



June 22, 2016

Mr. Jacob Evans
Noble Energy, Inc.
1625 Broadway, Suite 2200
Denver, Colorado 80202

**Assessment and Excavation Report
Dyer-USX AB #35-13
Well Head Release
40.524370 / -104.524400
SW¼ SW¼ Sec.35 T7N R64W 6PM
Weld County, Colorado
API # 05-123-24547**

Dear Mr. Evans,

Eagle Environmental Consulting, Inc. (EAGLE) is pleased to present this Field Assessment and Soil Analytical Report to Noble Energy, Inc. (Noble) for the above referenced site.

1.0 SITE BACKGROUND

EAGLE was requested by Noble to perform surface assessment activities at the Dyer-USX AB #35-13 site (site) in response to potential soil impacts associated with a well head release. Surface samples were collected prior to remediation to aid in determine the lateral extent of petroleum hydrocarbon impacts at the site.

The Dyer-USX AB #35-13 site is located within the southwest quarter of the southwest quarter of Section 35, Township 7 north, Range 64 west of the 6th Prime Meridian. The well is located at latitude: 40.524370 and longitude -104.524400 in Weld County, Colorado. A topographic site location map is included as Figure 1. An aerial site location map is included as Figure 2. The following narrative details soil assessment and remediation activities at the site.

1.1 Site Hydrogeology

Based on field observations, soil conditions observed adjacent to the Dyer-USX AB #35-13 well consisted of a sandy, clayey, silt from the surface to approximately 2 feet below ground surface (bgs), followed by a sandy clay from approximately 2 feet bgs to 5 feet bgs. At approximately 5 feet bgs, a weathered claystone was observed to approximately 9 feet bgs, underlain by a shale bedrock. Groundwater was not observed during excavation activities.

2.0 INITIAL SOIL ASSESSMENT ACTIVITIES

On May 27, 2016, EAGLE collected surface and background soil samples (SS-01 through SS-16) within the visually stained area surrounding the Dyer-USX AB #35-13 well head.

During soil sampling activities, a portion of each soil sample was placed in a sealable plastic bag for volatile organic compound (VOC) headspace analysis utilizing a field calibrated photoionization detector

(PID). Another portion of the soil sample was placed in a 2-ounce glass jar and packed in an iced cooler for laboratory analysis.

Based on location and PID analysis, soil samples SS-01 through SS-16 were submitted to Summit Scientific (Summit), under standard chain of custody (COC) procedures, for analysis of BTEX, naphthalene, TPH-GRO, and TPH-DRO following modified Environmental Protection Agency (EPA) Methods 8260c and 8015. Soil samples SS-01 through SS-16 were also analyzed for total arsenic following EPA Method 6020. The laboratory received the soil samples within the required holding time for each laboratory analysis.

Spatial location of each soil sample was recorded using a Trimble GeoXT 6000 series instrument. A site map presenting initial soil sample locations is included as Figure 3.

2.1 Soil Analytical Results

Based on soil laboratory analytical results, soil samples SS-10@0.5-1' and SS-11@0.5-1' contained concentrations of total petroleum hydrocarbons (TPH) exceeding the COGCC Table 910-1 regulatory limit of 500 milligrams per kilogram (mg/kg) (6,500 mg/kg and 14,000 mg/kg, respectively). Soil sample SS-11@0.5-1' also contained a concentration of benzene (1.7 mg/kg) exceeding the COGCC Table 910-1 regulatory limit of 0.17 mg/kg. All other soil samples collected did not contain concentrations of BTEX, naphthalene, or TPH exceeding applicable COGCC Table 910-1 regulatory limits.

Soil analytical results are summarized in Table 1 and presented in Figure 3. Soil laboratory analytical reports are included in Attachment A.

3.0 EXCAVATION ACTIVITIES

From June 6, 2016 through June 8, 2016, EAGLE supervised excavation activities to remove adsorbed petroleum hydrocarbon impacts beneath, and adjacent to, the Dyer-USX AB #35-13 wellhead. Wells Trucking provided the necessary equipment and personnel to remove and transport petroleum hydrocarbon impacted soil from the site.

Waste characterization/confirmation soil samples (SS-20 through SS-48) were collected at various locations to determine the lateral and vertical extent of petroleum hydrocarbon impacts in the soil adjacent to the well head. A portion of each soil sample was placed in a sealable plastic bag for VOC headspace analysis utilizing a field calibrated PID. Another portion of the soil sample was placed in a 2-ounce glass jar and packed in an iced cooler for laboratory analysis.

Based on location and PID analysis, selected jarred soil samples were submitted to Summit, under standard chain of custody procedures, for analysis of BTEX, naphthalene, TPH-GRO, and TPH-DRO following modified Environmental Protection Agency (EPA) Methods 8260c and 8015. Submitted soil samples were also analyzed for total arsenic following EPA Method 6020.

A total of 22 confirmation soil samples (SS-20@1.5', SS-21@1.5', SS-22@1.5', SS-26@7.5', SS-27@7.5', SS-28@7.5', SS-29@7.5', SS-30@10', SS-31@8', SS-34@10', SS-35@8', SS-36@10', SS-37@8', SS-38@10', SS-39@8', SS-40@10', SS-41@8', SS-44@8', SS-45@10', SS-46@8.5', SS-47@3', and SS-48@10') collected from the excavation were submitted for laboratory analysis. Spatial location of each soil sample was recorded utilizing a Trimble GeoXT 6000 series instrument. A site map presenting the limits of the excavation, as well as soil sample locations, is included as Figure 4. A cross section of soil samples at varying depths of the excavation is included as Figure 5.

The final limits of the Dyer-USX AB #35-13 excavation extended approximately 29 feet east to west and approximately 46 feet north to south. The excavation was advanced to a total depth of approximately 10 feet bgs. An area south of the excavation was scraped a total of 3 feet bgs. The scraped area extended approximately 100 feet northeast to southwest, by approximately 50 feet northwest to southeast.

A total of approximately 1,110 cubic yards of soil was removed during excavation activities and transported offsite for disposal at an appropriately permitted facility. Following collection of confirmatory soil samples, the excavation was backfilled with clean structural fill and compacted to grade.

3.1 Soil Analytical Results

Based on soil laboratory analytical results:

- Soil samples SS-26@7.5', SS-27@7.5', SS-28@7.5', SS-29@7.5', and SS-39@8' contained concentrations of benzene exceeding the COGCC Table 910-1 regulatory limit of 0.17 mg/kg (0.34 mg/kg, 25 mg/kg, 0.19 mg/kg, 0.62 mg/kg, and 0.49 mg/kg, respectively).
- Soil samples SS-26@7.5', SS-27@7.5', SS-29@7.5', and SS-39@8' contained concentrations of TPH exceeding the COGCC Table 910-1 regulatory limit of 500 mg/kg (550 mg/kg, 9,000 mg/kg, 860 mg/kg, and 1,330 mg/kg, respectively).
- The excavation was extended laterally and vertically to a depth of approximately 10 feet bgs to remove adsorbed petroleum hydrocarbon impacts.
- Soil samples SS-31@8', SS-34@10', SS-35@8', SS-36@10', SS-37@8', SS-38@10', SS-40@10', SS-45@10', and SS-46@8.5' were collected to confirm petroleum hydrocarbon impacts had been removed.

Soil analytical results are summarized in Table 1 and presented in Figure 4. Laboratory analytical reports for the soil samples collected during excavation activities are included in Attachment A.

3.2 Arsenic Analytical Results

All soil samples submitted for laboratory analysis were also analyzed for arsenic following EPA Method 6020. Arsenic is a naturally occurring element within certain soils observed in Colorado. During initial assessment activities, EAGLE collected soil samples outside of observed surface impacts to aid in determining background arsenic concentrations at the site. Arsenic concentrations ranged from 2.89 mg/kg (SS-08@0-0.25') to 3.89 mg/kg (SS-15@0.25-0.5').

During excavation activities, shale bedrock was observed at approximately 9 feet bgs. Shale is known to contain naturally occurring arsenic. Soil sample SS-30@10' contained an arsenic concentration of 29.7 mg/kg, but did not contain concentrations of BTEX, naphthalene, or TPH exceeding applicable COGCC Table 910-1 regulatory limits. Soil sample SS-48@10' was collected adjacent to soil sample SS-30@10' to confirm arsenic concentrations. Soil sample SS-48@10' contained an arsenic concentration of 22.2 mg/kg, but no detectable concentrations of BTEX, naphthalene, or TPH, confirming the observed arsenic is naturally occurring.

4.0 CONCLUSIONS

Based on the information presented in this report, EAGLE concludes the following:

- On May 27, 2016, EAGLE completed initial assessment activities following a release at the Dyer-USX AB #35-13 well head.
- From June 6, 2016 through June 8, 2016, EAGLE supervised excavation and soil scraping activities at the site.
- Confirmation soil samples (SS-20@1.5', SS-21@1.5', SS-22@1.5', SS-30@10', SS-31@8', SS-34@10', SS-35@8', SS-36@10', SS-37@8', SS-38@10', SS-40@10', SS-41@8', SS-44@8', SS-45@10', SS_46@8.5', SS-47@3', and SS-48@10' collected from the sidewalls and floor of the Dyer-USX AB #35-13 excavation and scraped area did not contain concentrations of BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding applicable COGCC Table 910-1 regulatory limits and/or laboratory reporting limits.
- Approximately 1,110 cubic yards of soil was removed from the site during excavation activities.

5.0 RECOMMENDATIONS

Based on the information presented in this report, EAGLE recommends the following:

- No Further Action associated with the well head release appears warranted at the Dyer-USX AB #35-13 site at this time.

EAGLE sincerely appreciates the opportunity to provide our services. If you have any questions or require further information, please contact us at (303) 433-0479.

Sincerely,

EAGLE ENVIRONMENTAL CONSULTING, INC.



Robin Lockwood
Project Scientist



Martin Eckert III
Senior Project Manager

FIGURES

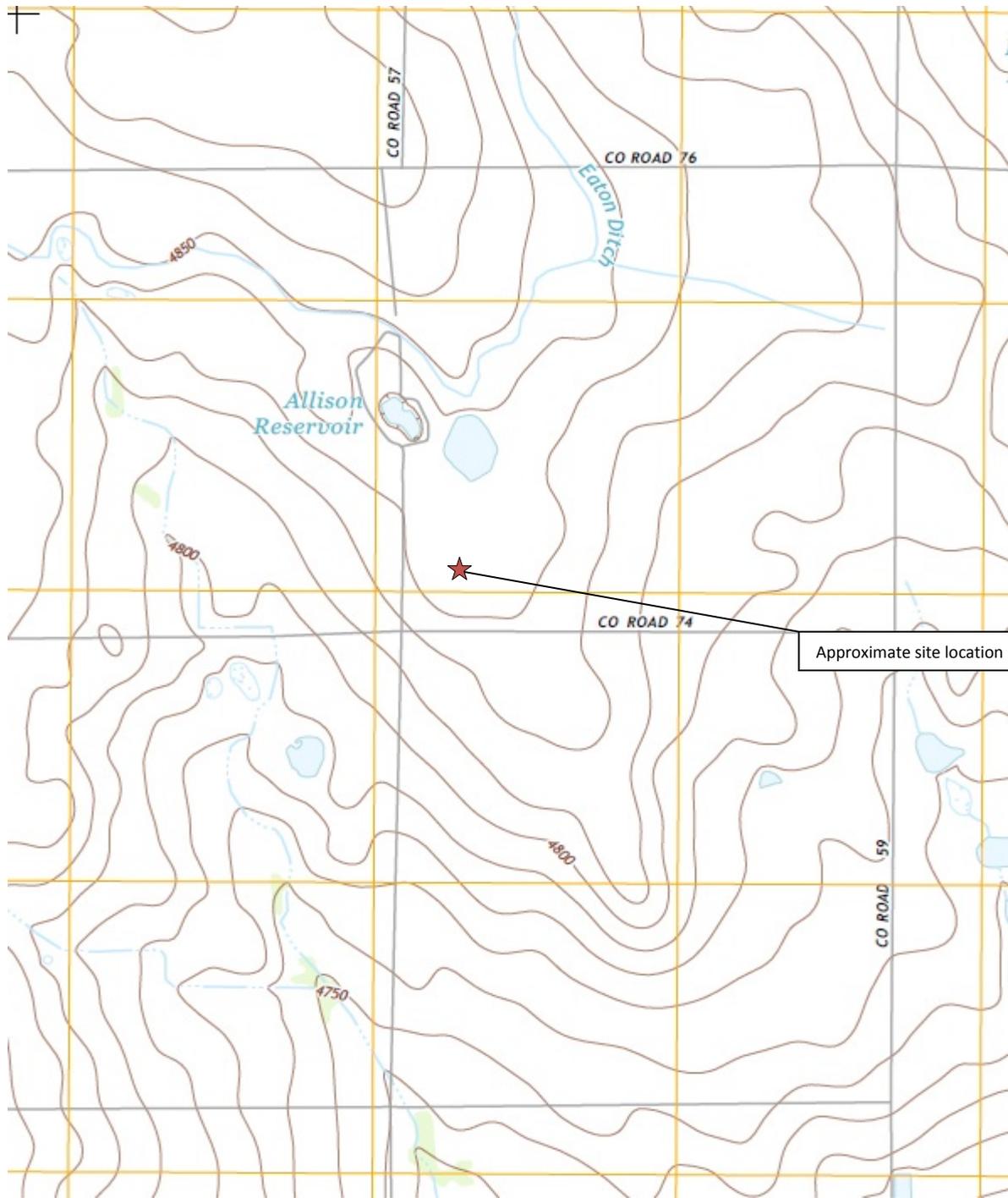
Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Initial Assessment Soil Analytical Map

