ICP/MSAR Biom	
557-1	5/20/22	1300	2				X						Full TABLE 915-1
861-1		1445											X → +As, Ba, Se
861-3		1450											X → +As, Ba, Se
862-1		1455											X → +As, Ba, Se
862-3		1500											X → +As, Ba, Se

RUSH RESULTS FOR BIOM, TMB, TPH - PARTIAL RESULTS OK

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
JM	5/21/22	1601	JAH	5/20/22	1600	24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/>

Date Results Needed: 6.7

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4205556

Client: Entrada

Client Project ID: HSR Eppinger (6-1)

Checklist Completed by: OKH

Shipped Via: TD

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

Date/time completed: 5/23/22

Airbill #: 22A

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

Cooler Number/Temperature: 1 / 16.7 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>same day</u>
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: JPB (Project Manager)

Date/Time Reviewed: 5-23-22

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

SS7-7

5/20/2022 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205556-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.182		0.101	mg/L	1	B2E2406	05/24/2022	05/25/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	6980		250	mg/kg	10	B2E2302	05/23/2022	05/24/2022	
Residual Range Organics (C28-C40)	2330		100	"	1	"	"	05/24/2022	

Surrogate: o-Terphenyl	128 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	98.1		0.500	mg/kg	250	B2E2022	05/20/2022	05/23/2022	
1,3,5-Trimethylbenzene	55.7		0.500	"	"	"	"	"	
Benzene	ND		0.00200	"	1	"	"	05/23/2022	U
Ethylbenzene	3.83		0.0500	"	25	"	"	05/23/2022	
Toluene	2.56		0.0500	"	"	"	"	"	
Xylenes, total	359		1.00	"	500	"	"	05/23/2022	
Gasoline Range Hydrocarbons	1890		100	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	98.8 %		70-130			"	"	"	
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Surrogate: Toluene-d8	115 %		70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	100 %		70-130			"	"	"	
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Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

SS7-7

5/20/2022 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205556-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	11.3		0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022	
Magnesium	6.90		0.823	"	"	"	"	"	
Sodium	4.13		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00364	0.0067	mg/Kg	10	L618305	05/26/2022	05/26/2022	
2-Methylnaphthalene	ND	0.00645	0.0067	"	"	"	"	"	
Acenaphthene	0.374	0.00304	0.0067	"	"	"	"	"	
Anthracene	0.0275	0.00334	0.0067	"	"	"	"	"	
Benzo(a)anthracene	0.0499	0.00493	0.0067	"	"	"	"	"	
Benzo(a)pyrene	0.028	0.00468	0.0067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0236	0.00585	0.0067	"	"	"	"	"	
Benzo(k)fluoranthene	0.031	0.00437	0.0067	"	"	"	"	"	
Chrysene	0.318	0.00624	0.0067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0157	0.00614	0.0067	"	"	"	"	"	
Fluoranthene	0.0305	0.00394	0.0067	"	"	"	"	"	
Fluorene	1.25	0.00286	0.0067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.0153	0.00627	0.0067	"	"	"	"	"	
Naphthalene	2.22	0.00484	0.0067	"	"	"	"	"	
Pyrene	0.132	0.00643	0.0067	"	"	"	"	"	

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

SS7-7

5/20/2022 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y205556-01 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	51.5 %		33-115			L6183 05	05/26/2022	05/26/2022	
Surrogate: 4-Terphenyl-d14	56.3 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	90.4 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.54			pH Units	1	B2E2408	05/24/2022	05/25/2022	
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SAR by 20B Saturated Paste

SAR	1.37			SAR	1	B2E2403	05/24/2022	05/25/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.66		0.00500	mmhos/cm	1	B2E2408	05/24/2022	05/25/2022	
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Total Metals by 6020B

Arsenic	3.16	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022	
Barium	179	0.042	0.25	"	"	"	"	"	
Cadmium	0.222	0.0259	0.25	"	"	"	"	"	J
Copper	11.3	0.0806	0.25	"	"	"	"	"	
Lead	10.5	0.031	0.25	"	"	"	"	"	
Nickel	13.5	0.0633	0.25	"	"	"	"	"	
Selenium	0.433	0.103	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

SS7-7

5/20/2022 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.

Y205556-01 (Soil)

Total Metals by 6020B

Silver	0.0485	0.0067	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022	J
Zinc	43.9	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L618817	05/20/2022	05/31/2022	
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Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

BG1-1
5/20/2022 2:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205556-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0989	mg/L	1	B2E2406	05/24/2022	05/25/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	1.49		0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.27			pH Units	1	B2E2408	05/24/2022	05/25/2022	
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SAR by 20B Saturated Paste

SAR	0.210			SAR	1	B2E2403	05/24/2022	05/25/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.267		0.00500	mmhos/cm	1	B2E2408	05/24/2022	05/25/2022	
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Total Metals by 6020B

Arsenic	1.58	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022	
Barium	54.1	0.042	0.25	"	"	"	"	"	
Selenium	0.432	0.103	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

BG1-3
5/20/2022 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205556-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0999	mg/L	1	B2E2406	05/24/2022	05/25/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	1.85		0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.22			pH Units	1	B2E2408	05/24/2022	05/25/2022	
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SAR by 20B Saturated Paste

SAR	0.105			SAR	1	B2E2403	05/24/2022	05/25/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.268		0.00500	mmhos/cm	1	B2E2408	05/24/2022	05/25/2022	
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Total Metals by 6020B

Arsenic	2.26	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022	
Barium	90.5	0.042	0.25	"	"	"	"	"	
Selenium	0.343	0.103	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

BG2-1
5/20/2022 2:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205556-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.240		0.100	mg/L	1	B2E2406	05/24/2022	05/25/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	3.71		0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022	
Magnesium	1.65		0.823	"	"	"	"	"	
Sodium	1.72		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.88			pH Units	1	B2E2409	05/24/2022	05/25/2022	
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SAR by 20B Saturated Paste

SAR	1.05			SAR	1	B2E2404	05/24/2022	05/25/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.820		0.00500	mmhos/cm	1	B2E2409	05/24/2022	05/25/2022	
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Total Metals by 6020B

Arsenic	1.51	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022	
Barium	63.1	0.042	0.25	"	"	"	"	"	
Selenium	0.316	0.103	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

BG2-3
5/20/2022 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205556-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0996	mg/L	1	B2E2406	05/24/2022	05/25/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	2.25		0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.12			pH Units	1	B2E2409	05/24/2022	05/25/2022	
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SAR by 20B Saturated Paste

SAR	0.0543			SAR	1	B2E2404	05/24/2022	05/25/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.338		0.00500	mmhos/cm	1	B2E2409	05/24/2022	05/25/2022	
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Total Metals by 6020B

Arsenic	1.88	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022	
Barium	72.2	0.042	0.25	"	"	"	"	"	
Selenium	0.309	0.103	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

Blank (B2E2022-BLK1)

Prepared: 05/20/2022 Analyzed: 05/23/2022

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	99.5		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	102		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	94.7		70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

LCS (B2E2022-BS1)

Prepared: 05/20/2022 Analyzed: 05/23/2022

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.105	0.00200	"	0.100		105	70-130			
Ethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Naphthalene	0.105	0.0100	"	0.100		105	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
o-Xylene	0.105	0.00200	"	0.100		105	70-130			
m,p-Xylene	0.220	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

Matrix Spike (B2E2022-MS1)	Source: Y205530-01			Prepared: 05/20/2022 Analyzed: 05/23/2022						
1,2,4-Trimethylbenzene	0.0901	0.00200	mg/kg	0.100	ND	90.1	70-130			
1,3,5-Trimethylbenzene	0.0900	0.00200	"	0.100	ND	90.0	70-130			
Benzene	0.0933	0.00200	"	0.100	ND	93.3	70-130			
Ethylbenzene	0.0941	0.00200	"	0.100	ND	94.1	70-130			
Naphthalene	0.0964	0.0100	"	0.100	ND	96.4	70-130			
Toluene	0.0934	0.00200	"	0.100	ND	93.4	70-130			
o-Xylene	0.0929	0.00200	"	0.100	ND	92.9	70-130			
m,p-Xylene	0.193	0.00400	"	0.200	ND	96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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 330 Grand Ave. Unit C
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Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

Matrix Spike Dup (B2E2022-MSD1)	Source: Y205530-01			Prepared: 05/20/2022 Analyzed: 05/23/2022						
1,2,4-Trimethylbenzene	0.0974	0.00200	mg/kg	0.100	ND	97.4	70-130	7.81	20	
1,3,5-Trimethylbenzene	0.0978	0.00200	"	0.100	ND	97.8	70-130	8.30	20	
Benzene	0.0970	0.00200	"	0.100	ND	97.0	70-130	3.93	20	
Ethylbenzene	0.0998	0.00200	"	0.100	ND	99.8	70-130	5.90	20	
Naphthalene	0.110	0.0100	"	0.100	ND	110	70-130	13.1	20	
Toluene	0.0965	0.00200	"	0.100	ND	96.5	70-130	3.27	20	
o-Xylene	0.0987	0.00200	"	0.100	ND	98.7	70-130	6.07	20	
m,p-Xylene	0.203	0.00400	"	0.200	ND	102	70-130	5.26	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

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Jeremy Pike
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 Project: HSR - Eppinger 6-1

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 B2E2302 - EPA 3550B										
Blank (B2E2302-BLK1)										
					Prepared: 05/23/2022 Analyzed: 05/24/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		99.9	50-150			

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Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2302 - EPA 3550B

LCS (B2E2302-BS1)

Prepared: 05/23/2022 Analyzed: 05/23/2022

Diesel (C10-C28)	1090	50.0	mg/kg	1000		109	70-130			
Residual Range Organics (C28-C40)	1090	200	"	1000		109	70-130			
Surrogate: o-Terphenyl	61		"	49.8		122	50-150			

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Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2302 - EPA 3550B

Matrix Spike (B2E2302-MS1)	Source: Y205531-01			Prepared: 05/23/2022 Analyzed: 05/24/2022						
Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130			
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130			
Surrogate: o-Terphenyl	47		"	49.8		94.0	50-150			

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Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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 B2E2302 - EPA 3550B										
Matrix Spike Dup (B2E2302-MSD1)					Source: Y205531-01					Prepared: 05/23/2022 Analyzed: 05/24/2022
Diesel (C10-C28)	1170	50.0	mg/kg	1000	ND	117	70-130	16.0	35	
Residual Range Organics (C28-C40)	1200	200	"	1000	ND	120	70-130	18.5	35	
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

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 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2408 - NO PREP

Blank (B2E2408-BLK1)

Prepared: 05/24/2022 Analyzed: 05/25/2022

Specific Conductance (EC) 0.00110 0.0300 mmhos/cm
 pH 0.00 pH Units

Duplicate (B2E2408-DUP1)

Source: Y205554-04

Prepared: 05/24/2022 Analyzed: 05/25/2022

pH 10.8 pH Units 11.4 5.30 25
 Specific Conductance (EC) 0.425 0.0300 mmhos/cm 0.699 48.8 25 QR-DUP

Batch B2E2409 - NO PREP

Blank (B2E2409-BLK1)