Figure 4: Excavation Soil Analytical Map

Figure 5: Excavation Cross Section (A-A')



Topographic Site Location Map

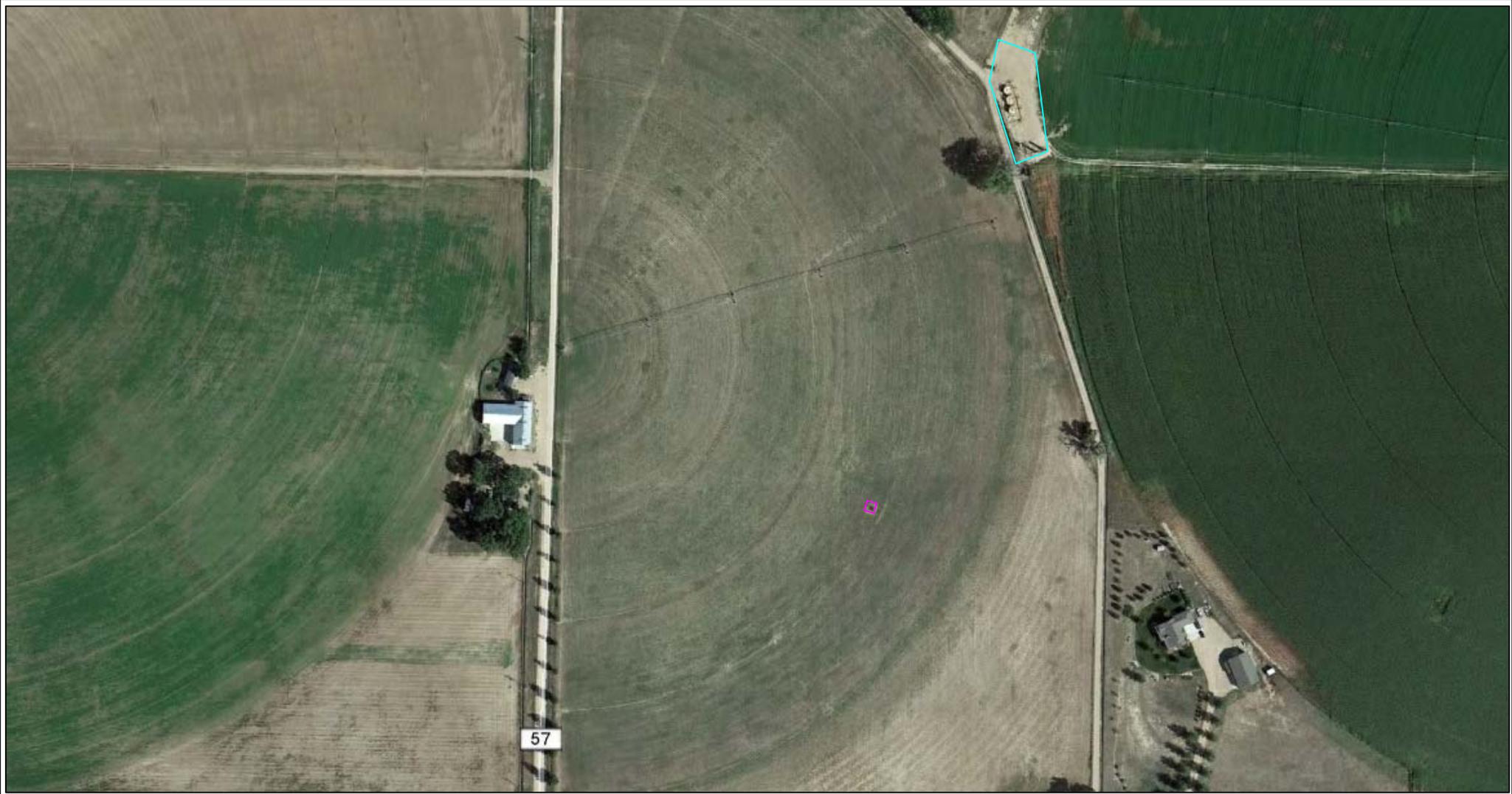
Dyer-USX AB #35-13
 Well Head Release
 40.524370 / -104.524400
 SW¼ SW¼ SEC.35 T7N R64W 6PM
 Weld County, Colorado
 API # 05-123-24547



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 CONSULTING, INC.

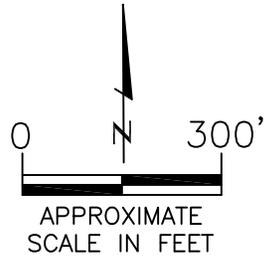
Source: USGS 7.5 Minute Topographic
 Map: Galeton, CO
 Quadrangle 2013

Figure 1



LEGEND

- DYER-USX AB #35-13 TANK BATTERY
- DYER-USX AB #35-13 WELL HEAD/RELEASE LOCATION



AERIAL SITE LOCATION MAP
 DYER-USX AB #35-13
 WELL HEAD RELEASE
 40.524370 / -104.524400
 SW1/4 SW1/4 SEC.35 T7N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-24547

DATE: 05/20/16

FIG. NO.
2

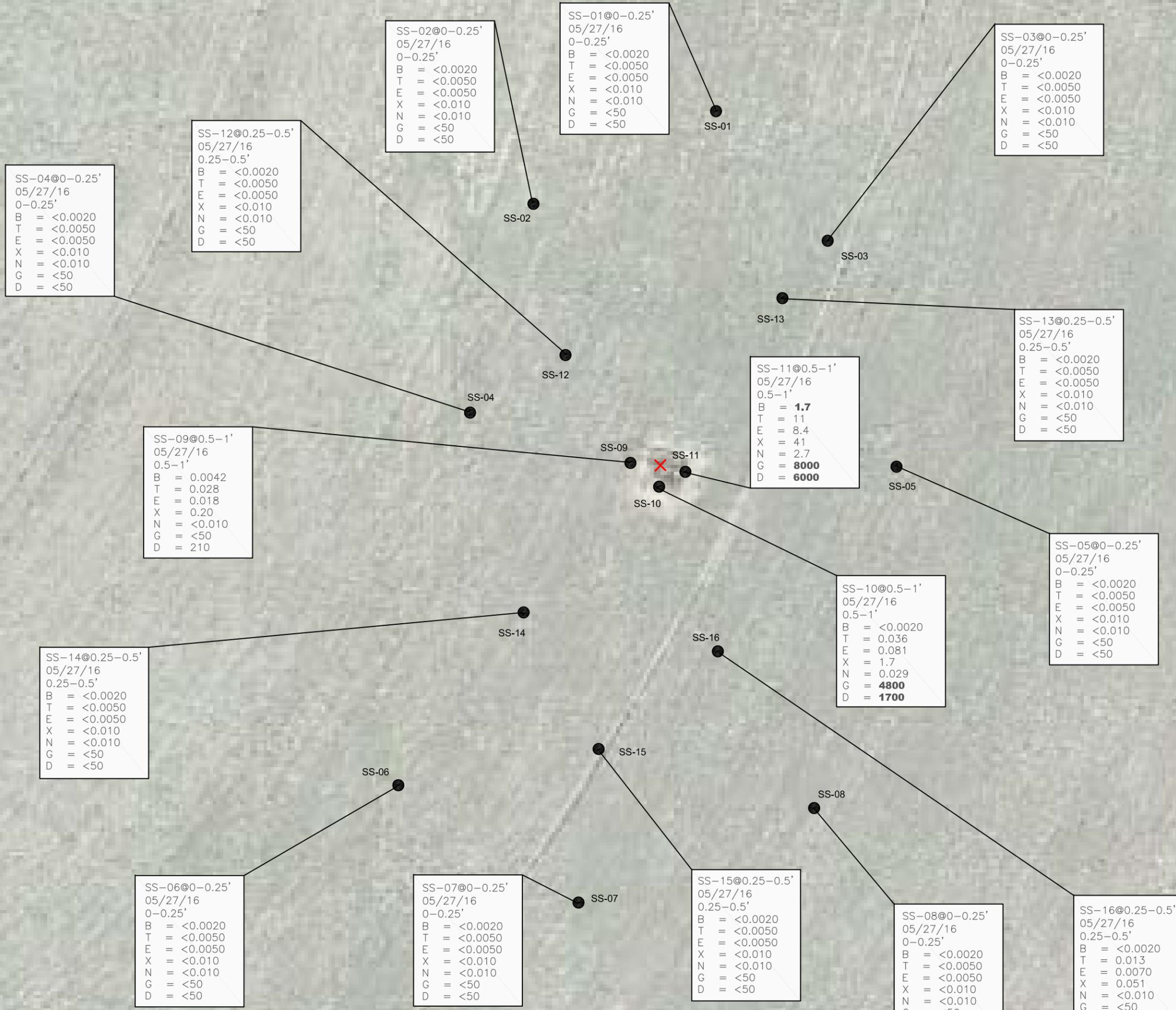
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EAGLE

ENVIRONMENTAL
CONSULTING, INC.

4101 INCA STREET, DENVER, CO 80211
Ph: 303-433-0479 • F: 303-325-5449



LEGEND

✗ WELL HEAD/RELEASE LOCATION

● APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

SS-01

PARAMETERS

SAMPLE LOCATION
DATE
DEPTH (FEET)
B = BENZENE (mg/kg)
T = TOLUENE (mg/kg)
E = ETHYLBENZENE (mg/kg)
X = TOTAL XYLENES (mg/kg)
N = NAPHTHALENE (mg/kg)
G = TPH-GRO (mg/kg)
D = TPH-DRO (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

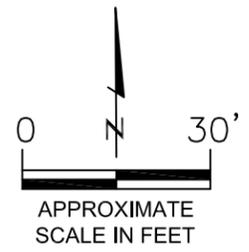
TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS

TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS

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

VALUES PRESENTED IN **BOLD** TYPEFACE CONTAIN CONCENTRATIONS EXCEEDING COGCC TABLE 910-1 REGULATORY LIMITS

COGCC - COLORADO OIL AND GAS CONSERVATION COMMISSION



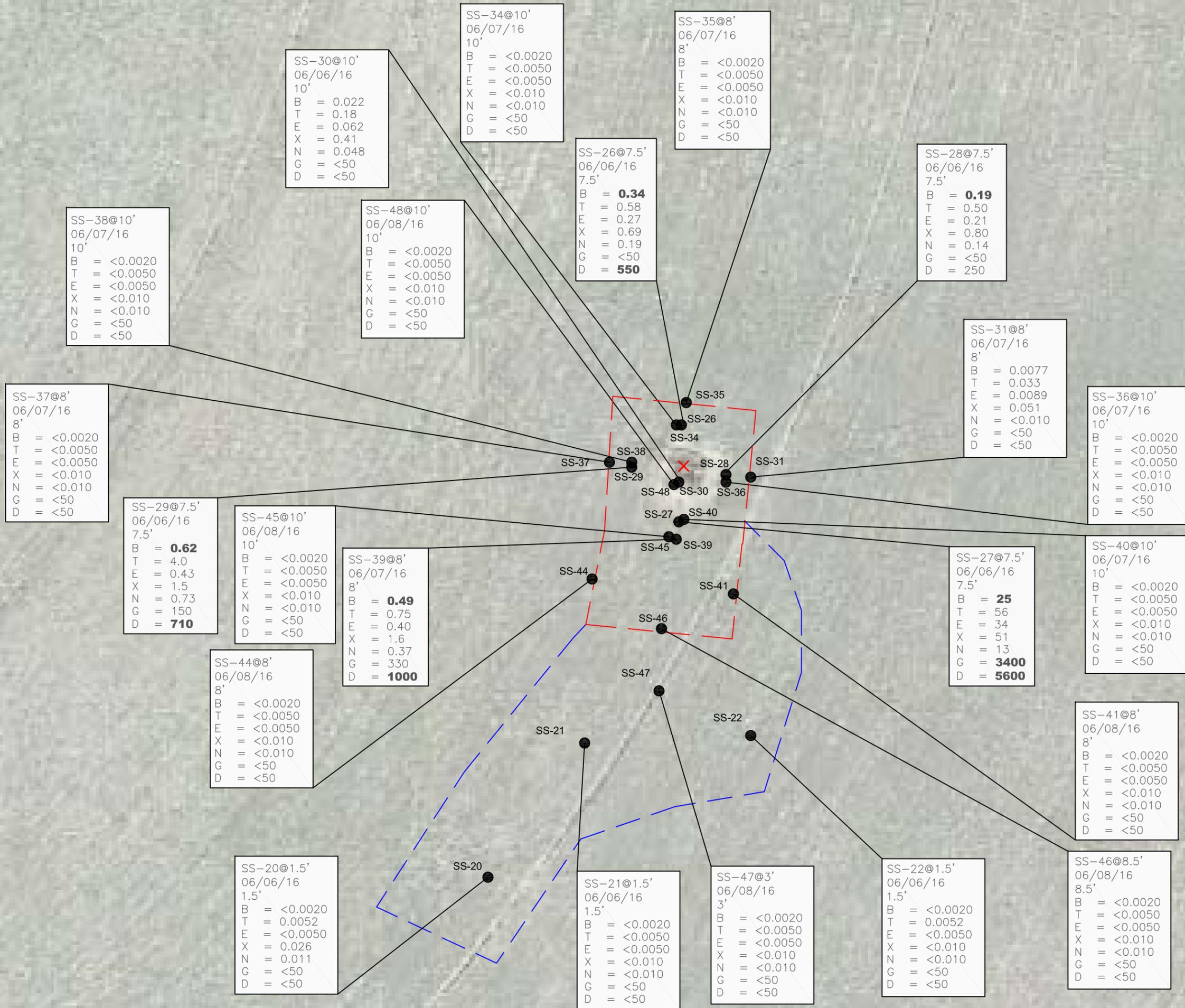
INITIAL ASSESSMENT SOIL ANALYTICAL MAP
DYER-USX AB #35-13
WELL HEAD RELEASE
40.524370/-104.524400
SW1/4 SW1/4 SEC.35 T7N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-24547

DATE
06/15/16

FIG. NO.
3

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LEGEND

- ✗ WELL HEAD/RELEASE LOCATION
- APPROXIMATE SCRAPED BOUNDARIES
- APPROXIMATE EXCAVATION BOUNDARIES
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE
DEPTH (FEET)
B = BENZENE (mg/kg)
T = TOLUENE (mg/kg)
E = ETHYLBENZENE (mg/kg)
X = TOTAL XYLENES (mg/kg)
N = NAPHTHALENE (mg/kg)
G = TPH-GRO (mg/kg)
D = TPH-DRO (mg/kg)

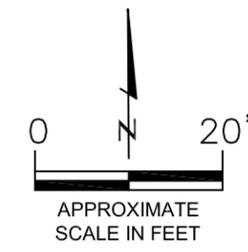
mg/kg = MILLIGRAMS PER KILOGRAM
TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS

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

VALUES PRESENTED IN **BOLD** TYPEFACE CONTAIN CONCENTRATIONS EXCEEDING COGCC TABLE 910-1 REGULATORY LIMITS

COGCC - COLORADO OIL AND GAS CONSERVATION COMMISSION

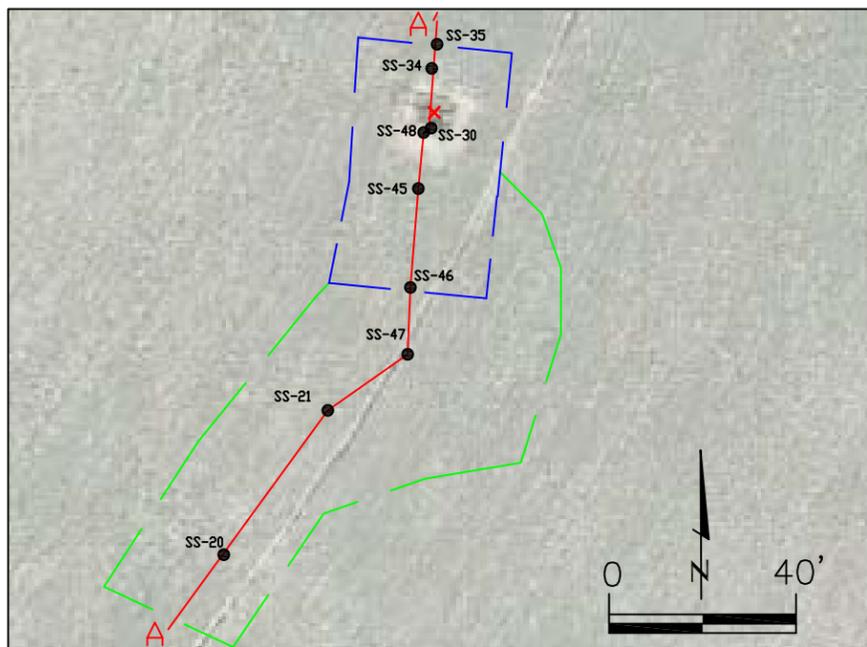
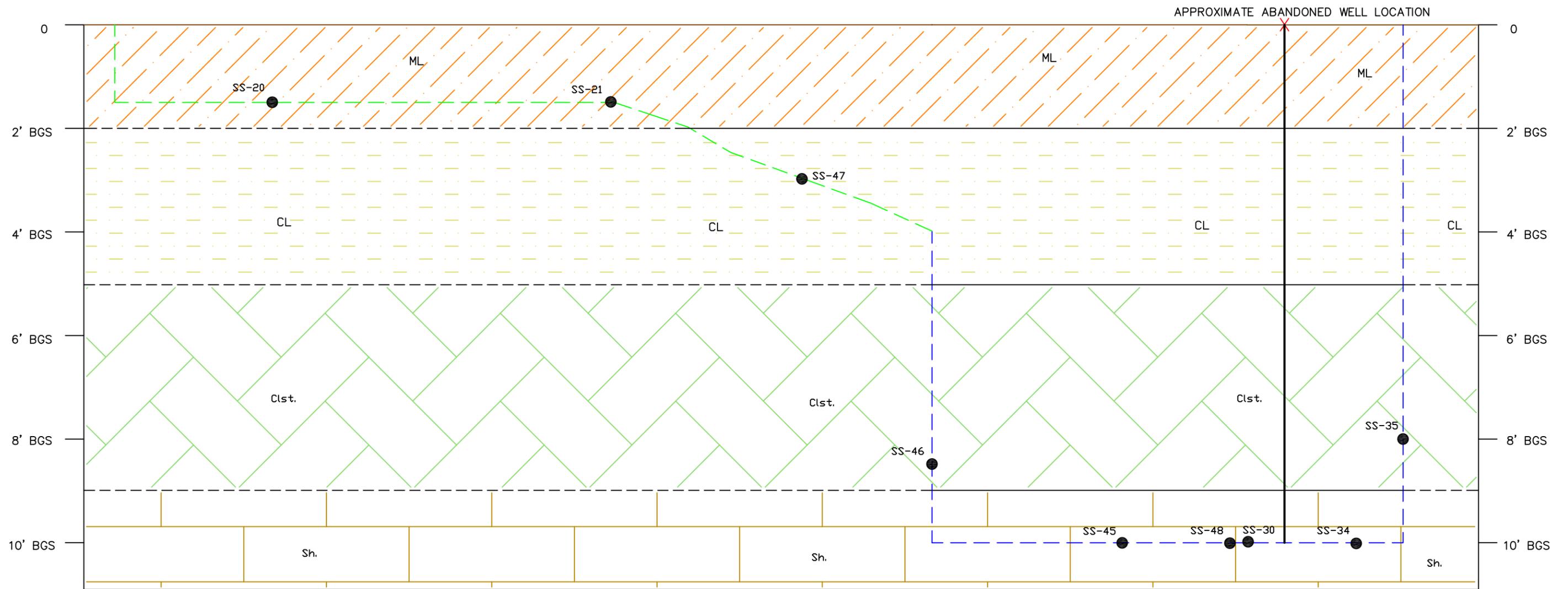
NOTE: MAP DOES NOT INCLUDE SAMPLES COLLECTED DURING INITIAL ASSESSMENT ACTIVITIES.