Prepared: 05/24/2022 Analyzed: 05/25/2022

pH 0.00 pH Units
 Specific Conductance (EC) 0.00110 0.0300 mmhos/cm

Duplicate (B2E2409-DUP1)

Source: Y205556-04

Prepared: 05/24/2022 Analyzed: 05/25/2022

Specific Conductance (EC) 0.674 0.0300 mmhos/cm 0.820 19.6 25
 pH 7.80 pH Units 7.88 1.02 25

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 Project Number: -
 Project: HSR - Eppinger 6-1

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
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Batch L618305 - 3550B

MSD (L 96358-MSD-L618305)		Source: 96358			Prepared: 05/26/2022 Analyzed: 05/26/2022					
Fluorene	0.1	0.000286	mg/Kg	0.167	96358	59.8	30-130	1.1	30	
Pyrene	0.118	0.000643	"	0.167	96358	70.6	30-130	1.6	30	
Benzo(a)anthracene	0.105	0.000493	"	0.167	96358	62.8	30-130	2.8	30	
Naphthalene	0.0849	0.000484	"	0.167	96358	50.8	30-130	0.5	30	
Indeno(1,2,3-cd)pyrene	0.167	0.000627	"	0.167	96358	100	30-130	16.8	30	
Benzo(b)fluoranthene	0.111	0.000585	"	0.167	96358	66.4	30-130	4.6	30	
1-Methylnaphthalene	0.0867	0.000364	"	0.167	96358	51.9	30-130	1.5	30	
Fluoranthene	0.121	0.000394	"	0.167	96358	72.4	30-130	1.6	30	
2-Methylnaphthalene	0.0863	0.000645	"	0.167	96358	51.6	30-130	0.6	30	
Acenaphthene	0.104	0.000304	"	0.167	96358	62.2	30-130	1.9	30	
Anthracene	0.112	0.000334	"	0.167	96358	67	30-130	1.8	30	
Benzo(a)pyrene	0.105	0.000468	"	0.167	96358	62.8	30-130	0.9	30	
Benzo(k)fluoranthene	0.0974	0.000437	"	0.167	96358	58.3	30-130	1.1	30	
Chrysene	0.0968	0.000624	"	0.167	96358	57.9	30-130	1.8	30	
Dibenz(a,h)anthracene	0.15	0.000614	"	0.167	96358	89.8	30-130	12.7	30	
Surrogate: Nitrobenzene-d5	49.2		"	0.333	167	49.2	29-110			
Surrogate: 2-Fluorobiphenyl	51.9		"	0.333	183	51.9	33-115			
Surrogate: 4-Terphenyl-d14	78.6		"	0.333	250	78.6	33-122			

MS (L 96358-MS-L618305)		Source: 96358			Prepared: 05/26/2022 Analyzed: 05/26/2022					
1-Methylnaphthalene	0.0854	0.000364	mg/Kg	0.164	96358	52	30-130			
2-Methylnaphthalene	0.0857	0.000645	"	0.164	96358	52.2	30-130			
Acenaphthene	0.102	0.000304	"	0.164	96358	62.1	30-130			
Anthracene	0.11	0.000334	"	0.164	96358	67	30-130			
Benzo(a)anthracene	0.108	0.000493	"	0.164	96358	65.8	30-130			
Fluoranthene	0.123	0.000394	"	0.164	96358	75	30-130			
Benzo(a)pyrene	0.104	0.000468	"	0.164	96358	63.4	30-130			

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Jeremy Pike
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 Project: HSR - Eppinger 6-1

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
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Batch L618305 - 3550B

MS (L 96358-MS-L618305)	Source: 96358			Prepared: 05/26/2022 Analyzed: 05/26/2022						
Chrysene	0.0986	0.000624	mg/Kg	0.164	96358	60.1	30-130			
Pyrene	0.12	0.000643	"	0.164	96358	73.1	30-130			
Naphthalene	0.0844	0.000484	"	0.164	96358	51.4	30-130			
Indeno(1,2,3-cd)pyrene	0.141	0.000627	"	0.164	96358	85.9	30-130			
Fluorene	0.0989	0.000286	"	0.164	96358	60.3	30-130			
Dibenz(a,h)anthracene	0.132	0.000614	"	0.164	96358	80.4	30-130			
Benzo(k)fluoranthene	0.0985	0.000437	"	0.164	96358	60	30-130			
Benzo(b)fluoranthene	0.106	0.000585	"	0.164	96358	64.6	30-130			
Surrogate: 2-Fluorobiphenyl	52.5		"	0.329	183	52.5	33-115			
Surrogate: 4-Terphenyl-d14	80.2		"	0.329	250	80.2	33-122			
Surrogate: Nitrobenzene-d5	49.2		"	0.329	167	49.2	29-110			

LCS (LCS-L618305)				Prepared: 05/26/2022 Analyzed: 05/26/2022						
Fluorene	0.0974	0.000286	mg/Kg	0.167		58.3	30-130			
Benzo(b)fluoranthene	0.102	0.000585	"	0.167		61	30-130			
Anthracene	0.108	0.000334	"	0.167		64.6	30-130			
Benzo(a)anthracene	0.1	0.000493	"	0.167		59.8	30-130			
Benzo(a)pyrene	0.0974	0.000468	"	0.167		58.3	30-130			
Benzo(k)fluoranthene	0.0858	0.000437	"	0.167		51.3	30-130			
Chrysene	0.0904	0.000624	"	0.167		54.1	30-130			
1-Methylnaphthalene	0.0847	0.000364	"	0.167		50.7	30-130			
Fluoranthene	0.115	0.000394	"	0.167		68.8	30-130			
2-Methylnaphthalene	0.0855	0.000645	"	0.167		51.1	30-130			
Indeno(1,2,3-cd)pyrene	0.127	0.000627	"	0.167		76	30-130			
Naphthalene	0.083	0.000484	"	0.167		49.7	30-130			
Pyrene	0.11	0.000643	"	0.167		65.8	30-130			
Dibenz(a,h)anthracene	0.116	0.000614	"	0.167		69.4	30-130			

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Jeremy Pike
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 Project: HSR - Eppinger 6-1

PAH by 8270D SIM - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L618305 - 3550B										
LCS (LCS-L618305)					Prepared: 05/26/2022 Analyzed: 05/26/2022					
Acenaphthene	0.101	0.000304	mg/Kg	0.167		60.4	30-130			
Surrogate: 2-Fluorobiphenyl	60.6		"	0.333		60.6	33-115			
Surrogate: 4-Terphenyl-d14	79.2		"	0.333		79.2	33-122			
Surrogate: Nitrobenzene-d5	52.5		"	0.333		52.5	29-110			
LRB (LRB-L618305)					Prepared: 05/26/2022 Analyzed: 05/26/2022					
Acenaphthene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
1-Methylnaphthalene	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	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	56.4		"	0.333		56.4	33-115			
Surrogate: 4-Terphenyl-d14	77.1		"	0.333		77.1	33-122			
Surrogate: Nitrobenzene-d5	48.6		"	0.333		48.6	29-110			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L618116 - 3050B

MSD (L 97105-MSD-L618116)	Source: 97105				Prepared: 05/25/2022 Analyzed: 05/26/2022					
Barium	162	0.042	mg/Kg	4.78	184	NR	75-125	3.1	80	I*
Copper	22.6	0.0806	"	2.39	22.5	4	75-125	4	80	*
Arsenic	17.9	0.0855	"	2.39	3.27	613	75-125	109	80	*
Cadmium	0.722	0.0259	"	0.478	0.285	92	75-125	0.9	80	
Nickel	18.4	0.0633	"	2.39	18.8	NR	75-125	1	80	*
Selenium	5.28	0.103	"	4.78	0.776	94	75-125	10.1	80	
Silver	0.506	0.0067	"	0.478	0.0485	96	75-125	1.5	80	
Zinc	77	0.534	"	23.9	58	80	75-125	1.8	80	
Lead	15	0.031	"	2.39	10.7	180	75-125	25.5	80	*

MS (L 97105-MS-L618116)	Source: 97105				Prepared: 05/25/2022 Analyzed: 05/26/2022					
Copper	21.7	0.0806	mg/Kg	2.42	22.5	NR	75-125			*
Lead	11.6	0.031	"	2.42	10.7	37	75-125			*
Nickel	18.6	0.0633	"	2.42	18.8	NR	75-125			*
Selenium	4.77	0.103	"	4.85	0.776	82	75-125			
Silver	0.514	0.0067	"	0.485	0.0485	96	75-125			
Cadmium	0.729	0.0259	"	0.485	0.285	92	75-125			
Barium	157	0.042	"	4.85	184	NR	75-125			I*
Arsenic	5.26	0.0855	"	2.42	3.27	82	75-125			
Zinc	75.6	0.534	"	24.2	58	73	75-125			*

LCS (LCS-L618116)					Prepared: 05/25/2022 Analyzed: 05/26/2022					
Arsenic	2.41	0.0855	mg/Kg	2.5		96	80-120			
Selenium	4.47	0.103	"	5		89	80-120			
Silver	0.505	0.0067	"	0.5		101	80-120			
Zinc	23.5	0.534	"	25		94	80-120			
Lead	2.36	0.031	"	2.5		94	80-120			

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L618116 - 3050B

LCS (LCS-L618116)

Prepared: 05/25/2022 Analyzed: 05/26/2022

Copper	2.35	0.0806	mg/Kg	2.5		94	80-120			
Nickel	2.41	0.0633	"	2.5		96	80-120			
Barium	4.84	0.042	"	5		97	80-120			
Cadmium	0.477	0.0259	"	0.5		95	80-120			

LRB (LRB-L618116)

Prepared: 05/25/2022 Analyzed: 05/26/2022

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

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L618817 -										
DUP (L 97057-DUP)		Source: 97057			Prepared: Analyzed: 05/31/2022					
Chromium, Hexavalent	ND	0.244	mg/Kg		97057		-	0	20	
MS (L 97057-MS)		Source: 97057			Prepared: Analyzed: 05/31/2022					
Chromium, Hexavalent	7.15	0.244	mg/Kg	8.04	97057	89	75-125			
LCS (LCS)		Prepared: Analyzed: 05/31/2022								
Chromium, Hexavalent	7.04	0.244	mg/Kg	8		88	75-125			
LRB (LRB)		Prepared: Analyzed: 05/31/2022								
Chromium, Hexavalent	ND	0.5	mg/Kg							

Origins Laboratory, Inc.



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

Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

J Estimated Value. Analyte below reported quantitation limit.

I* [Undefined]

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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

June 15, 2022

Entrada Consulting Group

Jeremy Pike

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - HSR - Eppinger 6-1

Project Number - -

Attached are your analytical results for HSR - Eppinger 6-1 received by Origins Laboratory, Inc. May 25, 2022. This project is associated with Origins project number Y205652-01.

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



Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX1-11	Y205652-01	Soil	May 25, 2022 13:00	05/25/2022 16:10
EX2-7	Y205652-02	Soil	May 25, 2022 13:05	05/25/2022 16:10
EX3-7	Y205652-03	Soil	May 25, 2022 13:10	05/25/2022 16:10
EX4-7	Y205652-04	Soil	May 25, 2022 13:15	05/25/2022 16:10
EX5-7	Y205652-05	Soil	May 25, 2022 15:20	05/25/2022 16:10

Per the email from Ben on 05/26/22, EX3-7 will be rerun for 1,2,4 TMB and Naphthalene. No errors were found in the original data so both sets are reported. JEP

Chain of Custody Modification Request

On 6/10/2022, Ben Baugh from Entrada contacted Jordan Bynon via email regarding Y205652 requesting that PAHs are added to all samples on a 72 hour TAT. Ok to run samples out of hold per Ben's email.

Requested modifications to the chain of custody were made by Jordan Bynon on 6/10/2022.

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Sample Receipt Checklist

Origins Work Order: 42056052 Client: Entrada
 Client Project ID: #012 Eppinger

Checklist Completed by: JKH Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 5/25/22 Airbill #: XA

Matrix(s) Received: (Check all that apply): 1 Soil/Solid Water Other:

Cooler Number/Temperature: 1 / 18.7c / °c / °c (Describe) °c

Thermometer ID: 1004

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

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

 5/25/22
 Reviewed by (Project Manager) Date/Time Reviewed

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX1-11
5/25/2022 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205652-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2E2523	05/25/2022	05/26/2022	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: *o*-Terphenyl 102 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00266		0.00200	mg/kg	1	B2E2522	05/25/2022	05/26/2022	
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	0.00408		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 114 % 70-130 " " "
 Surrogate: Toluene-d8 96.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 94.3 % 70-130 " " "

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX1-11
5/25/2022 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
Y205652-01 (Soil)

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00139	0.00422	mg/kg dry	1	2276515	06/14/2022	06/14/2022	Uh
2-Methylnaphthalene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Acenaphthene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Acenaphthylene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Anthracene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Benzo(a)anthracene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Benzo(a)pyrene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Benzo(b)fluoranthene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Benzo(ghi)perylene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Benzo(k)fluoranthene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Chrysene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Dibenzo(a,h)anthracene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Fluoranthene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Fluorene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Indeno(1,2,3-cd)pyrene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Phenanthrene	ND	0.00139	0.00422	"	"	"	"	"	Uh
Pyrene	ND	0.00139	0.00422	"	"	"	"	"	Uh

Surrogate: 5-alpha-Androstane 107 % 23-134 " " "

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX2-7

5/25/2022 1:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205652-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2E2523	05/25/2022	05/26/2022	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

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

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2E2522	05/25/2022	05/26/2022	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	113 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.6 %		70-130			"	"	"	

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX2-7

5/25/2022 1:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
Y205652-02 (Soil)

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00126	0.00382	mg/kg dry	1	2276515	06/14/2022	06/14/2022	Uh
2-Methylnaphthalene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Acenaphthene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Acenaphthylene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Anthracene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Benzo(a)anthracene	0.00955	0.00126	0.00382	"	"	"	"	"	h
Benzo(a)pyrene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Benzo(b)fluoranthene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Benzo(ghi)perylene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Benzo(k)fluoranthene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Chrysene	0.0103	0.00126	0.00382	"	"	"	"	"	h
Dibenzo(a,h)anthracene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Fluoranthene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Fluorene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Indeno(1,2,3-cd)pyrene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Phenanthrene	ND	0.00126	0.00382	"	"	"	"	"	Uh
Pyrene	ND	0.00126	0.00382	"	"	"	"	"	Uh

Surrogate: 5-alpha-Androstane 106 % 23-134 " " "

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX3-7

5/25/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205652-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2E2523	05/25/2022	05/26/2022	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	84.7 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0129		0.00200	mg/kg	1	B2E2522	05/25/2022	05/26/2022	
1,3,5-Trimethylbenzene	0.00742		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	0.00696		0.00380	"	"	"	"	"	
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	0.659		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	115 %		70-130			"	"	"	
Surrogate: Toluene-d8	95.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX3-7

5/25/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
Y205652-03 (Soil)

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00140	0.00423	mg/kg dry	1	2276515	06/14/2022	06/14/2022	Uh
2-Methylnaphthalene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Acenaphthene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Acenaphthylene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Anthracene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Benzo(a)anthracene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Benzo(a)pyrene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Benzo(b)fluoranthene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Benzo(ghi)perylene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Benzo(k)fluoranthene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Chrysene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Dibenzo(a,h)anthracene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Fluoranthene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Fluorene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Indeno(1,2,3-cd)pyrene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Phenanthrene	ND	0.00140	0.00423	"	"	"	"	"	Uh
Pyrene	ND	0.00140	0.00423	"	"	"	"	"	Uh

Surrogate: 5-alpha-Androstane 112% 23-134 " " "

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX3-7

5/25/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205652-03RE1 (Soil)

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00670		0.00200	mg/kg	1	B2E2522	05/25/2022	05/26/2022	
Naphthalene	0.00430		0.00380	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130			"	"	"	
Surrogate: Toluene-d8	89.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.4 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX4-7

5/25/2022 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205652-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2E2523	05/25/2022	05/26/2022	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	107 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2E2522	05/25/2022	05/26/2022	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	110 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.3 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.5 %		70-130			"	"	"	

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX4-7

5/25/2022 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
Y205652-04 (Soil)

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00130	0.00392	mg/kg dry	1	2276515	06/14/2022	06/14/2022	Uh
2-Methylnaphthalene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Acenaphthene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Acenaphthylene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Anthracene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Benzo(a)anthracene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Benzo(a)pyrene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Benzo(b)fluoranthene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Benzo(ghi)perylene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Benzo(k)fluoranthene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Chrysene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Dibenzo(a,h)anthracene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Fluoranthene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Fluorene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Indeno(1,2,3-cd)pyrene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Phenanthrene	ND	0.00130	0.00392	"	"	"	"	"	Uh
Pyrene	ND	0.00130	0.00392	"	"	"	"	"	Uh

Surrogate: 5-alpha-Androstane 101 % 23-134 " " "

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX5-7

5/25/2022 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205652-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2E2523	05/25/2022	05/26/2022	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	104 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2E2522	05/25/2022	05/26/2022	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	113 %		70-130			"	"	"	
Surrogate: Toluene-d8	94.5 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.5 %		70-130			"	"	"	

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

EX5-7

5/25/2022 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
Y205652-05 (Soil)

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00135	0.00409	mg/kg dry	1	2276515	06/14/2022	06/14/2022	Uh
2-Methylnaphthalene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Acenaphthene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Acenaphthylene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Anthracene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Benzo(a)anthracene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Benzo(a)pyrene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Benzo(b)fluoranthene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Benzo(ghi)perylene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Benzo(k)fluoranthene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Chrysene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Dibenzo(a,h)anthracene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Fluoranthene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Fluorene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Indeno(1,2,3-cd)pyrene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Phenanthrene	ND	0.00135	0.00409	"	"	"	"	"	Uh
Pyrene	ND	0.00135	0.00409	"	"	"	"	"	Uh

Surrogate: 5-alpha-Androstane 94 % 23-134 " " "

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2522 - EPA 5030 (soil)

Blank (B2E2522-BLK1)

Prepared: 05/25/2022 Analyzed: 05/25/2022

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.0100	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.2	70-130			

Origins Laboratory, Inc.



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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2522 - EPA 5030 (soil)

LCS (B2E2522-BS1)

Prepared: 05/25/2022 Analyzed: 05/25/2022

1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100		103	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.0950	0.00200	"	0.100		95.0	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.104	0.0100	"	0.100		104	70-130			
Toluene	0.101	0.00200	"	0.100		101	70-130			
o-Xylene	0.103	0.00200	"	0.100		103	70-130			
m,p-Xylene	0.210	0.00400	"	0.200		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2522 - EPA 5030 (soil)

Matrix Spike (B2E2522-MS1)	Source: Y205643-21			Prepared: 05/25/2022 Analyzed: 05/25/2022						
1,2,4-Trimethylbenzene	0.0831	0.00200	mg/kg	0.100	ND	83.1	70-130			
1,3,5-Trimethylbenzene	0.0818	0.00200	"	0.100	ND	81.8	70-130			
Benzene	0.0830	0.00200	"	0.100	ND	83.0	70-130			
Ethylbenzene	0.0843	0.00200	"	0.100	ND	84.3	70-130			
Naphthalene	0.102	0.0100	"	0.100	0.00152	101	70-130			
Toluene	0.0826	0.00200	"	0.100	ND	82.6	70-130			
o-Xylene	0.0835	0.00200	"	0.100	ND	83.5	70-130			
m,p-Xylene	0.167	0.00400	"	0.200	ND	83.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

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 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2522 - EPA 5030 (soil)

Matrix Spike Dup (B2E2522-MSD1)	Source: Y205643-21			Prepared: 05/25/2022 Analyzed: 05/25/2022						
1,2,4-Trimethylbenzene	0.0815	0.00200	mg/kg	0.100	ND	81.5	70-130	1.95	20	
1,3,5-Trimethylbenzene	0.0794	0.00200	"	0.100	ND	79.4	70-130	2.93	20	
Benzene	0.0794	0.00200	"	0.100	ND	79.4	70-130	4.48	20	
Ethylbenzene	0.0805	0.00200	"	0.100	ND	80.5	70-130	4.51	20	
Naphthalene	0.100	0.0100	"	0.100	0.00152	98.6	70-130	2.23	20	
Toluene	0.0798	0.00200	"	0.100	ND	79.8	70-130	3.47	20	
o-Xylene	0.0803	0.00200	"	0.100	ND	80.3	70-130	3.86	20	
m,p-Xylene	0.160	0.00400	"	0.200	ND	80.1	70-130	3.86	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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 B2E2523 - EPA 3550B										
Blank (B2E2523-BLK1)										
					Prepared: 05/25/2022 Analyzed: 05/25/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	19		"	24.9		76.0	50-150			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2523 - EPA 3550B

LCS (B2E2523-BS1)

Prepared: 05/25/2022 Analyzed: 05/25/2022

Diesel (C10-C28)	833	50.0	mg/kg	1000		83.3	70-130			
Residual Range Organics (C28-C40)	810	200	"	1000		81.0	70-130			
Surrogate: o-Terphenyl	38		"	49.8		77.1	50-150			

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2523 - EPA 3550B

Matrix Spike (B2E2523-MS1)	Source: Y205643-02			Prepared: 05/25/2022 Analyzed: 05/25/2022						
Diesel (C10-C28)	820	50.0	mg/kg	1000	ND	82.0	70-130			
Residual Range Organics (C28-C40)	817	200	"	1000	ND	81.7	70-130			QM-07
Surrogate: o-Terphenyl	36		"	49.8		73.1	50-150			

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 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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 B2E2523 - EPA 3550B										
Matrix Spike Dup (B2E2523-MSD1)					Source: Y205643-02					Prepared: 05/25/2022 Analyzed: 05/25/2022
Diesel (C10-C28)	793	50.0	mg/kg	1000	ND	79.3	70-130	3.32	35	
Residual Range Organics (C28-C40)	799	200	"	1000	ND	79.9	70-130	2.31	35	QM-07
Surrogate: o-Terphenyl	41		"	49.8		83.3	50-150			

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2276515 - SW846 3541

BLANK (1205113701-BLK)