EXCAVATION SOIL ANALYTICAL MAP
DYER-USX AB #35-13
WELL HEAD RELEASE
40.524370/-104.524400
SW1/4 SW1/4 SEC.35 T7N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-24547

DATE
06/15/16
FIG. NO.
4
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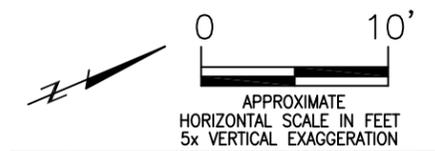




LEGEND

-  SANDY CLAYEY SILT
-  SANDY CLAY
-  WEATHERED CLAYSTONE
-  SHALE BEDROCK
-  GROUND SURFACE
-  EXCAVATION BOUNDARIES
-  SCRAP BOUNDARIES
-  OBSERVED CONTACT
-  INFERRED CONTACT
-  A—A' LINE OF CROSS SECTION
-  X RELEASE LOCATION

-  SS-45 SOIL SAMPLE LOCATION
- BGS = BELOW GROUND SURFACE



EXCAVATION CROSS SECTION (A-A')
 DYER-USX AB #35-13
 WELL HEAD RELEASE
 40.524370 / -104.524400
 SW1/4 SW1/4 SEC.35 T7N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-24547



FIG. NO. 5	DATE: 06/15/16	DRAWN BY: AMN
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TABLE

Table 1: Soil Analytical Results Summary

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
DYER USX AB #35-13
WELL HEAD RELEASE
40.524370 / -104.524400
SW¼ SW¼ SEC.35 T7N R64W 6PM
WELD COUNTY, COLORADO
API #05-123-24547

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Arsenic (mg/kg)
COGCC - Regulatory Limits (Table 910-1) (mg/kg)			0.17	85	100	175	23	500	500	--
SS-01 @ 0-0.25' (40.524655652 / -104.524318789)	05/27/16	0-0.25	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.36
SS-02 @ 0-0.25' (40.524581421 / -104.524514429)	05/27/16	0-0.25	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.25
SS-03 @ 0-0.25' (40.524557303 / -104.524208379)	05/27/16	0-0.25	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.58
SS-04 @ 0-0.25' (40.524416331 / -104.524577166)	05/27/16	0-0.25	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.39
SS-05 @ 0-0.25' (40.524373551 / -104.524140053)	05/27/16	0-0.25	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.13
SS-06 @ 0-0.25' (40.524121328 / -104.524655994)	05/27/16	0-0.25	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.40
SS-07 @ 0-0.25' (40.524029837 / -104.524465158)	05/27/16	0-0.25	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.25
SS-08 @ 0-0.25' (40.524106684 / -104.524223817)	05/27/16	0-0.25	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	2.89
SS-09 @ 0.5-1' (40.52437163 / -104.524406809)	05/27/16	0.5-1	0.0042	0.028	0.018	0.20	<0.010	<50	210	3.71
SS-10 @ 0.5-1' (40.524354038 / -104.52439872)	05/27/16	0.5-1	<0.0020	0.036	0.081	1.7	0.029	4800	1700	3.54
SS-11 @ 0.5-1' (40.524368239 / -104.52436929)	05/27/16	0.5-1	1.7	11	8.4	41	2.7	8000	6000	3.17
SS-12 @ 0.25-0.5' (40.52446425 / -104.524477371)	05/27/16	0.25-0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.10
SS-13 @ 0.25-0.5' (40.52450566 / -104.524259112)	05/27/16	0.25-0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.75
SS-14 @ 0.25-0.5' (40.524259795 / -104.524524252)	05/27/16	0.25-0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.72
SS-15 @ 0.25-0.5' (40.524150185 / -104.524444201)	05/27/16	0.25-0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.89



TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
DYER USX AB #35-13
WELL HEAD RELEASE
40.524370 / -104.524400
SW¼ SW¼ SEC.35 T7N R64W 6PM
WELD COUNTY, COLORADO
API #05-123-24547

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Arsenic (mg/kg)
COGCC - Regulatory Limits (Table 910-1) (mg/kg)			0.17	85	100	175	23	500	500	--
SS-16 @ 0.25-0.5' (40.524228199 / -104.524321038)	05/27/16	0.25-0.5	<0.0020	0.013	0.0070	0.051	<0.010	<50	<50	4.17
SS-20 @ 1.5 (40.524135621 / -104.524567358)	06/06/16	1.5	<0.0020	0.0052	<0.0050	0.026	0.011	<50	<50	4.54
SS-21 @ 1.5' (40.524165551 / -104.524528339)	06/06/16	1.5	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	3.06
SS-22 @ 1.5' (40.524174922 / -104.524465202)	06/06/16	1.5	<0.0020	0.0052	<0.0050	<0.010	<0.010	<50	<50	3.84
SS-26 @ 7.5' (40.524397 / -104.524381)	06/06/16	7.5	0.34	0.58	0.27	0.69	0.19	<50	550	1.99
SS-27 @ 7.5' (40.524326 / -104.524404)	06/06/16	7.5	25	56	34	51	13	3400	5600	3.78
SS-28 @ 7.5' (40.524364 / -104.524341)	06/06/16	7.5	0.19	0.50	0.21	0.80	0.14	<50	250	3.58
SS-29 @ 7.5' (40.524366 / -104.524442)	06/06/16	7.5	0.62	4.0	0.43	1.5	0.73	150	710	2.96
SS-30 @ 10' (40.524355 / -104.524397)	06/06/16	10	0.022	0.18	0.062	0.41	0.048	<50	<50	29.7
SS-31 @ 8' (40.524354273 / -104.524325052)	06/07/16	8	0.0077	0.033	0.0089	0.051	<0.010	<50	<50	<0.241
SS-34 @ 10' (40.524397 / -104.524381)	06/07/16	10	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	0.611
SS-35 @ 8' (40.524408584 / -104.524360563)	06/07/16	8	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	0.269
SS-36 @ 10' (40.524364 / -104.524341)	06/07/16	10	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	0.267
SS-37 @ 8' (40.524370 / -104.524459)	06/07/16	8	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	0.429
SS-38 @ 10' (40.524366 / -104.524442)	06/07/16	10	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	5.39



TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
DYER USX AB #35-13
WELL HEAD RELEASE
40.524370 / -104.524400
SW¼ SW¼ SEC.35 T7N R64W 6PM
WELD COUNTY, COLORADO
API #05-123-24547

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Arsenic (mg/kg)
COGCC - Regulatory Limits (Table 910-1) (mg/kg)			0.17	85	100	175	23	500	500	--
SS-39 @ 8' (40.524313 / -104.524401)	06/07/16	8	0.49	0.75	0.40	1.6	0.37	330	1000	0.860
SS-40 @ 10' (40.524326 / -104.524404)	06/07/16	10	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	1.41
SS-41 @ 8' (40.524286697 / -104.524353132)	06/08/16	8	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	1.59
SS-44 @ 8' (40.524329036 / -104.524466299)	06/08/16	8	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	1.44
SS-45 @ 10' (40.524313 / -104.524401)	06/08/16	10	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	21.2
SS-46 @ 8.5' (40.524276305 / -104.524421913)	06/08/16	8.5	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	1.67
SS-47 @ 3' (40.524242554 / -104.524447249)	06/08/16	3	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	2.07
SS-48 @ 10' (40.524355 / -104.524397)	06/08/16	10	<0.0020	<0.0050	<0.0050	<0.010	<0.010	<50	<50	22.2
COGCC = Colorado Oil and Gas Conservation Commission mg/kg = milligrams per kilogram NA = Not Analyzed TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics Values presented in bold typeface exceed their respective COGCC - Guidelines (Table 910-1). Values presented with a "<" symbol indicate concentrations were not observed above the laboratories reporting limit. Note: Arsenic is a naturally occurring element in certain Colorado soils, and therefore, a regulatory limit cannot be applied.										



ATTACHMENT A

Laboratory Analytical Reports

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

May 31, 2016

Martin Eckert III
Eagle Environmental Consulting
4101 Inca Street
Denver, CO 80211
RE: Dyer USX AB #35-13

Enclosed are the results of analyses for samples received by Summit Scientific on 05/27/16 14:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-01 @ 0-0.25'	1605260-01	Soil	05/27/16 10:20	05/27/16 14:45
SS-02 @ 0-0.25'	1605260-02	Soil	05/27/16 10:30	05/27/16 14:45
SS-03 @ 0-0.25'	1605260-03	Soil	05/27/16 10:35	05/27/16 14:45
SS-04 @ 0-0.25'	1605260-04	Soil	05/27/16 10:45	05/27/16 14:45
SS-05 @ 0-0.25'	1605260-05	Soil	05/27/16 10:50	05/27/16 14:45
SS-06 @ 0-0.25'	1605260-06	Soil	05/27/16 10:55	05/27/16 14:45
SS-07 @ 0-0.25'	1605260-07	Soil	05/27/16 11:55	05/27/16 14:45
SS-08 @ 0-0.25'	1605260-08	Soil	05/27/16 11:05	05/27/16 14:45
SS-09 @ 0.5-1'	1605260-09	Soil	05/27/16 11:30	05/27/16 14:45
SS-10 @ 0.5-1'	1605260-10	Soil	05/27/16 11:35	05/27/16 14:45
SS-11 @ 0.5-1'	1605260-11	Soil	05/27/16 11:40	05/27/16 14:45
SS-12 @ 0.25-0.5'	1605260-12	Soil	05/27/16 11:45	05/27/16 14:45
SS-13 @ 0.25-0.5'	1605260-13	Soil	05/27/16 11:50	05/27/16 14:45
SS-14 @ 0.25-0.5'	1605260-14	Soil	05/27/16 11:55	05/27/16 14:45
SS-15 @ 0.25-0.5'	1605260-15	Soil	05/27/16 12:00	05/27/16 14:45
SS-16 @ 0.25-0.5'	1605260-16	Soil	05/27/16 12:05	05/27/16 14:45

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

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S₂

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

1605260.1

Page 1 of 2

Client: Eagle Environmental Consulting, Inc. Project Manager: Martin Eckert III
Address: 4101 Inca Street E-Mail: mce3@eagle-env.co.com
City/State/Zip: Denver, CO, 80211
Phone: 303-433-0499 Fax: _____ Project Name: Dyer USX AB #35-13
Sampler Name: A. Newberry Project Number: _____

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Analysis Requested					Special Instructions	
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	C, BTEX - Benzene	Methyl Mercaptan - Benzene	TPH-DRO - Benzene		Asbestos - Asbestos
1	SS-01 @ 0-0.25'	5/27/16	1020	2			X			X			X	X	X		
2	SS-02 @ 0-0.25'		1030														
3	SS-03 @ 0-0.25'		1035														
4	SS-04 @ 0-0.25'		1045														
5	SS-05 @ 0-0.25'		1050														
6	SS-06 @ 0-0.25'		1055														
7	SS-07 @ 0-0.25'		1106														
8	SS-08 @ 0-0.25'		1105														
9	SS-09 @ 0.5-1'		1130														
10	SS-10 @ 0.5-1'		1135														

Relinquished by: <u>[Signature]</u>	Date/Time: <u>5/27/16 1445</u>	Received by: <u>[Signature]</u>	Date/Time: <u>5/27/16 14:45</u>	Turn Around Time (Check)	Notes:
Relinquished by: <u>[Signature]</u>	Date/Time: <u>5/27/16 1720</u>	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/> 72 hours —	Ⓜ Noble Bill to Jacob Evans
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours — Standard —	
Relinquished by:	Date/Time:	Received by:	Date/Time:	48 hours —	
				Sample Integrity:	
				Temperature Upon Receipt: <u>-3.4°C</u>	
				Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

Summit Scientific

S₂

1605260.2

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 2 of 2

Client: Eagle Environmental Consulting Project Manager: Martin Eckert III
Address: 4101 Inca Street E-Mail: mce3@eagle-enviro.com
City/State/Zip: Denver, CO, 80211
Phone: 303-433-0479 Fax: Project Name: Dyer USX AB #35-13
Sampler Name: A. Newberry Project Number: -

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested					Special Instructions
					HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	G, BTEX -2010	Mugh-Metals -2010	TPH, DRO -2015	As-Sm-Cr -2010	
1	SS-11 @ 0.5-1'	5/27/16	1140	2			X			X			X	X	X		
2	SS-17 @ 0.25-0.5'		1145														
3	SS-13 @ 0.25-0.5'		1150														
4	SS-14 @ 0.25-0.5'		1155														
5	SS-15 @ 0.25-0.5'		1200														
6	SS-16 @ 0.25-0.5'		1205														
7																	
8																	
9																	
10																	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>5/27/16 1445</u>	Received by: <u>[Signature]</u>		Date/Time: <u>5/27/16 14:45</u>	Turn Around Time (Check)		Same Day <input checked="" type="checkbox"/> 72 hours <input type="checkbox"/>		24 hours <input type="checkbox"/> Standard <input type="checkbox"/>		48 hours <input type="checkbox"/>		Notes: <u>ⓐ Noble</u>			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>5/27/16 1720</u>	Received by:		Date/Time:	Sample Integrity:		Temperature Upon Receipt: <u>-3.4°C</u>		Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No		Bill to Jacob Evans					

www.s2scientific.com



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-01 @ 0-0.25'
1605260-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/27/16	8015M	

Date Sampled: **05/27/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/27/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.36	0.231	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-01 @ 0-0.25'
1605260-01 (Soil)

Summit Scientific

Total Metals by EPA Method 6020 - Dry Weight Basis

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.7		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-02 @ 0-0.25'
1605260-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/27/16	8015M	