Prepared: 06/14/2022 Analyzed: 06/14/2022

Benzo(a)pyrene	ND	0.00331	mg/kg				-			U
1-Methylnaphthalene	ND	0.00331	"				-			U
2-Methylnaphthalene	ND	0.00331	"				-			U
Acenaphthene	ND	0.00331	"				-			U
Acenaphthylene	ND	0.00331	"				-			U
Anthracene	ND	0.00331	"				-			U
Benzo(b)fluoranthene	ND	0.00331	"				-			U
Phenanthrene	ND	0.00331	"				-			U
Pyrene	ND	0.00331	"				-			U
Indeno(1,2,3-cd)pyrene	ND	0.00331	"				-			U
Fluorene	ND	0.00331	"				-			U
Fluoranthene	ND	0.00331	"				-			U
Dibenzo(a,h)anthracene	ND	0.00331	"				-			U
Chrysene	ND	0.00331	"				-			U
Benzo(k)fluoranthene	ND	0.00331	"				-			U
Benzo(ghi)perylene	ND	0.00331	"				-			U
Benzo(a)anthracene	ND	0.00331	"				-			U

Surrogate: 5-alpha-Androstane

0.190

"

0.166

115

23-134

LCS (1205113702-BKS)

Prepared: 06/14/2022 Analyzed: 06/14/2022

Benzo(a)pyrene	0.284	0.00332	mg/kg	0.332		86	44-131			
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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2276515 - SW846 3541

LCS (1205113702-BKS)

Prepared: 06/14/2022 Analyzed: 06/14/2022

Benzo(k)fluoranthene	0.315	0.00332	mg/kg	0.332		95	42-122			
Pyrene	0.309	0.00332	"	0.332		93	38-120			
Phenanthrene	0.291	0.00332	"	0.332		88	47-111			
Indeno(1,2,3-cd)pyrene	0.318	0.00332	"	0.332		96	42-137			
Fluorene	0.301	0.00332	"	0.332		91	40-119			
Fluoranthene	0.308	0.00332	"	0.332		93	41-120			
Dibenzo(a,h)anthracene	0.304	0.00332	"	0.332		91	40-139			
Chrysene	0.282	0.00332	"	0.332		85	49-114			
2-Methylnaphthalene	0.283	0.00332	"	0.332		85	46-113			
Benzo(b)fluoranthene	0.306	0.00332	"	0.332		92	42-126			
Benzo(a)anthracene	0.312	0.00332	"	0.332		94	48-120			
Anthracene	0.290	0.00332	"	0.332		87	45-120			
Acenaphthylene	0.290	0.00332	"	0.332		87	42-121			
Acenaphthene	0.294	0.00332	"	0.332		88	45-112			
1-Methylnaphthalene	0.281	0.00332	"	0.332		85	47-111			
Benzo(ghi)perylene	0.305	0.00332	"	0.332		92	32-124			
Surrogate: 5-alpha-Androstane	0.187		"	0.166		112	23-134			

MS (1205113703 S)

Source: 582778001

Prepared: 06/14/2022 Analyzed: 06/14/2022

Chrysene	0.237	0.00399	mg/kg dry	0.399	<0.00132	59	24-123			
Dibenzo(a,h)anthracene	0.253	0.00399	"	0.399	<0.00132	63	14-139			
Fluoranthene	0.256	0.00399	"	0.399	<0.00132	64	18-130			
Fluorene	0.245	0.00399	"	0.399	<0.00132	62	22-130			
Indeno(1,2,3-cd)pyrene	0.263	0.00399	"	0.399	<0.00132	66	16-136			
Pyrene	0.257	0.00399	"	0.399	<0.00132	64	16-142			
Benzo(k)fluoranthene	0.264	0.00399	"	0.399	<0.00132	66	22-134			
Acenaphthene	0.237	0.00399	"	0.399	<0.00132	59	22-123			

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2276515 - SW846 3541

MS (1205113703 S)

Source: 582778001

Prepared: 06/14/2022 Analyzed: 06/14/2022

Phenanthrene	0.239	0.00399	mg/kg dry	0.399	<0.00132	60	21-127			
1-Methylnaphthalene	0.222	0.00399	"	0.399	<0.00132	56	22-126			
Benzo(b)fluoranthene	0.255	0.00399	"	0.399	<0.00132	64	19-138			
Benzo(a)pyrene	0.240	0.00399	"	0.399	<0.00132	60	21-137			
Benzo(a)anthracene	0.262	0.00399	"	0.399	<0.00132	66	22-126			
Acenaphthylene	0.236	0.00399	"	0.399	<0.00132	59	21-132			
2-Methylnaphthalene	0.221	0.00399	"	0.399	<0.00132	55	19-127			
Anthracene	0.241	0.00399	"	0.399	<0.00132	60	23-131			
Benzo(ghi)perylene	0.250	0.00399	"	0.399	<0.00132	63	13-127			

Surrogate: 5-alpha-Androstane

0.159

"

0.199

0.166

80

23-134

MSD (1205113704 SD)

Source: 582778001

Prepared: 06/14/2022 Analyzed: 06/15/2022

Benzo(k)fluoranthene	0.315	0.00398	mg/kg dry	0.398	<0.00131	79	22-134	18	30	
Chrysene	0.284	0.00398	"	0.398	<0.00131	71	24-123	18	30	
Dibenzo(a,h)anthracene	0.301	0.00398	"	0.398	<0.00131	76	14-139	17	30	
Fluoranthene	0.309	0.00398	"	0.398	<0.00131	78	18-130	19	30	
Benzo(ghi)perylene	0.301	0.00398	"	0.398	<0.00131	75	13-127	19	30	
Indeno(1,2,3-cd)pyrene	0.316	0.00398	"	0.398	<0.00131	79	16-136	18	30	
Acenaphthene	0.285	0.00398	"	0.398	<0.00131	72	22-123	18	30	
Phenanthrene	0.289	0.00398	"	0.398	<0.00131	73	21-127	19	30	
Fluorene	0.296	0.00398	"	0.398	<0.00131	74	22-130	19	30	
Benzo(b)fluoranthene	0.307	0.00398	"	0.398	<0.00131	77	19-138	18	30	
Benzo(a)pyrene	0.287	0.00398	"	0.398	<0.00131	72	21-137	18	30	
Benzo(a)anthracene	0.315	0.00398	"	0.398	<0.00131	79	22-126	18	30	
Acenaphthylene	0.284	0.00398	"	0.398	<0.00131	71	21-132	18	30	
2-Methylnaphthalene	0.257	0.00398	"	0.398	<0.00131	65	19-127	15	30	
1-Methylnaphthalene	0.258	0.00398	"	0.398	<0.00131	65	22-126	15	30	

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Jeremy Pike
 Project Number: -
 Project: HSR - Eppinger 6-1

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2276515 - SW846 3541

MSD (1205113704 SD)	Source: 582778001			Prepared: 06/14/2022 Analyzed: 06/15/2022						
Pyrene	0.309	0.00398	mg/kg dry	0.398	<0.00131	78	16-142	18	30	
Anthracene	0.290	0.00398	"	0.398	<0.00131	73	23-131	18	30	
Surrogate: 5-alpha-Androstane	0.190		"	0.199	0.166	95	23-134			

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.

Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

Notes and Definitions

- Uh Result not detected above the detection limit. Preparation or preservation holding time was exceeded
- Ua Sample is Non-Detect.
- U Result not detected above the detection limit
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- h Preparation or preservation holding time was exceeded
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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

June 15, 2022

Entrada Consulting Group

Ben Baugh

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - HSR - Eppinger

Project Number - -

Attached are your analytical results for HSR - Eppinger received by Origins Laboratory, Inc. May 31, 2022. This project is associated with Origins project number Y205732-01.

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



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: -

Project: HSR - Eppinger

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX6-7	Y205732-01	Soil	May 31, 2022 9:05	05/31/2022 11:00
EX7-7	Y205732-02	Soil	May 31, 2022 9:10	05/31/2022 11:00
EX8-7	Y205732-03	Soil	May 31, 2022 9:15	05/31/2022 11:00

Chain of Custody Modification Request

On 6/10/2022, Ben Baugh from Entrada contacted Jordan Bynon via email regarding Y205732 requesting that PAHs are added to all samples on a 72 hour TAT.

Requested modifications to the chain of custody were made by Jordan Bynon on 6/10/2022.

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

www.originslaboratory.com

1205752

page 1 of 1

ORIGINS
 LABORATORY, INC

Client: Entrada Consulting Group
 Address: _____
 Project Manager: Ben Baugh
 Project Name: HSR Eppinger
 Project Number: _____
 Telephone Number: 804-513-0707
 Email Address: ben.baugh@entradaconsulting.com
 Samples Collected By: AB
Bill to Jason Davidson @ PDC

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	OTEXN		TPH
EX10-7	5/31/08	905	2	X				X						hold jars for 1
EX7-7	↓	910	↓	↓				↓						additional analysis 2
EX8-7	↓	915	↓	↓				↓						3
														4
														5
														6
														7
														8
														9
														10
Relinquished By: <u>Ben Baugh</u>	Date: <u>5/31/08</u>	Time: <u>1100</u>	Time: <u>1100</u>	Received By: <u>AB</u>	Date: <u>5/31/08</u>	Time: <u>1100</u>	Turnaround Time: <u>24 Hr</u>	Same Day <input checked="" type="checkbox"/>	48 Hr <input type="checkbox"/>	72 Hr <input type="checkbox"/>	Standard <input type="checkbox"/>			Results needed morning of 6/4

Temp Received: 14.9 Date Results Needed: _____

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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

Sample Receipt Checklist

Origins Work Order: 4200302 Client: Entrada
 Client Project ID: HSR Eppinger

Checklist Completed by: EH Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 5/31/12 Airbill #: NA

Matrix(s) Received: (Check all that apply): 1 Soil/Solid Water Other:
 Cooler Number/Temperature: 1 / 14.9 °C / °C / °C (Describe) °C
 Thermometer ID: 1004

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

Kenny H 5/31/12
 Reviewed by (Project Manager) Date/Time Reviewed

Origins Laboratory, Inc.


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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

EX6-7

5/31/2022 9:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205732-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2E3109	05/31/2022	06/01/2022	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	83.2 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2E3106	05/31/2022	05/31/2022	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	105 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.9 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

EX6-7

5/31/2022 9:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
Y205732-01 (Soil)

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00129	0.00391	mg/kg dry	1	2276515	06/14/2022	06/14/2022	U
2-Methylnaphthalene	ND	0.00129	0.00391	"	"	"	"	"	U
Acenaphthene	ND	0.00129	0.00391	"	"	"	"	"	U
Acenaphthylene	ND	0.00129	0.00391	"	"	"	"	"	U
Anthracene	ND	0.00129	0.00391	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00129	0.00391	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00129	0.00391	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00129	0.00391	"	"	"	"	"	U
Benzo(ghi)perylene	ND	0.00129	0.00391	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00129	0.00391	"	"	"	"	"	U
Chrysene	ND	0.00129	0.00391	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00129	0.00391	"	"	"	"	"	U
Fluoranthene	ND	0.00129	0.00391	"	"	"	"	"	U
Fluorene	ND	0.00129	0.00391	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00129	0.00391	"	"	"	"	"	U
Phenanthrene	ND	0.00129	0.00391	"	"	"	"	"	U
Pyrene	ND	0.00129	0.00391	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane 85 % 23-134 " " "

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

EX7-7

5/31/2022 9:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205732-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2E3109	05/31/2022	06/01/2022	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	84.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2E3106	05/31/2022	05/31/2022	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	104 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.0 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

EX7-7

5/31/2022 9:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
Y205732-02 (Soil)

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00134	0.00407	mg/kg dry	1	2276515	06/14/2022	06/15/2022	U
2-Methylnaphthalene	ND	0.00134	0.00407	"	"	"	"	"	U
Acenaphthene	ND	0.00134	0.00407	"	"	"	"	"	U
Acenaphthylene	ND	0.00134	0.00407	"	"	"	"	"	U
Anthracene	ND	0.00134	0.00407	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00134	0.00407	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00134	0.00407	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00134	0.00407	"	"	"	"	"	U
Benzo(ghi)perylene	ND	0.00134	0.00407	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00134	0.00407	"	"	"	"	"	U
Chrysene	ND	0.00134	0.00407	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00134	0.00407	"	"	"	"	"	U
Fluoranthene	ND	0.00134	0.00407	"	"	"	"	"	U
Fluorene	ND	0.00134	0.00407	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00134	0.00407	"	"	"	"	"	U
Phenanthrene	ND	0.00134	0.00407	"	"	"	"	"	U
Pyrene	ND	0.00134	0.00407	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane 60 % 23-134 " " "

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.

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

EX8-7

5/31/2022 9:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y205732-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2E3109	05/31/2022	06/01/2022	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	94.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2E3106	05/31/2022	05/31/2022	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.5 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

EX8-7

5/31/2022 9:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
Y205732-03 (Soil)

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00132	0.00401	mg/kg dry	1	2276515	06/14/2022	06/15/2022	U
2-Methylnaphthalene	ND	0.00132	0.00401	"	"	"	"	"	U
Acenaphthene	ND	0.00132	0.00401	"	"	"	"	"	U
Acenaphthylene	ND	0.00132	0.00401	"	"	"	"	"	U
Anthracene	ND	0.00132	0.00401	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00132	0.00401	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00132	0.00401	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00132	0.00401	"	"	"	"	"	U
Benzo(ghi)perylene	ND	0.00132	0.00401	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00132	0.00401	"	"	"	"	"	U
Chrysene	ND	0.00132	0.00401	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00132	0.00401	"	"	"	"	"	U
Fluoranthene	ND	0.00132	0.00401	"	"	"	"	"	U
Fluorene	ND	0.00132	0.00401	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00132	0.00401	"	"	"	"	"	U
Phenanthrene	ND	0.00132	0.00401	"	"	"	"	"	U
Pyrene	ND	0.00132	0.00401	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane 45 % 23-134 " " "

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E3106 - EPA 5030 (soil)

Blank (B2E3106-BLK1)

Prepared: 05/31/2022 Analyzed: 05/31/2022

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.0100	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.5	70-130			

Origins Laboratory, Inc.



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 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E3106 - EPA 5030 (soil)

LCS (B2E3106-BS1)

Prepared: 05/31/2022 Analyzed: 05/31/2022

1,2,4-Trimethylbenzene	0.0885	0.00200	mg/kg	0.100		88.5	70-130			
1,3,5-Trimethylbenzene	0.0883	0.00200	"	0.100		88.3	70-130			
Benzene	0.0860	0.00200	"	0.100		86.0	70-130			
Ethylbenzene	0.0931	0.00200	"	0.100		93.1	70-130			
Naphthalene	0.0853	0.0100	"	0.100		85.3	70-130			
Toluene	0.0857	0.00200	"	0.100		85.7	70-130			
o-Xylene	0.0887	0.00200	"	0.100		88.7	70-130			
m,p-Xylene	0.188	0.00400	"	0.200		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E3106 - EPA 5030 (soil)

Matrix Spike (B2E3106-MS1)	Source: Y205716-01			Prepared: 05/31/2022 Analyzed: 05/31/2022						
1,2,4-Trimethylbenzene	0.0957	0.00200	mg/kg	0.100	ND	95.7	70-130			
1,3,5-Trimethylbenzene	0.0979	0.00200	"	0.100	0.00152	96.4	70-130			
Benzene	0.0948	0.00200	"	0.100	ND	94.8	70-130			
Ethylbenzene	0.0997	0.00200	"	0.100	ND	99.7	70-130			
Naphthalene	0.0955	0.0100	"	0.100	ND	95.5	70-130			
Toluene	0.0938	0.00200	"	0.100	ND	93.8	70-130			
o-Xylene	0.0977	0.00200	"	0.100	ND	97.7	70-130			
m,p-Xylene	0.198	0.00400	"	0.200	ND	99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E3106 - EPA 5030 (soil)

Matrix Spike Dup (B2E3106-MSD1)	Source: Y205716-01			Prepared: 05/31/2022 Analyzed: 05/31/2022						
1,2,4-Trimethylbenzene	0.0837	0.00200	mg/kg	0.100	ND	83.7	70-130	13.4	20	
1,3,5-Trimethylbenzene	0.0847	0.00200	"	0.100	0.00152	83.2	70-130	14.5	20	
Benzene	0.0898	0.00200	"	0.100	ND	89.8	70-130	5.37	20	
Ethylbenzene	0.0884	0.00200	"	0.100	ND	88.4	70-130	12.1	20	
Naphthalene	0.0852	0.0100	"	0.100	ND	85.2	70-130	11.4	20	
Toluene	0.0874	0.00200	"	0.100	ND	87.4	70-130	7.04	20	
o-Xylene	0.0864	0.00200	"	0.100	ND	86.4	70-130	12.3	20	
m,p-Xylene	0.176	0.00400	"	0.200	ND	87.8	70-130	12.2	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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 B2E3109 - EPA 3550B										
Blank (B2E3109-BLK1)										
					Prepared: 05/31/2022 Analyzed: 05/31/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	21		"	24.9		84.8	50-150			

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E3109 - EPA 3550B

LCS (B2E3109-BS1)

Prepared: 05/31/2022 Analyzed: 05/31/2022

Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000		102	70-130			
Surrogate: o-Terphenyl	45		"	49.8		90.5	50-150			

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E3109 - EPA 3550B

Matrix Spike (B2E3109-MS1)	Source: Y205666-01			Prepared: 05/31/2022 Analyzed: 05/31/2022						
Diesel (C10-C28)	975	50.0	mg/kg	1000	ND	97.5	70-130			
Residual Range Organics (C28-C40)	921	200	"	1000	ND	92.1	70-130			
Surrogate: o-Terphenyl	41		"	49.8		83.2	50-150			

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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 B2E3109 - EPA 3550B										
Matrix Spike Dup (B2E3109-MSD1)					Source: Y205666-01					Prepared: 05/31/2022 Analyzed: 05/31/2022
Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	70-130	5.57	35	
Residual Range Organics (C28-C40)	997	200	"	1000	ND	99.7	70-130	7.88	35	
Surrogate: o-Terphenyl	43		"	49.8		87.1	50-150			

Origins Laboratory, Inc.



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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2276515 - SW846 3541

BLANK (1205113701-BLK)

Prepared: 06/14/2022 Analyzed: 06/14/2022

Benzo(a)pyrene	ND	0.00331	mg/kg				-			U
1-Methylnaphthalene	ND	0.00331	"				-			U
2-Methylnaphthalene	ND	0.00331	"				-			U
Acenaphthene	ND	0.00331	"				-			U
Acenaphthylene	ND	0.00331	"				-			U
Anthracene	ND	0.00331	"				-			U
Benzo(b)fluoranthene	ND	0.00331	"				-			U
Phenanthrene	ND	0.00331	"				-			U
Pyrene	ND	0.00331	"				-			U
Indeno(1,2,3-cd)pyrene	ND	0.00331	"				-			U
Fluorene	ND	0.00331	"				-			U
Fluoranthene	ND	0.00331	"				-			U
Dibenzo(a,h)anthracene	ND	0.00331	"				-			U
Chrysene	ND	0.00331	"				-			U
Benzo(k)fluoranthene	ND	0.00331	"				-			U
Benzo(ghi)perylene	ND	0.00331	"				-			U
Benzo(a)anthracene	ND	0.00331	"				-			U

Surrogate: 5-alpha-Androstane

0.190

"

0.166

115

23-134

LCS (1205113702-BKS)

Prepared: 06/14/2022 Analyzed: 06/14/2022

Benzo(a)pyrene	0.284	0.00332	mg/kg	0.332		86	44-131			
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Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2276515 - SW846 3541

LCS (1205113702-BKS)

Prepared: 06/14/2022 Analyzed: 06/14/2022

Benzo(k)fluoranthene	0.315	0.00332	mg/kg	0.332		95	42-122			
Pyrene	0.309	0.00332	"	0.332		93	38-120			
Phenanthrene	0.291	0.00332	"	0.332		88	47-111			
Indeno(1,2,3-cd)pyrene	0.318	0.00332	"	0.332		96	42-137			
Fluorene	0.301	0.00332	"	0.332		91	40-119			
Fluoranthene	0.308	0.00332	"	0.332		93	41-120			
Dibenzo(a,h)anthracene	0.304	0.00332	"	0.332		91	40-139			
Chrysene	0.282	0.00332	"	0.332		85	49-114			
2-Methylnaphthalene	0.283	0.00332	"	0.332		85	46-113			
Benzo(b)fluoranthene	0.306	0.00332	"	0.332		92	42-126			
Benzo(a)anthracene	0.312	0.00332	"	0.332		94	48-120			
Anthracene	0.290	0.00332	"	0.332		87	45-120			
Acenaphthylene	0.290	0.00332	"	0.332		87	42-121			
Acenaphthene	0.294	0.00332	"	0.332		88	45-112			
1-Methylnaphthalene	0.281	0.00332	"	0.332		85	47-111			
Benzo(ghi)perylene	0.305	0.00332	"	0.332		92	32-124			

Surrogate: 5-alpha-Androstane

0.187

"

0.166

112

23-134

MS (1205113703 S)

Source: Y205732-01

Prepared: 06/14/2022 Analyzed: 06/14/2022

Chrysene	0.237	0.00399	mg/kg dry	0.399	<0.00132	59	24-123			
Dibenzo(a,h)anthracene	0.253	0.00399	"	0.399	<0.00132	63	14-139			
Fluoranthene	0.256	0.00399	"	0.399	<0.00132	64	18-130			
Fluorene	0.245	0.00399	"	0.399	<0.00132	62	22-130			
Indeno(1,2,3-cd)pyrene	0.263	0.00399	"	0.399	<0.00132	66	16-136			
Pyrene	0.257	0.00399	"	0.399	<0.00132	64	16-142			
Benzo(k)fluoranthene	0.264	0.00399	"	0.399	<0.00132	66	22-134			
Acenaphthene	0.237	0.00399	"	0.399	<0.00132	59	22-123			

Origins Laboratory, Inc.