Date Sampled: **05/27/16 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/27/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.25	0.235	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-02 @ 0-0.25'
1605260-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.2		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-03 @ 0-0.25'
1605260-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/27/16	8015M	

Date Sampled: **05/27/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/27/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.58	0.236	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-03 @ 0-0.25'
1605260-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.9		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-04 @ 0-0.25'
1605260-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/27/16	8015M	

Date Sampled: **05/27/16 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/27/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.39	0.232	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-04 @ 0-0.25'
1605260-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.3		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13
Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-05 @ 0-0.25'
1605260-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/27/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.13	0.209	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-05 @ 0-0.25'
1605260-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.2		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-06 @ 0-0.25'
1605260-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		109 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/27/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.40	0.236	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-06 @ 0-0.25'
1605260-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.7		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-07 @ 0-0.25'
1605260-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		112 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/28/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.25	0.236	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-07 @ 0-0.25'
1605260-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.7		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-08 @ 0-0.25'
1605260-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		108 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/28/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.89	0.207	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-08 @ 0-0.25'
1605260-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.3		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-09 @ 0.5-1'
1605260-09 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	210	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		103 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/28/16	EPA 8260B	
Benzene	0.0042	0.0020	"	"	"	"	"	"	
Toluene	0.028	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.018	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.20	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.9 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.71	0.235	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-09 @ 0.5-1'
1605260-09 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.2		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-10 @ 0.5-1'
1605260-10 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1700	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		113 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	0.029	0.010	mg/kg	1	1605286	05/27/16	05/28/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	0.036	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.081	0.0050	"	"	"	"	"	"	
Xylenes (total)	1.7	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	4800	50	"	100	"	"	"	"	

Date Sampled: **05/27/16 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		157 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.54	0.206	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-10 @ 0.5-1'
1605260-10 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.1		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-11 @ 0.5-1'
1605260-11 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	6000	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		63.2 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	2.7	0.10	mg/kg	10	1605286	05/27/16	05/28/16	EPA 8260B	
Benzene	1.7	0.020	"	"	"	"	"	"	
Toluene	11	0.50	"	100	"	"	"	"	
Ethylbenzene	8.4	0.050	"	10	"	"	"	"	
Xylenes (total)	41	1.0	"	100	"	"	"	"	
Gasoline Range Hydrocarbons	8000	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.6 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		128 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.17	0.207	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-11 @ 0.5-1'
1605260-11 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.3		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13
Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-12 @ 0.25-0.5'
1605260-12 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		105 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/29/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.10	0.215	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-12 @ 0.25-0.5'
1605260-12 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.5		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-13 @ 0.25-0.5'
1605260-13 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		112 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/29/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.75	0.238	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-13 @ 0.25-0.5'
1605260-13 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.0		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13
Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-14 @ 0.25-0.5'
1605260-14 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		104 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/29/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.72	0.207	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-14 @ 0.25-0.5'
1605260-14 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.1		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-15 @ 0.25-0.5'
1605260-15 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/29/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.89	0.208	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-15 @ 0.25-0.5'
1605260-15 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.1		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

SS-16 @ 0.25-0.5'
1605260-16 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/27/16 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1605287	05/27/16	05/28/16	8015M	

Date Sampled: **05/27/16 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		103 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/27/16 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1605286	05/27/16	05/28/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	0.013	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0070	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.051	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **05/27/16 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.6 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **05/27/16 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	4.17	0.208	mg/kg dry	1	1605283	05/27/16	05/31/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

SS-16 @ 0.25-0.5'
1605260-16 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/27/16 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.0		%	1	1605288	05/30/16	05/30/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1605287 - EPA 3550A

Blank (1605287-BLK1)

Prepared & Analyzed: 05/27/16

C10-C28 (DRO)	ND	50	mg/kg							
<i>Surrogate: o-Terphenyl</i>	13.4		"	12.5		107	30-150			

LCS (1605287-BS1)

Prepared & Analyzed: 05/27/16

C10-C28 (DRO)	608	50	mg/kg	499		122	73-134			
<i>Surrogate: o-Terphenyl</i>	12.9		"	12.5		103	30-150			

Matrix Spike (1605287-MS1)

Source: 1605260-01

Prepared & Analyzed: 05/27/16

C10-C28 (DRO)	534	50	mg/kg	450	ND	119	50-148			
<i>Surrogate: o-Terphenyl</i>	12.0		"	11.3		106	30-150			

Matrix Spike Dup (1605287-MSD1)

Source: 1605260-01

Prepared & Analyzed: 05/27/16

C10-C28 (DRO)	514	50	mg/kg	450	ND	114	50-148	3.81	13	
<i>Surrogate: o-Terphenyl</i>	12.4		"	11.3		109	30-150			

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1605286 - EPA 5030 Soil MS

Blank (1605286-BLK1)

Prepared & Analyzed: 05/27/16

Naphthalene	ND	0.010	mg/kg							
Benzene	ND	0.0020	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0423</i>		<i>"</i>	<i>0.0400</i>		<i>106</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0392</i>		<i>"</i>	<i>0.0400</i>		<i>98.0</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0427</i>		<i>"</i>	<i>0.0400</i>		<i>107</i>	<i>21-167</i>			

LCS (1605286-BS1)

Prepared & Analyzed: 05/27/16

Naphthalene	ND	0.010	mg/kg				66-138			
Benzene	0.117	0.0020	"	0.100		117	58-130			
Toluene	0.127	0.0050	"	0.100		127	61-134			
Ethylbenzene	0.144	0.0050	"	0.0992		145	74-139			QM-07
m,p-Xylene	0.273	0.010	"	0.200		137	73-137			
o-Xylene	0.130	0.0050	"	0.0980		133	73-141			
Xylenes (total)	0.404	0.010	"				0-200			
Gasoline Range Hydrocarbons	5.96	0.50	"				30-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0412</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0403</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0396</i>		<i>"</i>	<i>0.0400</i>		<i>99.0</i>	<i>21-167</i>			

Matrix Spike (1605286-MS1)

Source: 1605260-01

Prepared & Analyzed: 05/27/16

Naphthalene	ND	0.010	mg/kg		ND		10-158			
Benzene	0.109	0.0020	"	0.0898	ND	121	30-131			
Toluene	0.117	0.0050	"	0.0898	ND	130	30-134			
Ethylbenzene	0.135	0.0050	"	0.0890	ND	151	22-153			
m,p-Xylene	0.257	0.010	"	0.179	ND	143	10-159			
o-Xylene	0.125	0.0050	"	0.0880	ND	142	31-151			
Xylenes (total)	0.381	0.010	"		ND		30-160			
Gasoline Range Hydrocarbons	5.71	0.50	"		ND		30-160			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0379</i>		<i>"</i>	<i>0.0359</i>		<i>105</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0354</i>		<i>"</i>	<i>0.0359</i>		<i>98.6</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0358</i>		<i>"</i>	<i>0.0359</i>		<i>99.8</i>	<i>21-167</i>			

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1605286 - EPA 5030 Soil MS

Matrix Spike Dup (1605286-MSD1)	Source: 1605260-01			Prepared & Analyzed: 05/27/16						
Naphthalene	ND	0.010	mg/kg	ND	ND	10-158			42	
Benzene	0.110	0.0020	"	0.0876	ND	126	30-131	1.26	34	
Toluene	0.116	0.0050	"	0.0876	ND	133	30-134	0.657	30	
Ethylbenzene	0.134	0.0050	"	0.0869	ND	155	22-153	0.189	24	QM-07
m,p-Xylene	0.256	0.010	"	0.175	ND	147	10-159	0.117	68	
o-Xylene	0.124	0.0050	"	0.0858	ND	144	31-151	0.750	38	
Xylenes (total)	0.380	0.010	"		ND		30-160	0.324	30	
Gasoline Range Hydrocarbons	5.64	0.50	"		ND		30-160	1.26	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0385</i>		<i>"</i>	<i>0.0350</i>		<i>110</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0350</i>		<i>"</i>	<i>0.0350</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0358</i>		<i>"</i>	<i>0.0350</i>		<i>102</i>	<i>21-167</i>			

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

Total Metals by EPA Method 6020 - Dry Weight Basis - Quality Control
Summit Scientific

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

Batch 1605283 - EPA 3050B

Blank (1605283-BLK1)

Prepared: 05/27/16 Analyzed: 05/31/16

Arsenic ND 0.200 mg/kg wet

LCS (1605283-BS1)

Prepared: 05/27/16 Analyzed: 05/31/16

Arsenic 51.9 0.200 mg/kg wet 52.8 98.2 82.6-117

Duplicate (1605283-DUP1)

Source: 1605189-05 Prepared: 05/27/16 Analyzed: 05/31/16

Arsenic 1.37 0.211 mg/kg dry 1.53 10.6 20

Matrix Spike (1605283-MS1)

Source: 1605189-05 Prepared: 05/27/16 Analyzed: 05/31/16

Arsenic 34.4 0.190 mg/kg dry 38.0 1.53 86.6 75-125

Matrix Spike Dup (1605283-MSD1)

Source: 1605189-05 Prepared: 05/27/16 Analyzed: 05/31/16

Arsenic 34.0 0.187 mg/kg dry 37.4 1.53 87.0 75-125 1.11 25

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 05/31/16 08:57

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
Summit Scientific

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

Batch 1605288 - General Preparation

Duplicate (1605288-DUP1)	Source: 1605260-01			Prepared & Analyzed: 05/30/16							
% Solids	94.7		%		86.7			8.84		20	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
05/31/16 08:57

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 07, 2016

Martin Eckert III
Eagle Environmental Consulting
4101 Inca Street
Denver, CO 80211
RE: Dyer USX AB #35-13

Enclosed are the results of analyses for samples received by Summit Scientific on 06/06/16 18:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', written in a cursive style.

Paul Shrewsbury
President



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS20@1.5'	1606048-01	Soil	06/06/16 13:45	06/06/16 18:45
SS21@1.5'	1606048-02	Soil	06/06/16 13:50	06/06/16 18:45
SS22@1.5'	1606048-03	Soil	06/06/16 13:55	06/06/16 18:45
SS26@7.5'	1606048-04	Soil	06/06/16 15:35	06/06/16 18:45
SS27@7.5'	1606048-05	Soil	06/06/16 15:37	06/06/16 18:45
SS28@7.5'	1606048-06	Soil	06/06/16 15:40	06/06/16 18:45
SS29@7.5'	1606048-07	Soil	06/06/16 15:42	06/06/16 18:45
SS30@10'	1606048-08	Soil	06/06/16 15:45	06/06/16 18:45

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

Summit Scientific 1606048

S₂

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: Eagle Environmental Consulting, Inc. Project Manager: Martin Eckert III
Address: 4101 Inca Street E-Mail: mce3@eagle-env.com
City/State/Zip: Denver, CO, 80211
Phone: 303-433-0479 Fax: _____ Project Name: Dyer USX AB #35-13
Sampler Name: A. Newberry Project Number: _____

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Special Instructions	
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	BTEX	B2MG	GRO	Asph/Fluore	-B2MG		DRO
1	SS-20 @ 1.5'	6/6/16	1345	2			X			X			X	X	X	X	X		
2	SS-21 @ 1.5'		1350																
3	SS-22 @ 1.5'		1355																
4	SS-26 @ 7.5'		1535																
5	SS-27 @ 7.5'		1537																
6	SS-28 @ 7.5'		1540																
7	SS-29 @ 7.5'		1542																
8	SS-30 @ 10'		1545																
9																			
10																			