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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2276515 - SW846 3541

MS (1205113703 S)

Source: Y205732-01

Prepared: 06/14/2022 Analyzed: 06/14/2022

Phenanthrene	0.239	0.00399	mg/kg dry	0.399	<0.00132	60	21-127			
1-Methylnaphthalene	0.222	0.00399	"	0.399	<0.00132	56	22-126			
Benzo(b)fluoranthene	0.255	0.00399	"	0.399	<0.00132	64	19-138			
Benzo(a)pyrene	0.240	0.00399	"	0.399	<0.00132	60	21-137			
Benzo(a)anthracene	0.262	0.00399	"	0.399	<0.00132	66	22-126			
Acenaphthylene	0.236	0.00399	"	0.399	<0.00132	59	21-132			
2-Methylnaphthalene	0.221	0.00399	"	0.399	<0.00132	55	19-127			
Anthracene	0.241	0.00399	"	0.399	<0.00132	60	23-131			
Benzo(ghi)perylene	0.250	0.00399	"	0.399	<0.00132	63	13-127			

Surrogate: 5-alpha-Androstane

0.159

"

0.199

0.166

80

23-134

MSD (1205113704 SD)

Source: Y205732-01

Prepared: 06/14/2022 Analyzed: 06/15/2022

Benzo(k)fluoranthene	0.315	0.00398	mg/kg dry	0.398	<0.00131	79	22-134	18	30	
Chrysene	0.284	0.00398	"	0.398	<0.00131	71	24-123	18	30	
Dibenzo(a,h)anthracene	0.301	0.00398	"	0.398	<0.00131	76	14-139	17	30	
Fluoranthene	0.309	0.00398	"	0.398	<0.00131	78	18-130	19	30	
Benzo(ghi)perylene	0.301	0.00398	"	0.398	<0.00131	75	13-127	19	30	
Indeno(1,2,3-cd)pyrene	0.316	0.00398	"	0.398	<0.00131	79	16-136	18	30	
Acenaphthene	0.285	0.00398	"	0.398	<0.00131	72	22-123	18	30	
Phenanthrene	0.289	0.00398	"	0.398	<0.00131	73	21-127	19	30	
Fluorene	0.296	0.00398	"	0.398	<0.00131	74	22-130	19	30	
Benzo(b)fluoranthene	0.307	0.00398	"	0.398	<0.00131	77	19-138	18	30	
Benzo(a)pyrene	0.287	0.00398	"	0.398	<0.00131	72	21-137	18	30	
Benzo(a)anthracene	0.315	0.00398	"	0.398	<0.00131	79	22-126	18	30	
Acenaphthylene	0.284	0.00398	"	0.398	<0.00131	71	21-132	18	30	
2-Methylnaphthalene	0.257	0.00398	"	0.398	<0.00131	65	19-127	15	30	
1-Methylnaphthalene	0.258	0.00398	"	0.398	<0.00131	65	22-126	15	30	

Origins Laboratory, Inc.



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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: -
 Project: HSR - Eppinger

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2276515 - SW846 3541

MSD (1205113704 SD)	Source: Y205732-01			Prepared: 06/14/2022 Analyzed: 06/15/2022						
Pyrene	0.309	0.00398	mg/kg dry	0.398	<0.00131	78	16-142	18	30	
Anthracene	0.290	0.00398	"	0.398	<0.00131	73	23-131	18	30	
Surrogate: 5-alpha-Androstane	0.190		"	0.199	0.166	95	23-134			

Origins Laboratory, Inc.



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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Ben Baugh
Project Number: -
Project: HSR - Eppinger

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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**ATTACHMENT D
DISPOSAL MANIFESTS**



Buffalo Ridge
 11655 CR 59
 Keenesburg, CO, 80643
 Ph: (303)732-0218

Reprint
 Ticket# 1162893

Customer Name	PDC ENERGY PDC ENERGY	Carrier	STANDARD RESOURCES
Ticket Date	05/25/2022	Vehicle#	14
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000343
State Waste Code		Gen EPA ID	
Manifest	11009313		
Destination		Grid	
PO			
Profile	101221CO (E&P Contaminated Soil)		
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)		

	Time	Scale	Operator	Inbound	Gross	46840 lb
In	05/25/2022 13:26:05	Inbound	aconner6		Tare	21500 lb
Out	05/25/2022 13:26:05		aconner6		Net	25340 lb
					Tons	12.67

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	12.67	Tons				HSR EPPING

Total Tax
 Total Ticket

Driver`s Signature

Fermin



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of			
3. Generator's Mailing Address:		Generator's Site Address (if different than mailing): PDC ENERGY WELL NAME: HSR Eppinger WELL #: 61 Sec 15 G6W SENW		A. Manifest Number WMNA		11009313	
4. Generator's Phone 303-831-3971				B. State Generator's ID			
5. Transporter 1 Company Name SRO CO # 14		6. US EPA ID Number		C. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone			
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643		10. US EPA ID Number		E. State Transporter's ID			
				F. Transporter's Phone			
				G. State Facility ID			
				H. State Facility Phone 303-732-0218			
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity	14. Unit Wt./Vol.	
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL WM Profile # 101221CO		No.	Type			
	b. WM Profile #						
	c. WM Profile #						
	d. WM Profile #						
J. Additional Descriptions for Materials Listed Above		K. Disposal Location					
		Cell		Level			
		Grid					
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY							
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:					
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.							
Printed Name <i>Erin Crawford</i>		Signature "On behalf of"			Month	Day	Year
					5	25	2022
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month	Day	Year
	Printed Name						
FACILITY	18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day	Year
	Printed Name <i>Fermin Perez</i>				5	25	2022
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.							
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.							
Printed Name <i>A Gomez</i>		Signature			Month	Day	Year
					5	25	22

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY

Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY



Buffalo Ridge
 11655 CR 59
 Keenesburg, CO, 80643
 Ph: (303)732-0218

Reprint
 Ticket# 1162915

Customer Name	PDC ENERGY PDC ENERGY	Carrier	FARAON	Volume
Ticket Date	05/25/2022	Vehicle#	39	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0000343	
State Waste Code		Gen EPA ID		
Manifest	11009321			
Destination		Grid		
PO	eppinger			
Profile	101221CO (E&P Contaminated Soil)			
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)			

	Time	Scale	Operator	Inbound	Gross	49800 lb
In	05/25/2022 15:21:49	Inbound	kconvers		Tare	19000 lb
Out	05/25/2022 15:21:49		kconvers		Net	30800 lb
					Tons	15.40

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	15.40	Tons				VARIOUS PD

Total Tax
 Total Ticket

Driver`s Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	
3. Generator's Mailing Address:		Generator's Site Address (if different than mailing): PDC ENERGY WELL NAME: HSR - Epping WELL #: G-1 Sec 1 IS GOW SE NW		A. Manifest Number WMNA	11009321
4. Generator's Phone 303-831-3971		5. Transporter 1 Company Name FARADOTRUCKING LLC W 39		B. State Generator's ID	
7. Transporter 2 Company Name		6. US EPA ID Number		C. State Transporter's ID	
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643		8. US EPA ID Number		D. Transporter's Phone	(970) 388-9465
		10. US EPA ID Number		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility ID	
				H. State Facility Phone	303-732-0218
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL		No.	Type	14. Unit Wt./Vol.
	WM Profile # 101221CO				TN
	b.				
	WM Profile #				
c.					
WM Profile #					
d.					
WM Profile #					
J. Additional Descriptions for Materials Listed Above		K. Disposal Location			
		Cell		Level	
		Grid			
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY					
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:			
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.					
Printed Name Erin Crawford		Signature "On behalf of"		Month	Day
				5	25
				2022	
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials				
	Printed Name Juan PEREA		Signature		Month
					Day
				Year	
				5	25
				2022	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed Name		Signature		Month	Day
FACILITY	19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
	20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.				
	Printed Name Honover		Signature		Month
				5	25
				2022	

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Pink- FACILITY USE ONLY

Blue- GENERATOR #2 COPY

Gold- TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY



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 11655 CR 59
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Reprint
 Ticket# 1162871

Customer Name	PDC ENERGY PDC ENERGY	Carrier	STANDARD RESOURCES
Ticket Date	05/25/2022	Vehicle#	11
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000343
State Waste Code		Gen EPA ID	
Manifest	11009311		
Destination		Grid	
PO	HSR EPPINGER		
Profile	101221CO (E&P Contaminated Soil)		
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)		

	Time	Scale	Operator	Inbound	Gross	52120 lb
In	05/25/2022 11:17:50	Inbound	aconner6		Tare	25780 lb
Out	05/25/2022 11:37:08	Outbound	kconvers		Net	26340 lb
					Tons	13.17

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	13.17	Tons				VARIOUS PD

Total Tax
 Total Ticket

Driver`s Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Doc No.		2. Page 1 of	
3. Generator's Mailing Address:			Generator's Site Address (if different than mailing):			A. Manifest Number	
4. Generator's Phone 303-831-3971			PDC ENERGY WELL NAME: HSR EPPINGER WELL #: G-1 Site 1 IS G6W SEMN			WMNA 11009311	
5. Transporter 1 Company Name			6. US EPA ID Number			B. State Generator's ID	
SRO CO # 11						C. State Transporter's ID	
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone	
9. Designated Facility Name and Site Address			10. US EPA ID Number			E. State Transporter's ID	
BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643						F. Transporter's Phone	
						G. State Facility ID	
						H. State Facility Phone 303-732-0218	
11. Description of Waste Materials				12. Containers		13. Total Quantity	14. Unit Wt./Vol.
a. NON REGULATED SOLID - E&P CONTAMINATED SOIL				No. Type			
WM Profile # 101221CO							
b.							
WM Profile #							
c.							
WM Profile #							
d.							
WM Profile #							
J. Additional Descriptions for Materials Listed Above				K. Disposal Location			
				Cell		Level	
				Grid			
15. Special Handling Instructions and Additional Information							
ACCOUNT BR 343 CUST NAME: PDC ENERGY							
Purchase Order #				EMERGENCY CONTACT / PHONE NO.:			
16. GENERATOR'S CERTIFICATE:							
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.							
Printed Name			Signature "On Behalf of"			Month	Day
Evan Crawford						5	25
Year							
2022							
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed Name			Signature			Month	Day
Year							
2022							
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed Name			Signature			Month	Day
manuel Aviz						5	25
Year							
2022							
19. Certificate of Final Treatment/Disposal							
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.							
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.							
Printed Name			Signature			Month	Day
A Conner						5	25
Year							
2022							

GENERATOR

TRANSPORTER

FACILITY

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Gold- TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY



Buffalo Ridge
 11655 CR 59
 Keenesburg, CO, 80643
 Ph: (303)732-0218

Reprint
 Ticket# 1162894

Customer Name	PDC ENERGY PDC ENERGY	Carrier	STANDARD RESOURCES
Ticket Date	05/25/2022	Vehicle#	11
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000343
State Waste Code		Gen EPA ID	
Manifest	11009312		
Destination		Grid	
PO			
Profile	101221CO (E&P Contaminated Soil)		
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)		

	Time	Scale	Operator	Inbound	Gross	49260 lb
In	05/25/2022 13:28:16	Inbound	aconner6		Tare	25780 lb
Out	05/25/2022 13:28:16		aconner6		Net	23480 lb
					Tons	11.74