Relinquished by: <u>[Signature]</u>	Date/Time: <u>6/6/16 16:45</u>	Received by: <u>[Signature]</u>	Date/Time: <u>6-6-16 16:45</u>	Turn Around Time (Check)	Notes:
Relinquished by: <u>[Signature]</u>	Date/Time: <u>6-6-16 18:45</u>	Received by: <u>[Signature]</u>	Date/Time: <u>6-6-16 18:45</u>	Same Day <input checked="" type="checkbox"/> 72 hours — 24 hours — Standard — 48 hours —	<input checked="" type="checkbox"/> Noble <input checked="" type="checkbox"/> Bill to level
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____	Sample Integrity: _____ Temperature Upon Receipt: <u>6.2</u> Intact: <input checked="" type="checkbox"/> Yes No	<input checked="" type="checkbox"/> Results reported @ earliest available 6/7/16 AM Thanks

www.s2scientific.com



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

Sample Receipt Checklist

S2 Work Order: 1606048

Client: Eagle Env. Client Project ID: Dyer USX AB #35-13

Shipped Via: H.D. onice Airbill #: _____
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Matrix (check all that apply): Air Soil/Solid Water Other: _____
(Describe)

Cooler ID					
Temp (°C)	<u>6.2</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C ⁽¹⁾ ?			X	
NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.				
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
If custody seals are present, are they intact ⁽¹⁾ ?			X	
Are short holding time analytes or samples with HTs due within 48 hours present?	X			
Is a chain-of-custody (COC) form 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 w/ date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			X	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			X	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			X	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			X	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

Muri Premer
 Custodian Printed Name

MSD 6-6-16
 Signature or initials of Custodian

18:45
 Date/Time



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

SS20@1.5'
1606048-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/06/16 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606048	06/06/16	06/06/16	8015M	

Date Sampled: **06/06/16 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		116 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/16 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	0.011	0.010	mg/kg	1	1606045	"	06/06/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	0.0052	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.026	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/06/16 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/06/16 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	4.54	0.223	mg/kg dry	1	1606052	06/07/16	06/07/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

SS20@1.5'
1606048-01 (Soil)

Summit Scientific

Total Metals by EPA Method 6020 - Dry Weight Basis

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/16 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.5		%	1	1606057	06/07/16	06/07/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

SS21@1.5'
1606048-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/06/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606048	06/06/16	06/06/16	8015M	

Date Sampled: **06/06/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		113 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606045	"	06/06/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/06/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		97.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.0 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/06/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.06	0.236	mg/kg dry	1	1606052	06/07/16	06/07/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

SS21@1.5'
1606048-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.8		%	1	1606057	06/07/16	06/07/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

SS22@1.5'
1606048-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/06/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606048	06/06/16	06/06/16	8015M	

Date Sampled: **06/06/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		113 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606045	"	06/06/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	0.0052	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/06/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		97.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/06/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.84	0.224	mg/kg dry	1	1606052	06/07/16	06/07/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

SS22@1.5'
1606048-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.2		%	1	1606057	06/07/16	06/07/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

SS26@7.5'
1606048-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/06/16 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	550	50	mg/kg	1	1606048	06/06/16	06/06/16	8015M	

Date Sampled: **06/06/16 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		101 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/16 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	0.19	0.010	mg/kg	1	1606045	"	06/07/16	EPA 8260B	
Benzene	0.34	0.0020	"	"	"	"	"	"	
Toluene	0.58	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.27	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.69	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/06/16 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		117 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.6 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		113 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/06/16 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.99	0.222	mg/kg dry	1	1606052	06/07/16	06/07/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

SS26@7.5'
1606048-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/16 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	80.9		%	1	1606057	06/07/16	06/07/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

SS27@7.5'
1606048-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 06/06/16 15:37

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	5600	50	mg/kg	1	1606048	06/06/16	06/06/16	8015M	

Date Sampled: 06/06/16 15:37

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		98.9 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 06/06/16 15:37

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	13	1.0	mg/kg	100	1606045	"	06/06/16	EPA 8260B	
Benzene	25	0.20	"	"	"	"	"	"	
Toluene	56	0.50	"	"	"	"	"	"	
Ethylbenzene	34	0.50	"	"	"	"	"	"	
Xylenes (total)	51	1.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	3400	50	"	"	"	"	"	"	

Date Sampled: 06/06/16 15:37

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		134 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: 06/06/16 15:37

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.78	0.255	mg/kg dry	1	1606052	06/07/16	06/07/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

SS27@7.5'
1606048-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/16 15:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	78.5		%	1	1606057	06/07/16	06/07/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

SS28@7.5'
1606048-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/06/16 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	250	50	mg/kg	1	1606048	06/06/16	06/06/16	8015M	

Date Sampled: **06/06/16 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		108 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/16 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	0.14	0.010	mg/kg	1	1606045	"	06/07/16	EPA 8260B	
Benzene	0.19	0.0020	"	"	"	"	"	"	
Toluene	0.50	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.21	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.80	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/06/16 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.6 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		117 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/06/16 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.58	0.219	mg/kg dry	1	1606052	06/07/16	06/07/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

SS28@7.5'
1606048-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/16 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	79.4		%	1	1606057	06/07/16	06/07/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

SS29@7.5'
1606048-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/06/16 15:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	710	50	mg/kg	1	1606048	06/06/16	06/06/16	8015M	

Date Sampled: **06/06/16 15:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		110 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/16 15:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	0.73	0.10	mg/kg	10	1606045	"	06/07/16	EPA 8260B	
Benzene	0.62	0.0020	"	1	"	"	"	"	
Toluene	4.0	0.050	"	10	"	"	06/06/16	"	
Ethylbenzene	0.43	0.0050	"	1	"	"	06/07/16	"	
Xylenes (total)	1.5	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	150	50	"	10	"	"	06/06/16	"	

Date Sampled: **06/06/16 15:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		133 %	23-173		"	"	06/07/16	"	
<i>Surrogate: Toluene-d8</i>		101 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.8 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/06/16 15:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.96	0.248	mg/kg dry	1	1606052	06/07/16	06/07/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

SS29@7.5'
1606048-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/16 15:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	80.5		%	1	1606057	06/07/16	06/07/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

SS30@10'
1606048-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/06/16 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606048	06/06/16	06/06/16	8015M	

Date Sampled: **06/06/16 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		111 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/16 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	0.048	0.010	mg/kg	1	1606045	"	06/06/16	EPA 8260B	
Benzene	0.022	0.0020	"	"	"	"	"	"	
Toluene	0.18	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.062	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.41	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/06/16 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/06/16 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	29.7	0.217	mg/kg dry	1	1606052	06/07/16	06/07/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

SS30@10'
1606048-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/16 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.8		%	1	1606057	06/07/16	06/07/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1606048 - EPA 3550A

Blank (1606048-BLK1)

Prepared & Analyzed: 06/06/16

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	14.5		"	12.5		116	30-150				

LCS (1606048-BS1)

Prepared & Analyzed: 06/06/16

C10-C28 (DRO)	609	50	mg/kg	499		122	73-134				
<i>Surrogate: o-Terphenyl</i>	5.37		"	12.5		43.0	30-150				

Matrix Spike (1606048-MS1)

Source: 1606038-02

Prepared & Analyzed: 06/06/16

C10-C28 (DRO)	646	50	mg/kg	476	51.4	125	50-148				
<i>Surrogate: o-Terphenyl</i>	15.3		"	11.9		128	30-150				

Matrix Spike Dup (1606048-MSD1)

Source: 1606038-02

Prepared & Analyzed: 06/06/16

C10-C28 (DRO)	674	50	mg/kg	481	51.4	130	50-148	4.24	13		
<i>Surrogate: o-Terphenyl</i>	15.5		"	12.0		129	30-150				

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1606045 - EPA 5030 Soil MS

Blank (1606045-BLK1)

Prepared & Analyzed: 06/06/16

Naphthalene	ND	0.010	mg/kg							
Benzene	ND	0.0020	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0364</i>		<i>"</i>	<i>0.0400</i>		<i>91.1</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0405</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0384</i>		<i>"</i>	<i>0.0400</i>		<i>96.1</i>	<i>21-167</i>			

LCS (1606045-BS1)

Prepared & Analyzed: 06/06/16

Naphthalene	ND	0.010	mg/kg				66-138			
Benzene	0.101	0.0020	"	0.100		101	58-130			
Toluene	0.114	0.0050	"	0.100		114	61-134			
Ethylbenzene	0.121	0.0050	"	0.0992		122	74-139			
m,p-Xylene	0.244	0.010	"	0.200		122	73-137			
o-Xylene	0.112	0.0050	"	0.0980		115	73-141			
Xylenes (total)	0.356	0.010	"				0-200			
Gasoline Range Hydrocarbons	1.85	0.50	"				30-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0376</i>		<i>"</i>	<i>0.0400</i>		<i>94.0</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0403</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0385</i>		<i>"</i>	<i>0.0400</i>		<i>96.3</i>	<i>21-167</i>			

Matrix Spike (1606045-MS1)

Source: 1606038-02

Prepared & Analyzed: 06/06/16

Naphthalene	ND	0.010	mg/kg		ND		10-158			
Benzene	0.0929	0.0020	"	0.0917	ND	101	30-131			
Toluene	0.106	0.0050	"	0.0917	ND	115	30-134			
Ethylbenzene	0.109	0.0050	"	0.0910	ND	119	22-153			
m,p-Xylene	0.223	0.010	"	0.183	ND	122	10-159			
o-Xylene	0.104	0.0050	"	0.0899	ND	115	31-151			
Xylenes (total)	0.326	0.010	"		ND		30-160			
Gasoline Range Hydrocarbons	1.71	0.50	"		ND		30-160			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0388</i>		<i>"</i>	<i>0.0367</i>		<i>106</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0367</i>		<i>"</i>	<i>0.0367</i>		<i>99.9</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0359</i>		<i>"</i>	<i>0.0367</i>		<i>98.0</i>	<i>21-167</i>			

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1606045 - EPA 5030 Soil MS

Matrix Spike Dup (1606045-MSD1)	Source: 1606038-02			Prepared & Analyzed: 06/06/16						
Naphthalene	ND	0.010	mg/kg	ND	ND	102	10-158			42
Benzene	0.0987	0.0020	"	0.0965	ND	102	30-131	6.02		34
Toluene	0.111	0.0050	"	0.0965	ND	114	30-134	4.56		30
Ethylbenzene	0.115	0.0050	"	0.0958	ND	120	22-153	6.09		24
m,p-Xylene	0.234	0.010	"	0.193	ND	121	10-159	4.83		68
o-Xylene	0.109	0.0050	"	0.0946	ND	116	31-151	5.40		38
Xylenes (total)	0.343	0.010	"		ND		30-160	5.01		30
Gasoline Range Hydrocarbons	1.76	0.50	"		ND		30-160	2.70		30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0394</i>		<i>"</i>	<i>0.0386</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0390</i>		<i>"</i>	<i>0.0386</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0380</i>		<i>"</i>	<i>0.0386</i>		<i>98.4</i>	<i>21-167</i>			

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

Total Metals by EPA Method 6020 - Dry Weight Basis - Quality Control
Summit Scientific

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

Batch 1606052 - EPA 3050B

Blank (1606052-BLK1)

Prepared & Analyzed: 06/07/16

Arsenic ND 0.200 mg/kg wet

LCS (1606052-BS1)

Prepared & Analyzed: 06/07/16

Arsenic 136 0.500 mg/kg wet 132 103 82.6-117

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/07/16 14:48

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
Summit Scientific

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

Batch 1606057 - General Preparation

Duplicate (1606057-DUP1)	Source: 1606048-01			Prepared & Analyzed: 06/07/16							
% Solids	89.9		%		89.5			0.442		20	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/07/16 14:48

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

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.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 08, 2016

Martin Eckert III
Eagle Environmental Consulting
4101 Inca Street
Denver, CO 80211
RE: Dyer USX AB #35-13

Enclosed are the results of analyses for samples received by Summit Scientific on 06/07/16 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-31@8'	1606064-01	Soil	06/07/16 12:30	06/07/16 16:30
SS-34@10'	1606064-02	Soil	06/07/16 12:40	06/07/16 16:30
SS-35@8'	1606064-03	Soil	06/07/16 13:20	06/07/16 16:30
SS-36@10'	1606064-04	Soil	06/07/16 13:25	06/07/16 16:30
SS-37@8'	1606064-05	Soil	06/07/16 13:45	06/07/16 16:30
SS-38@10'	1606064-06	Soil	06/07/16 14:00	06/07/16 16:30
SS-39@8'	1606064-07	Soil	06/07/16 15:15	06/07/16 16:30
SS-40@10'	1606064-08	Soil	06/07/16 15:20	06/07/16 16:30

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

Summit Scientific *16000004*

S₂

741 Corporate Circle, Suite J ♦ Golden, Colorado 80701
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: *Eagle Environmental Consulting, Inc.* Project Manager: *Martin Eckert III*
Address: *4101 Inca Street* E-Mail: *mce3@eagle-enviro.com*
City/State/Zip: *Denver, CO, 80211*
Phone: *303-433-0479* Fax: Project Name: *Dyer USX AB #35-13*
Sampler Name: *A. Newberry* Project Number: *-*

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions	
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	BTEX	GRU	Naphthalene	DRO	Asxinc	GC/MS		
1	SS-31 @ 8'	6/7/16	1230	2			X			X				X	X	X	X	X		
2	SS-34 @ 10'		1240																	
3	SS-35 @ 8'		1320																	
4	SS-36 @ 10'		1325																	
5	SS-37 @ 8'		1345																	
6	SS-38 @ 10'		1400																	
7	SS-39 @ 8'		1515																	
8	SS-40 @ 10'		1520																	
9																				
10																				

Relinquished by: <i>A. Newberry</i>	Date/Time: <i>6/7/16 14:30</i>	Received by: <i>NA</i>	Date/Time: <i>6-7-16 16:30</i>	Turn Around Time (Check)	Notes:
Relinquished by: <i>6-7-16</i>	Date/Time: <i>1920</i>	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/> 72 hours	<input checked="" type="checkbox"/> Noble
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours <input type="checkbox"/> Standard	<input checked="" type="checkbox"/> Bill to level
Relinquished by:	Date/Time:	Received by:	Date/Time:	48 hours <input type="checkbox"/>	<input checked="" type="checkbox"/> Results report earliest possible 6/8/16
				Sample Integrity:	
				Temperature Upon Receipt: <i>8.8</i>	
				Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>-Thanks</i>

www.s2scientific.com



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

Sample Receipt Checklist

S2 Work Order: 1606064

Client: Eagle Env. Client Project ID: Dyer USX AB #35-13

Shipped Via: H.D on ice Airbill #: _____
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Matrix (check all that apply): Air Soil/Solid Water Other: _____
(Describe)

Cooler ID					
Temp (°C)	<u>8.8</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.				
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form 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 w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Martin Pomeroy
 Custodian Printed Name

MP 6-7-16
 Signature or Initials of Custodian

19:25
 Date/Time



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

SS-31@8'
1606064-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/07/16 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606068	06/07/16	06/07/16	8015M	

Date Sampled: **06/07/16 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		94.8 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/16 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606067	06/07/16	06/07/16	EPA 8260B	
Benzene	0.0077	0.0020	"	"	"	"	"	"	
Toluene	0.033	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0089	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.051	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/07/16 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.2 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/07/16 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	ND	0.241	mg/kg dry	1	1606063	06/07/16	06/08/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

SS-31@8'
1606064-01 (Soil)

Summit Scientific

Total Metals by EPA Method 6020 - Dry Weight Basis

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/07/16 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.1		%	1	1606078	06/08/16	06/08/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

SS-34@10'
1606064-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/07/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606068	06/07/16	06/07/16	8015M	

Date Sampled: **06/07/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606067	06/07/16	06/07/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/07/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/07/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.611	0.238	mg/kg dry	1	1606063	06/07/16	06/08/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

SS-34@10'
1606064-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/07/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.9		%	1	1606078	06/08/16	06/08/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

SS-35@8'
1606064-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/07/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606068	06/07/16	06/07/16	8015M	

Date Sampled: **06/07/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		103 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606067	06/07/16	06/07/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/07/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/07/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.269	0.246	mg/kg dry	1	1606063	06/07/16	06/08/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

SS-35@8'
1606064-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/07/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.3		%	1	1606078	06/08/16	06/08/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

SS-36@10'
1606064-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/07/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606068	06/07/16	06/07/16	8015M	

Date Sampled: **06/07/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		105 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606067	06/07/16	06/07/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/07/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/07/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.267	0.203	mg/kg dry	1	1606063	06/07/16	06/08/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

SS-36@10'
1606064-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/07/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.5		%	1	1606078	06/08/16	06/08/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

SS-37@8'
1606064-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 06/07/16 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606068	06/07/16	06/07/16	8015M	

Date Sampled: 06/07/16 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 06/07/16 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606067	06/07/16	06/07/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: 06/07/16 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: 06/07/16 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.429	0.213	mg/kg dry	1	1606063	06/07/16	06/08/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

SS-37@8'
1606064-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/07/16 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.4		%	1	1606078	06/08/16	06/08/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

SS-38@10'
1606064-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/07/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606068	06/07/16	06/07/16	8015M	

Date Sampled: **06/07/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		103 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606067	06/07/16	06/07/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/07/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/07/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	5.39	0.239	mg/kg dry	1	1606063	06/07/16	06/08/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

SS-38@10'
1606064-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/07/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.7		%	1	1606078	06/08/16	06/08/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

SS-39@8'
1606064-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/07/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1000	50	mg/kg	1	1606068	06/07/16	06/07/16	8015M	

Date Sampled: **06/07/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		97.7 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	0.37	0.10	mg/kg	10	1606067	06/07/16	06/08/16	EPA 8260B	
Benzene	0.49	0.0020	"	1	"	"	"	"	
Toluene	0.75	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.40	0.0050	"	"	"	"	"	"	
Xylenes (total)	1.6	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	330	50	"	10	"	"	06/08/16	"	

Date Sampled: **06/07/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	23-173		"	"	06/08/16	"	
<i>Surrogate: Toluene-d8</i>		93.4 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		24.1 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/07/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.860	0.228	mg/kg dry	1	1606063	06/07/16	06/08/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

SS-39@8'
1606064-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/07/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.9		%	1	1606078	06/08/16	06/08/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

SS-40@10'
1606064-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/07/16 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606068	06/07/16	06/08/16	8015M	

Date Sampled: **06/07/16 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/16 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606067	06/07/16	06/07/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/07/16 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/07/16 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.41	0.238	mg/kg dry	1	1606063	06/07/16	06/08/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

SS-40@10'
1606064-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/07/16 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.9		%	1	1606078	06/08/16	06/08/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1606068 - EPA 3550A

Blank (1606068-BLK1)

Prepared & Analyzed: 06/07/16

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	14.6		"	12.5		117	30-150				

LCS (1606068-BS1)

Prepared & Analyzed: 06/07/16

C10-C28 (DRO)	621	50	mg/kg	499		124	73-134				
<i>Surrogate: o-Terphenyl</i>	5.64		"	12.5		45.1	30-150				

Matrix Spike (1606068-MS1)

Source: 1606064-01

Prepared & Analyzed: 06/07/16

C10-C28 (DRO)	621	50	mg/kg	499	31.3	118	50-148				
<i>Surrogate: o-Terphenyl</i>	5.88		"	12.5		47.1	30-150				

Matrix Spike Dup (1606068-MSD1)

Source: 1606064-01

Prepared & Analyzed: 06/07/16

C10-C28 (DRO)	605	50	mg/kg	499	31.3	115	50-148	2.52	13		
<i>Surrogate: o-Terphenyl</i>	5.80		"	12.5		46.4	30-150				

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1606067 - EPA 5030 Soil MS

Blank (1606067-BLK1)

Prepared: 06/07/16 Analyzed: 06/08/16

Naphthalene	ND	0.010	mg/kg							
Benzene	ND	0.0020	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0401</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0408</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0423</i>		<i>"</i>	<i>0.0400</i>		<i>106</i>	<i>21-167</i>			

LCS (1606067-BS1)

Prepared: 06/07/16 Analyzed: 06/08/16

Naphthalene	ND	0.010	mg/kg				66-138			
Benzene	0.119	0.0020	"	0.100		119	58-130			
Toluene	0.131	0.0050	"	0.100		131	61-134			
Ethylbenzene	0.137	0.0050	"	0.0992		138	74-139			
m,p-Xylene	0.250	0.010	"	0.200		125	73-137			
o-Xylene	0.136	0.0050	"	0.0980		138	73-141			
Xylenes (total)	0.417	0.010	"				0-200			
Gasoline Range Hydrocarbons	3.47	0.50	"				30-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0414</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0411</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.6</i>	<i>21-167</i>			

Matrix Spike (1606067-MS1)

Source: 1606064-01

Prepared: 06/07/16 Analyzed: 06/08/16

Naphthalene	0.00714	0.010	mg/kg		0.00672		10-158			
Benzene	0.126	0.0020	"	0.100	0.00771	118	30-131			
Toluene	0.162	0.0050	"	0.100	0.0332	129	30-134			
Ethylbenzene	0.132	0.0050	"	0.0992	0.00894	124	22-153			
m,p-Xylene	0.317	0.010	"	0.200	0.0331	142	10-159			
o-Xylene	0.159	0.0050	"	0.0980	0.0183	143	31-151			
Xylenes (total)	0.475	0.010	"		0.0514		30-160			
Gasoline Range Hydrocarbons	ND	0.50	"		2.45		30-160			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0427</i>		<i>"</i>	<i>0.0400</i>		<i>107</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0400</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0392</i>		<i>"</i>	<i>0.0400</i>		<i>97.9</i>	<i>21-167</i>			

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1606067 - EPA 5030 Soil MS

Matrix Spike Dup (1606067-MSD1)	Source: 1606064-01			Prepared: 06/07/16		Analyzed: 06/08/16				
Naphthalene	0.00927	0.010	mg/kg		0.00672		10-158	26.0	42	
Benzene	0.128	0.0020	"	0.100	0.00771	120	30-131	1.33	34	
Toluene	0.136	0.0050	"	0.100	0.0332	103	30-134	17.8	30	
Ethylbenzene	0.134	0.0050	"	0.0992	0.00894	126	22-153	1.10	24	
m,p-Xylene	0.326	0.010	"	0.200	0.0331	147	10-159	2.88	68	
o-Xylene	0.162	0.0050	"	0.0980	0.0183	147	31-151	2.15	38	
Xylenes (total)	0.488	0.010	"		0.0514		30-160	2.63	30	
Gasoline Range Hydrocarbons	ND	0.50	"		2.45		30-160		30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0430</i>		<i>"</i>	<i>0.0400</i>		<i>107</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0400</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0388</i>		<i>"</i>	<i>0.0400</i>		<i>97.0</i>	<i>21-167</i>			

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/08/16 14:27

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
Summit Scientific

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

Batch 1606078 - General Preparation

Duplicate (1606078-DUP1)	Source: 1606060-01			Prepared & Analyzed: 06/08/16							
% Solids	87.0		%		88.0			1.23		20	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/08/16 14:27

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

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.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 09, 2016

Martin Eckert III
Eagle Environmental Consulting
4101 Inca Street
Denver, CO 80211
RE: Dyer USX AB #35-13

Enclosed are the results of analyses for samples received by Summit Scientific on 06/08/16 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS41@8'	1606076-01	Soil	06/08/16 10:00	06/08/16 18:00
SS44@8'	1606076-02	Soil	06/08/16 10:10	06/08/16 18:00
SS45@10'	1606076-03	Soil	06/08/16 11:00	06/08/16 18:00
SS46@8.5'	1606076-04	Soil	06/08/16 11:05	06/08/16 18:00
SS47@3'	1606076-05	Soil	06/08/16 12:40	06/08/16 18:00
SS48@10'	1606076-06	Soil	06/08/16 12:45	06/08/16 18:00