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	11.74	Tons				HSR EPPING

Total Tax
 Total Ticket

Driver`s Signature

Manvel



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of		
3. Generator's Mailing Address:		Generator's Site Address (if different than mailing): PDC ENERGY WELL NAME: HSR Eppinger WELL #: G-1 SEC 1 IS G6W SENW		A. Manifest Number WMNA	11009312	
4. Generator's Phone 303-831-3971				B. State Generator's ID		
5. Transporter 1 Company Name SRO CO #11		6. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643		10. US EPA ID Number		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility ID		
				H. State Facility Phone 303-732-0218		
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity	
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL		No.	Type	14. Unit Wt./Vol.	
	WM Profile # 101221CO				I. Misc. Comments	
	b. WM Profile #					
	c. WM Profile #					
TRANSPORTER	J. Additional Descriptions for Materials Listed Above		K. Disposal Location			
			Cell		Level	
			Grid			
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY						
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:				
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.						
Printed Name <i>Ean Crawford</i>		Signature "On behalf of" <i>[Signature]</i>		Month	Day	
				5	25	
				2022		
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials					
	Printed Name	Signature	Month	Day	Year	
TRANSPORTER	18. Transporter 2 Acknowledgement of Receipt of Materials					
	Printed Name <i>Manuel Ruiz</i>	Signature <i>[Signature]</i>	Month	Day	Year	
				5	25	
				22		
FACILITY	19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.					
	20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.					
Printed Name <i>A. Connor</i>		Signature <i>[Signature]</i>		Month	Day	
				5	25	
				22		

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Yellow- GENERATOR #1 COPY



Buffalo Ridge
 11655 CR 59
 Keenesburg, CO, 80643
 Ph: (303)732-0218

Reprint
 Ticket# 1162889

Customer Name	PDC ENERGY PDC ENERGY	Carrier	FARAON	Volume
Ticket Date	05/25/2022	Vehicle#	39	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0000343	
State Waste Code		Gen EPA ID		
Manifest	11009314			
Destination		Grid		
PO				
Profile	101221CO (E&P Contaminated Soil)			
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)			

	Time	Scale	Operator	Inbound	Gross	47660 lb
In	05/25/2022 13:04:58	Inbound	aconner6		Tare	19000 lb
Out	05/25/2022 13:04:58		aconner6		Net	28660 lb
					Tons	14.33

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	14.33	Tons				HSR EPPING

Total Tax
 Total Ticket

Driver`s Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	
3. Generator's Mailing Address:		Generator's Site Address (if different than mailing): PDC ENERGY WELL NAME: HSR EPPINGER WELL #: G-1 Sec 1 IS G66W SE NW		A. Manifest Number WMNA	11009314
4. Generator's Phone 303-831-3971				B. State Generator's ID	
5. Transporter 1 Company Name ARRAON TRUCKING LLC		6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (970) 389-9465	
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643		10. US EPA ID Number		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility ID	
				H. State Facility Phone 303-732-0218	
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL		No.	Type	14. Unit Wt./Vol.
	WM Profile # 101221CO				I. Misc. Comments
	b.				
	WM Profile #				
	c.				
WM Profile #					
d.					
WM Profile #					
J. Additional Descriptions for Materials Listed Above		K. Disposal Location			
		Cell		Level	
		Grid			
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY					
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:			
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.					
Printed Name Erin Crawford		Signature "On behalf of" <i>[Signature]</i>		Month 5	Day 25
				Year 2022	
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		
	Printed Name JUAN PEREA		Signature <i>[Signature]</i>		Month 5
					Day 25
				Year 2022	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day
Printed Name				Year	
FACILITY	19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
	20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.				
Printed Name		Signature		Month	Day
				Year	

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
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Yellow- GENERATOR #1 COPY



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 11655 CR 59
 Keenesburg, CO, 80643
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Reprint
 Ticket# 1162870

Customer Name	PDC ENERGY PDC ENERGY	Carrier	STANDARD RESOURCES
Ticket Date	05/25/2022	Vehicle#	14
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000343
State Waste Code		Gen EPA ID	
Manifest	11009310		
Destination		Grid	
PO	HSR Eppinger		
Profile	101221CO (E&P Contaminated Soil)		
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)		

	Time	Scale	Operator	Inbound	Gross	55740 lb
In	05/25/2022 11:14:36	Inbound	aconner6		Tare	21500 lb
Out	05/25/2022 11:35:32	Outbound	kconvers		Net	34240 lb
					Tons	17.12

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	17.12	Tons				VARIOUS PD

Total Tax
 Total Ticket

Driver's Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	
3. Generator's Mailing Address:		Generator's Site Address (if different than mailing): PDC ENERGY WELL NAME: <i>HSR Eppingey</i> WELL #: <i>6-1</i>		A. Manifest Number WMNA	11009310
4. Generator's Phone: 303-831-3971		<i>Sc 1 15 66w SENW</i>		B. State Generator's ID	
5. Transporter 1 Company Name <i>SRO CO # 14</i>		6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone	
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643		10. US EPA ID Number		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility ID	
				H. State Facility Phone: 303-732-0218	
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity
			No.	Type	14. Unit Wt./Vol.
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL				
	WM Profile # 101221CO				
	b. Waste				
WM Profile #					
c. Waste					
WM Profile #					
d. Waste					
WM Profile #					
J. Additional Descriptions for Materials Listed Above		K. Disposal Location			
		Cell		Level	
		Grid			
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY					
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:			
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.					
Printed Name: <i>Erin Crawford</i>		Signature "On behalf of": <i>[Signature]</i>		Month: 5	Day: 25
				Year: 2022	
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials				
	Printed Name		Signature		Month: Day: Year:
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed Name: <i>Fermín Perez</i>		Signature: <i>[Signature]</i>		Month: 5	Day: 25
				Year: 2022	
FACILITY	19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
	20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.				
Printed Name: <i>A. Connor</i>		Signature: <i>[Signature]</i>		Month: 5	Day: 25
				Year: 2022	

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY



Buffalo Ridge
 11655 CR 59
 Keenesburg, CO, 80643
 Ph: (303)732-0218

Reprint
 Ticket# 1162911

Customer Name	PDC ENERGY PDC ENERGY	Carrier	FARAON	Volume
Ticket Date	05/25/2022	Vehicle#	38	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0000343	
State Waste Code		Gen EPA ID		
Manifest	11009320			
Destination		Grid		
PO				
Profile	101221CO (E&P Contaminated Soil)			
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)			

	Time	Scale	Operator	Inbound	Gross	52740 lb
In	05/25/2022 15:02:58	Inbound	kconvers		Tare	20940 lb
Out	05/25/2022 15:02:58		kconvers		Net	31800 lb
					Tons	15.90

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	15.90	Tons				VARIOUS PD

Total Tax
 Total Ticket

Driver`s Signature

Cathy



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Doc No.		2. Page 1 of		
3. Generator's Mailing Address:			Generator's Site Address (If different than mailing): PDC ENERGY WELL NAME: HSR EPPINGER WELL #: G-1 Sec 1 IS G6W SENCW			A. Manifest Number WMNA 11009320		
4. Generator's Phone 303-831-3971			6. US EPA ID Number			B. State Generator's ID		
5. Transporter 1 Company Name FARGON #38			7. Transporter 2 Company Name			C. State Transporter's ID		
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643			8. US EPA ID Number			D. Transporter's Phone 970-624-9390		
10. US EPA ID Number			10. US EPA ID Number			E. State Transporter's ID		
11. Description of Waste Materials			12. Containers		13. Total Quantity		14. Unit Wt./Vol.	
a. NON REGULATED SOLID - E&P CONTAMINATED SOIL WM Profile # 101221CO			No. Type		Quantity		I. Misc. Comments TN	
b. WM Profile #								
c. WM Profile #								
d. WM Profile #								
J. Additional Descriptions for Materials Listed Above			K. Disposal Location					
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY			Cell		Level			
Purchase Order #			EMERGENCY CONTACT / PHONE NO.:					
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.								
Printed Name Erin Crawford			Signature "On behalf of"			Month Day Year 5 25 22		
17. Transporter 1 Acknowledgement of Receipt of Materials			Printed Name Cathy Ortiz			Signature Cathy Ortiz		
18. Transporter 2 Acknowledgement of Receipt of Materials			Printed Name			Signature		
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.			20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.					
Printed Name ACenversa			Signature			Month Day Year 5 25 22		

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Pink- FACILITY USE ONLY

Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY



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 11655 CR 59
 Keenesburg, CO, 80643
 Ph: (303)732-0218

Reprint
 Ticket# 1162917

Customer Name	PDC ENERGY PDC ENERGY	Carrier	STANDARD RESOURCES
Ticket Date	05/25/2022	Vehicle#	11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000343
State Waste Code		Gen EPA ID	
Manifest	11009317		
Destination		Grid	
PO	eppinger		
Profile	101221CO (E&P Contaminated Soil)		
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)		

	Time	Scale	Operator	Inbound	Gross	51020 lb
In	05/25/2022 15:27:38	Inbound	kconvers		Tare	25780 lb
Out	05/25/2022 15:27:38		kconvers		Net	25240 lb
					Tons	12.62

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	12.62	Tons				VARIOUS PD

Total Tax
 Total Ticket

Driver`s Signature

Manuel



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Doc No.		2. Page 1 of		
3. Generator's Mailing Address: SRO CO #11		Generator's Site Address (if different than mailing): PDC ENERGY WELL NAME: HSR-EPPINGER WELL #: G-1 Sec 1 IS below SE NW		A. Manifest Number WMNA		11009317		
4. Generator's Phone 303-831-3971		5. Transporter 1 Company Name		6. US EPA ID Number		B. State Generator's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter's Phone		
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643		10. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone		
				G. State Facility ID		H. State Facility Phone 303-732-0218		
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments	
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL WM Profile # 101221CO		No.	Type		TN		
	b. WM Profile #							
	c. WM Profile #							
	d. WM Profile #							
J. Additional Descriptions for Materials Listed Above		K. Disposal Location						
		Cell				Level		
		Grid						
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY								
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:						
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.								
Printed Name Eva Crawford		Signature "On behalf of"				Month 5	Day 25	Year 2022
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed Name		Signature				Month	Day	Year
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed Name Manuel Ruiz		Signature				Month 5	Day 25	Year 22
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.								
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.								
Printed Name A. Conners		Signature				Month 5	Day 25	Year 22

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Pink- FACILITY USE ONLY

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Gold- TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY



Buffalo Ridge
 11655 CR 59
 Keenesburg, CO, 80643
 Ph: (303)732-0218

Reprint
 Ticket# 1162885

Customer Name	PDC ENERGY PDC ENERGY	Carrier	FARAON	Volume
Ticket Date	05/25/2022	Vehicle#	38	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0000343	
State Waste Code		Gen EPA ID		
Manifest	11009315			
Destination		Grid		
PO				
Profile	101221CO (E&P Contaminated Soil)			
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)			

	Time	Scale	Operator	Inbound	Gross	52000 lb
In	05/25/2022 12:46:18	Inbound	aconner6		Tare	20940 lb
Out	05/25/2022 13:08:42	Outbound	aconner6		Net	31060 lb
					Tons	15.53