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

Summit Scientific 1606076

S2

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: Eagle Env. Consulting, Inc. Project Manager: Martin Eckert III
Address: 4101 Inca Street E-Mail: mce3@eagle-enviro.com
City/State/Zip: Denver, CO, 80211
Phone: 303-733-0479 Fax: Project Name: Dyer USX AB #35-13
Sampler Name: A. Newberry Project Number: -

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested					Special Instructions	
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	BTEX - BGLD	GC - BGLD	Naphthalene	PCDD - BGLD		PCDF - BGLD
1	SS-41 @ 8'	6/8/16	1000	2			X			X			X	X	X	X		
2	SS-44 @ 8'		1010										X	X	X	X		
3	SS-45 @ 10'		1100										X	X	X	X		
4	SS-46 @ 8.5'		1105										X	X	X	X		
5	SS-47 @ 3'		1240										X	X	X	X		
6	SS-48 @ 10'		1245										X	X	X	X		
7																		
8																		
9																		
10																		

Relinquished by: <u>AN</u>	Date/Time: <u>6/8/16 1505</u>	Received by: <u>ME</u>	Date/Time: <u>6/8/16 1505</u>	Turn Around Time (Check)	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/> 72 hours	<input checked="" type="checkbox"/> Noble!
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours	<input checked="" type="checkbox"/> Bill to Paul
Relinquished by:	Date/Time:	Received by:	Date/Time:	48 hours	<input checked="" type="checkbox"/> Results marked
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity:	earliest possible 6/9/16
Relinquished by:	Date/Time:	Received by:	Date/Time:	Temperature Upon Receipt: <u>5.0°C</u>	on ice - Thanks
Relinquished by:	Date/Time:	Received by:	Date/Time:	Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

www.s2scientific.com



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/09/16 16:21

Sample Receipt Checklist

S2 Work Order: 1606076

Client: Eagle Env.

Client Project ID: Dyer USX AB #35-13

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

Airbill #: _____

Matrix (check all that apply): Air Soil/Solid Water Other: _____ (Describe)

Cooler ID					
Temp (°C)	<u>5.0</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C ⁽¹⁾ ?			✓	
NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.				
Were all samples received intact ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
If custody seals are present, are they intact ⁽¹⁾ ?			✓	
Are short holding time analytes or samples with HTs due within 48 hours present?			✓	
Is a chain-of-custody (COC) form 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 w/ date and time recorded ⁽¹⁾ ?	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			✓	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			✓	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			✓	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

Nakita
 Custodian Printed Name

MA
 Signature of Initials of Custodian

6/8/16 1830
 Date/Time



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

SS41@8'
1606076-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/08/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606081	06/08/16	06/08/16	8015M	

Date Sampled: **06/08/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		101 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/08/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606083	06/08/16	06/08/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/08/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		114 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.4 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/08/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.59	0.222	mg/kg dry	1	1606087	06/09/16	06/09/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/09/16 16:21

SS41@8'
1606076-01 (Soil)

Summit Scientific

Total Metals by EPA Method 6020 - Dry Weight Basis

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/08/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.1		%	1	1606088	06/09/16	06/09/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

SS44@8'
1606076-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/08/16 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606081	06/08/16	06/08/16	8015M	

Date Sampled: **06/08/16 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		101 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/08/16 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606083	06/08/16	06/08/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/08/16 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		114 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.9 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/08/16 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.44	0.223	mg/kg dry	1	1606087	06/09/16	06/09/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

SS44@8'
1606076-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/08/16 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.6		%	1	1606088	06/09/16	06/09/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

SS45@10'
1606076-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/08/16 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606081	06/08/16	06/08/16	8015M	

Date Sampled: **06/08/16 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		99.4 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/08/16 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606083	06/08/16	06/08/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/08/16 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		123 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/08/16 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	21.2	0.218	mg/kg dry	1	1606087	06/09/16	06/09/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/09/16 16:21

SS45@10'
1606076-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/08/16 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.7		%	1	1606088	06/09/16	06/09/16	% calculation	

Summit Scientific

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

SS46@8.5'
1606076-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/08/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606081	06/08/16	06/08/16	8015M	

Date Sampled: **06/08/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		98.3 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/08/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606083	06/08/16	06/08/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/08/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		117 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/08/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.67	0.210	mg/kg dry	1	1606087	06/09/16	06/09/16	EPA 6020A	

Summit Scientific

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/09/16 16:21

SS46@8.5'
1606076-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/08/16 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.9		%	1	1606088	06/09/16	06/09/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

SS47@3'
1606076-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/08/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606081	06/08/16	06/08/16	8015M	

Date Sampled: **06/08/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		98.4 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/08/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606083	06/08/16	06/08/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/08/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/08/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.07	0.223	mg/kg dry	1	1606087	06/09/16	06/09/16	EPA 6020A	

Summit Scientific

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



Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/09/16 16:21

SS47@3'
1606076-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/08/16 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.8		%	1	1606088	06/09/16	06/09/16	% calculation	

Summit Scientific

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



Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

SS48@10'
1606076-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/08/16 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606081	06/08/16	06/08/16	8015M	

Date Sampled: **06/08/16 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		99.8 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/08/16 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1606083	06/08/16	06/08/16	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/08/16 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		116 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.6 %	21-167		"	"	"	"	

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **06/08/16 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	22.2	0.241	mg/kg dry	1	1606087	06/09/16	06/09/16	EPA 6020A	

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Eagle Environmental Consulting
 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/09/16 16:21

SS48@10'
1606076-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/08/16 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.1		%	1	1606088	06/09/16	06/09/16	% calculation	

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Eagle Environmental Consulting
4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1606081 - EPA 3550A

Blank (1606081-BLK1)

Prepared & Analyzed: 06/08/16

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	12.4		"	12.5		98.8	30-150				

LCS (1606081-BS1)

Prepared: 06/08/16 Analyzed: 06/09/16

C10-C28 (DRO)	571	50	mg/kg	499		114	73-134				
<i>Surrogate: o-Terphenyl</i>	12.1		"	12.5		96.6	30-150				

Matrix Spike (1606081-MS1)

Source: 1606074-01

Prepared: 06/08/16 Analyzed: 06/09/16

C10-C28 (DRO)	680	50	mg/kg	490	140	110	50-148				
<i>Surrogate: o-Terphenyl</i>	5.38		"	12.3		43.8	30-150				

Matrix Spike Dup (1606081-MSD1)

Source: 1606074-01

Prepared: 06/08/16 Analyzed: 06/09/16

C10-C28 (DRO)	641	50	mg/kg	481	140	104	50-148	5.97	13		
<i>Surrogate: o-Terphenyl</i>	5.03		"	12.0		41.7	30-150				

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Project: Dyer USX AB #35-13
Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1606083 - EPA 5030 Soil MS

Blank (1606083-BLK1)

Prepared: 06/08/16 Analyzed: 06/09/16

Naphthalene	ND	0.010	mg/kg							
Benzene	ND	0.0020	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0411</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>		<i>23-173</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.4</i>		<i>20-170</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0395</i>		<i>"</i>	<i>0.0400</i>		<i>98.8</i>		<i>21-167</i>		

LCS (1606083-BS1)

Prepared: 06/08/16 Analyzed: 06/09/16

Naphthalene	ND	0.010	mg/kg					66-138		
Benzene	0.106	0.0020	"	0.100		106		58-130		
Toluene	0.124	0.0050	"	0.100		124		61-134		
Ethylbenzene	0.128	0.0050	"	0.0992		129		74-139		
m,p-Xylene	0.242	0.010	"	0.200		121		73-137		
o-Xylene	0.119	0.0050	"	0.0980		121		73-141		
Xylenes (total)	0.361	0.010	"					0-200		
Gasoline Range Hydrocarbons	ND	0.50	"					30-150		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0405</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>		<i>23-173</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0440</i>		<i>"</i>	<i>0.0400</i>		<i>110</i>		<i>20-170</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0399</i>		<i>"</i>	<i>0.0400</i>		<i>99.8</i>		<i>21-167</i>		

Matrix Spike (1606083-MS1)

Source: 1606076-01

Prepared: 06/08/16 Analyzed: 06/09/16

Naphthalene	ND	0.010	mg/kg		ND			10-158		
Benzene	0.107	0.0020	"	0.0940	ND	114		30-131		
Toluene	0.117	0.0050	"	0.0940	ND	125		30-134		
Ethylbenzene	0.133	0.0050	"	0.0932	ND	142		22-153		
m,p-Xylene	0.252	0.010	"	0.188	ND	134		10-159		
o-Xylene	0.123	0.0050	"	0.0921	ND	134		31-151		
Xylenes (total)	0.375	0.010	"		ND			30-160		
Gasoline Range Hydrocarbons	0.965	0.50	"		ND			30-160		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0414</i>		<i>"</i>	<i>0.0376</i>		<i>110</i>		<i>23-173</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0385</i>		<i>"</i>	<i>0.0376</i>		<i>102</i>		<i>20-170</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0378</i>		<i>"</i>	<i>0.0376</i>		<i>100</i>		<i>21-167</i>		

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 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/09/16 16:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1606083 - EPA 5030 Soil MS

Matrix Spike Dup (1606083-MSD1)	Source: 1606076-01			Prepared: 06/08/16		Analyzed: 06/09/16				
Naphthalene	ND	0.010	mg/kg		ND		10-158			42
Benzene	0.108	0.0020	"	0.0924	ND	117	30-131	0.719		34
Toluene	0.118	0.0050	"	0.0924	ND	128	30-134	0.366		30
Ethylbenzene	0.135	0.0050	"	0.0917	ND	148	22-153	2.10		24
m,p-Xylene	0.257	0.010	"	0.184	ND	139	10-159	2.16		68
o-Xylene	0.124	0.0050	"	0.0906	ND	137	31-151	0.719		38
Xylenes (total)	0.381	0.010	"		ND		30-160	1.69		30
Gasoline Range Hydrocarbons	1.61	0.50	"		ND		30-160	50.2		30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0397</i>		<i>"</i>	<i>0.0370</i>		<i>107</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0368</i>		<i>"</i>	<i>0.0370</i>		<i>99.6</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0363</i>		<i>"</i>	<i>0.0370</i>		<i>98.2</i>	<i>21-167</i>			

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 4101 Inca Street
 Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
 06/09/16 16:21

Total Metals by EPA Method 6020 - Dry Weight Basis - Quality Control
Summit Scientific

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

Batch 1606087 - EPA 3050B

Blank (1606087-BLK1)		Prepared & Analyzed: 06/09/16								
Arsenic	ND	0.200	mg/kg wet							
LCS (1606087-BS1)		Prepared & Analyzed: 06/09/16								
Arsenic	52.0	0.200	mg/kg wet	52.8		98.5	82.6-117			
Duplicate (1606087-DUP1)		Source: 1606079-01		Prepared & Analyzed: 06/09/16						
Arsenic	3.94	0.226	mg/kg dry		4.23			7.09	20	
Matrix Spike (1606087-MS1)		Source: 1606079-01		Prepared & Analyzed: 06/09/16						
Arsenic	41.2	0.206	mg/kg dry	41.1	4.23	90.0	75-125			
Matrix Spike Dup (1606087-MSD1)		Source: 1606079-01		Prepared & Analyzed: 06/09/16						
Arsenic	45.7	0.226	mg/kg dry	43.9	4.23	94.4	75-125	10.3	25	

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Project: Dyer USX AB #35-13

Project Number: [none]
 Project Manager: Martin Eckert III

Reported:
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Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
Summit Scientific

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

Batch 1606088 - General Preparation

Duplicate (1606088-DUP1)	Source: 1606079-01		Prepared & Analyzed: 06/09/16									
% Solids	89.4	%			88.4				1.17		20	

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4101 Inca Street
Denver CO, 80211

Project: Dyer USX AB #35-13

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
06/09/16 16:21

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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