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	15.53	Tons				HSR EPPING

Total Tax
 Total Ticket

Driver`s Signature

CATHY



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of			
3. Generator's Mailing Address:		Generator's Site Address (If different than mailing): PDC ENERGY WELL NAME: HSR-Eppinger WELL #: G-1 Sec 1 S1 G6W SE NW		A. Manifest Number WMNA	11009315		
4. Generator's Phone 303-831-3971				B. State Generator's ID			
5. Transporter 1 Company Name Fardon Trucking LLC		6. US EPA ID Number		C. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 970-624-9390			
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643		10. US EPA ID Number		E. State Transporter's ID			
				F. Transporter's Phone			
				G. State Facility ID			
				H. State Facility Phone 303-732-0218			
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL		No.	Type			
	WM Profile # 101221CO						
	b.		No.	Type			
	WM Profile #						
c.		No.	Type				
WM Profile #							
d.		No.	Type				
WM Profile #							
J. Additional Descriptions for Materials Listed Above		K. Disposal Location					
		Cell		Level			
		Grid					
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY							
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:					
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.							
Printed Name Erin Crawford		Signature "On behalf of"			Month	Day	Year
					5	25	2022
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month	Day	Year
	Printed Name Cathy Ortiz		Cathy Ortiz		5	25	22
TRANSPORTER	18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day	Year
	Printed Name						
FACILITY	19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.						
	20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.						
Printed Name A CONNER		Signature			Month	Day	Year
					5	25	22

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 11655 CR 59
 Keenesburg, CO, 80643
 Ph: (303)732-0218

Reprint
 Ticket# 1162916

Customer Name	PDC ENERGY PDC ENERGY	Carrier	STANDARD RESOURCES
Ticket Date	05/25/2022	Vehicle#	14
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000343
State Waste Code		Gen EPA ID	
Manifest	11009316		
Destination		Grid	
PO	eppinger		
Profile	101221CO (E&P Contaminated Soil)		
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)		

	Time	Scale	Operator	Inbound	Gross	49080 lb
In	05/25/2022 15:25:33	Inbound	kconvers		Tare	21500 lb
Out	05/25/2022 15:25:33		kconvers		Net	27580 lb
					Tons	13.79

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	13.79	Tons				VARIOUS PD

Total Tax
 Total Ticket

Driver`s Signature

Ferman



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	
3. Generator's Mailing Address:		Generator's Site Address (if different than mailing):		A. Manifest Number	11009316
4. Generator's Phone 303-831-3971		PDC ENERGY WELL NAME: HSR Edinger WELL #: G-1 Sec 1 15 G6W SENEW		B. State Generator's ID	
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID	
SRO CO #14				D. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID	
				F. Transporter's Phone	
9. Designated Facility Name and Site Address		10. US EPA ID Number		G. State Facility ID	
BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643				H. State Facility Phone 303-732-0218	
11. Description of Waste Materials		12. Containers		13. Total Quantity	14. Unit Wt./Vol.
a. NON REGULATED SOLID - E&P CONTAMINATED SOIL		No.	Type		TN
WM Profile # 101221CO					
b.					
WM Profile #					
c.					
WM Profile #					
d.					
WM Profile #					
J. Additional Descriptions for Materials Listed Above		K. Disposal Location			
		Cell		Level	
		Grid			
15. Special Handling Instructions and Additional Information					
ACCOUNT BR 343 CUST NAME: PDC ENERGY					
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:			
16. GENERATOR'S CERTIFICATE:					
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.					
Printed Name		Signature "On behalf of"		Month	Day
Erin Crawford				5	25
Year		2022			
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed Name		Signature		Month	Day
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed Name		Signature		Month	Day
Termin Perez				5	25
Year		2022			
19. Certificate of Final Treatment/Disposal					
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.					
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.					
Printed Name		Signature		Month	Day
				5	25
Year		2022			

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Gold- TRANSPORTER #1 COPY



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 Keenesburg, CO, 80643
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Reprint
 Ticket# 1163294

Customer Name	PDC ENERGY PDC ENERGY	Carrier	STANDARD RESOURCES
Ticket Date	05/31/2022	Vehicle#	15
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000343
State Waste Code		Gen EPA ID	
Manifest	11009309		
Destination		Grid	
PO	eppinger		
Profile	101221CO (E&P Contaminated Soil)		
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)		

	Time	Scale	Operator	Inbound	Gross	46560 lb
In	05/31/2022 09:12:36	Inbound	kconvers		Tare	25640 lb
Out	05/31/2022 09:31:28	Outbound	kconvers		Net	20920 lb
					Tons	10.46

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	10.46	Tons				VARIOUS PD

Total Tax
 Total Ticket

Driver`s Signature

Manuel



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	
3. Generator's Mailing Address:		Generator's Site Address (if different than mailing): PDC ENERGY WELL NAME: <i>HSR Eppinger</i> WELL #: <i>6-1</i>		A. Manifest Number WMNA	11009309
4. Generator's Phone: 303-831-3971		<i>Sec 1 IS 66W SENW</i>		B. State Generator's ID	
5. Transporter 1 Company Name <i>SRO CD # 15</i>		6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone	
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643		10. US EPA ID Number		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility ID	
				H. State Facility Phone: 303-732-0218	
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL		No.	Type	14. Unit Wt./Vol.
	WM Profile # 101221CO				
	b. <i>Waste</i>				
	WM Profile #				
c.					
WM Profile #					
d. <i>Waste</i>					
WM Profile #					
J. Additional Descriptions for Materials Listed Above			K. Disposal Location		
			Cell	Level	
			Grid		
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY					
Purchase Order # _____ EMERGENCY CONTACT / PHONE NO.: _____					
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.					
Printed Name <i>Eric Crawford</i>		Signature "On behalf of" <i>[Signature]</i>		Month	Day
					Year
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed Name		Signature		Month	Day
					Year
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed Name <i>manuel Ruiz</i>		Signature <i>[Signature]</i>		Month	Day
				<i>5</i>	<i>31</i>
					<i>2022</i>
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.					
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.					
Printed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month	Day
				<i>5</i>	<i>31</i>
					<i>2022</i>

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Yellow- GENERATOR #1 COPY



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 Keenesburg, CO, 80643
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Reprint
 Ticket# 1163293

Customer Name	PDC ENERGY PDC ENERGY	Carrier	STANDARD RESOURCES
Ticket Date	05/31/2022	Vehicle#	14
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000343
State Waste Code		Gen EPA ID	
Manifest	11009319		
Destination		Grid	
PO	eppinger		
Profile	101221CO (E&P Contaminated Soil)		
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)		

	Time	Scale	Operator	Inbound	Gross	48700 lb
In	05/31/2022 09:10:09	Inbound	kconvers		Tare	21500 lb
Out	05/31/2022 09:10:09		kconvers		Net	27200 lb
					Tons	13.60

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	13.60	Tons				VARIOUS PD

Total Tax
 Total Ticket

Driver's Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	
3. Generator's Mailing Address:		Generator's Site Address (if different than mailing): PDC ENERGY WELL NAME: <i>FISR Eppinger</i> WELL #: <i>G-1</i> <i>Sec 1 IS 66W SENVW</i>		A. Manifest Number WMNA	11009319
4. Generator's Phone: 303-831-3971				B. State Generator's ID	
5. Transporter 1 Company Name <i>SROCO #14</i>		6. US EPA ID Number		C. State Transporter's ID	
				D. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID	
				F. Transporter's Phone	
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643		10. US EPA ID Number		G. State Facility ID	
				H. State Facility Phone: 303-732-0218	
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL		No.	Type	14. Unit Wt./Vol.
	WM Profile # 101221CO				<i>TN</i>
	b.				
	WM Profile #				
c.					
WM Profile #					
d.					
WM Profile #					
J. Additional Descriptions for Materials Listed Above			K. Disposal Location		
			Cell	Level	
			Grid		
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY					
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:			
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.					
Printed Name <i>Eric Crawford</i>		Signature "On behalf of" <i>[Signature]</i>		Month	Day
					Year
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials				
	Printed Name		Signature		Month
				Day	Year
TRANSPORTER	18. Transporter 2 Acknowledgement of Receipt of Materials				
	Printed Name <i>Fermín Pérez</i>		Signature <i>[Signature]</i>		Month
				Day	Year
				<i>5</i>	<i>31</i>
				<i>22</i>	
FACILITY	19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
	20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.				
Printed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month	Day
				<i>5</i>	<i>31</i>
				<i>22</i>	

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 Keenesburg, CO, 80643
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Reprint
 Ticket# 1163323

Customer Name	PDC ENERGY PDC ENERGY	Carrier	STANDARD RESOURCES
Ticket Date	05/31/2022	Vehicle#	14
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000343
State Waste Code		Gen EPA ID	
Manifest	11009322		
Destination		Grid	
PO	EPPINGER		
Profile	101221CO (E&P Contaminated Soil)		
Generator	125-PDC ENERGY PDC ENERGY (VARIOUS)		

	Time	Scale	Operator	Inbound	Gross	47780 lb
In	05/31/2022 11:02:34	Inbound	kconvers		Tare	21500 lb
Out	05/31/2022 11:02:34		kconvers		Net	26280 lb
					Tons	13.14

Comments

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	13.14	Tons				VARIOUS PD

Total Tax
 Total Ticket

Driver`s Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Doc No.		2. Page 1 of			
3. Generator's Mailing Address:			Generator's Site Address (if different than mailing): PDC ENERGY WELL NAME: <i>Eppinger</i> WELL #:			A. Manifest Number WMNA 11009322			
4. Generator's Phone 303-831-3971						B. State Generator's ID			
5. Transporter 1 Company Name <i>SRO CO # 14</i>			6. US EPA ID Number			C. State Transporter's ID			
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone			
9. Designated Facility Name and Site Address BUFFALO RIDGE LANDFILL 11655 WELD COUNTY ROAD 59 KEENESBURG, CO 80643			10. US EPA ID Number			E. State Transporter's ID			
						F. Transporter's Phone			
						G. State Facility ID			
						H. State Facility Phone 303-732-0218			
GENERATOR	11. Description of Waste Materials				12. Containers		13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
	a. NON REGULATED SOLID - E&P CONTAMINATED SOIL				No.	Type			
	WM Profile # 101221CO								
	b.								
	WM Profile #								
	c.								
WM Profile #									
d.									
WM Profile #									
J. Additional Descriptions for Materials Listed Above				K. Disposal Location					
				Cell		Level			
				Grid					
15. Special Handling Instructions and Additional Information ACCOUNT BR 343 CUST NAME: PDC ENERGY									
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:							
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.									
Printed Name <i>Erin Crawford</i>			Signature "On behalf of" <i>[Signature]</i>				Month	Day	Year
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials								
	Printed Name			Signature				Month	Day
TRANSPORTER	18. Transporter 2 Acknowledgement of Receipt of Materials								
	Printed Name <i>Permin Perez</i>			Signature <i>[Signature]</i>				Month	Day
							5	31	22
FACILITY	19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.								
	20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.								
Printed Name			Signature				Month	Day	Year

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Gold- TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY