District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141
Revised April 3, 2017

ubmit 1 Copy to appropriate District Office in

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

| | | | Rele | ease Notific | cation | n and Co | rrective A | ction | 1 | | | | |
|---|---|---|---|--|--------------------------------|--|--|--|--|---|--|-------|--|
| | | | | | | OPERA | ГOR | | Initia | al Report | Final I | Repor | |
| | | IR Operation | | 7412 | | | ny Archuleta | 5 (2(| 14 | | | | |
| Facility Na | | 6 Bloomfiel | d, NM 8 | 7412 | | Facility Typ | No. 505-632-34 | 76 x 20 |)1 | | | | |
| | | | | 150 | | racinty ryp | CON | | | | | | |
| Surface Ow | ner BLM | | | Mineral C |)wner | | | | | 3 0-039-2 | | | |
| | | | | | | N OF REI | | | | | 5-2671 | l | |
| Unit Letter G | Section 26 | Township 25N | Range 12W | Feet from the 2080' | North North | South Line | Feet from the 2310' | East/V East | Vest Line | County San Juan | | | |
| | | | Latitude | e_36.3737159_ | | Longitude_ OF REL | -108.07988 | _ NAI | 083 | OIL (| CONS. DIV D |)IST. | |
| Type of Rele | ase Storm | water / Oil | | NAI | UKE | | Release 3 bbls | | Volume I | Recovered | | | |
| Source of Re | | | | | | Date and H | lour of Occurrence | _ | Date and | Hour of Dis | | 7 | |
| Was Immedi | ate Notice (| Given? | | | | If YES, To | tween 5pm - 7:30 Whom? | DAM | 6-2-17 7: | 30 AM. | | | |
| | | | Yes | No Not Re | equired | | | | | | | | |
| By Whom? A | | | | | | | lour 6-2-17 2:32F | | | | | | |
| Was a Water | course Read | | Yes | No | | | lume Impacting t xed with rain wat | | ercourse. | | | | |
| traveled appr | oximately 1 | | he wash. | | | | onto the location. on the edges of the | | | | | he | |
| separator ar wash with sl to ensure the | d oil releas novels and e oil didn't | sed from the s buckets as to travel any fu | sight glass not distu rther dov | s holes. We immore the vegetation on the wash. | ediately a. We als | had a crew g so had Envir | valve and sight gl go out and clean otech on location | up the the the the | well pad an xt day to p | nd they con out oil pads | tinued down th and booms do | he | |
| transported environment soil was rem of it at those | to the Land tal compan oved and d land farms | d Farm. The sy come out the lelivered to He. The oil books. | smaller p nis week t EI's and E oms were | ortions of the acc o assess what we Envirotech's land removed and the | need to d farms. soil wa | ted oil on the do next, bef We removed s tested on 6- | well pad has be- vegetation is cor- ore testing. The d the contaminate- 20-17. All the te- ore do not feel it is | tinuing Locatio ion by l sts fall | to be clean n was excap bucket from under the | ned up. We wated and m the wash requirement | e will have an all contaminate and also dispo ats except test S | SS07; | |
| regulations a public health should their or or the environ | or the environment. In a | are required to ronment. The ave failed to a | o report ar acceptant adequately OCD accep | nd/or file certain rece of a C-141 report investigate and r | release nort by the remediate | otifications are NMOCD made contaminati | knowledge and und perform correct arked as "Final Roon that pose a three the operator of the correct arked as "Final Roon that pose a three the operator of the correct arked as "Final Room as "Final Room arked as "Final | tive acti eport" d eat to gr | ons for relations not relations not relations | eases which ieve the ope r, surface w | may endanger rator of liability ater, human hea | y | |
| Signature: | | | | | | | OIL CONS | SERV 1 | ATION | DIVISIO | <u>DN</u> | | |
| Printed Name | e: Amy Ar | chuleta | | | | Approved by | Environmental Sp | pecialis | Dar | 5 | 5 | - | |
| Title: Regul | atory Supe | rvisor | | | | Approval Dat | e: 11000 | 7 | Expiration | Date: | | | |
| E-mail Addre | ess: aarchu | ıleta@elmrid | ge.net | | | Conditions of | Approval: | | | Attached | | | |
| Date: 7-7-1 | | | | -3476 x201 | | | _ | | | | | | |
| * Attach Addi | tional Shee | ets If Necess | ary | | | NCS | 3/7/56 | 519 | 32 | | | | |



Legend

.

Soil Sample Location



Project Location: Sec 26 T25N R12W San Juan Cty

Cottonwood

Mapping by: H. Ertl, 6/29/17 Coordinate System: NAD 1983 UTM Zone 13 N SOIL SAMPLE LOCATION MAP WELL PAD HUNTER FOSTER #1 DJR OPERATING, LLC



All samples were 5-point composite samples with the exception of SS05 which was a single point sample.

Legend

Soil Sample Location



O & G Well

Project Location: Sec 26 T25N R12W, San Juan County, NM



Mapping by: H. Ertl, 6/29/17 Coordinate System: NAD 1983 UTM Zone 13 N SOIL SAMPLE LOCATION MAP **HUNTER FOSTER #1 DJR OPERATING, LLC**



TABLE 1 SOIL ANALYTICAL RESULTS HUNTER FOSTER #1 DJR OPERATING, LLC

| ANALYTE | SS01 | SS02 | SS03 | SS04 | SS05 | SS06 | SS07 | UNITS |
|---------------|---------|---------|---------|---------|---------|---------|---------|-----------|
| Chloride | 16.8 | < 10.4 | 10.2 | < 10.5 | 15.9 | NA | 113 | mg/kg dry |
| Benzene | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | mg/kg |
| Toluene | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | mg/kg |
| Ethylbenzene | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | mg/kg |
| Total Xylenes | < 0.150 | < 0.150 | < 0.150 | < 0.150 | < 0.150 | < 0.150 | < 0.150 | mg/kg |
| Total BTEX | < 0.300 | < 0.300 | < 0.300 | < 0.300 | < 0.300 | < 0.300 | < 0.300 | mg/kg |
| TPH (GRO) | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | mg/kg |
| TPH (DRO) | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | 43.1 | 78.5 | mg/kg |
| TPH (EXT DRO) | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 | 32.3 | mg/kg |

Notes:

Samples collected 6/20/17.

All samples were composite samples with the exception of SS05 which was a single point sample.

BTEX- Benzene, Toluene, Ethylbenzene, Total Xylenes

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT - Extended

NA- Not Analyzed



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Cottonwood Consulting

PO Box 1653

Durango CO, 81302

Project: BTEX/TPH, Cl

Project Name / Number: Hunter Foster #1

Project Manager: Jake Harter

Reported:

06/30/17 10:15

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SS01 | 1706187-01 | Solid | 06/20/17 10:50 | 06/20/17 15:00 |
| SS02 | 1706187-02 | Solid | 06/20/17 11:10 | 06/20/17 15:00 |
| SS03 | 1706187-03 | Solid | 06/20/17 11:30 | 06/20/17 15:00 |
| SS04 | 1706187-04 | Solid | 06/20/17 11:50 | 06/20/17 15:00 |
| SS05 | 1706187-05 | Solid | 06/20/17 12:10 | 06/20/17 15:00 |
| SS06 | 1706187-06 | Solid | 06/20/17 12:25 | 06/20/17 15:00 |
| SS07 | 1706187-07 | Solid | 06/20/17 12:30 | 06/20/17 15:00 |

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Project: BTEX/TPH, Cl

Project Name / Number: Hunter Foster #1

Project Manager: Jake Harter

Reported:

06/30/17 10:15

SS01

1706187-01 (Solid)

| Analyte , | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analys |
|---------------------------------------|-------------|-------|--------|-----------|----------|----------|---------------|-------|--------|
| General Chemistry | | | | | | | | | |
| % Dry Solids | 98.0 | | | % | 1 | 06/28/17 | EPA160.3/1684 | H2 | JDA |
| Soluble (DI Water Extraction) | | | | | | | | | |
| Chloride | 16.8 | 10.2 | 1.46 | mg/kg dry | 10 | 06/28/17 | EPA300.0 | | JDA |
| Subcontracted Cardinal Labor | atories | | | | | | | | |
| Volatile Organic Compounds by EPA | Method 8021 | | | | | | | | |
| Benzene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Toluene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Ethylbenzene* | < 0.050 | 0.050 | 0.004 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total Xylenes* | < 0.150 | 0.150 | 0.010 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total BTEX | <0.300 | 0.300 | 0.018 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Surrogate: 4-Bromofluorobenzene (P1D) | | | 100 % | 72-148 | | 06/26/17 | 8021B | | MS |
| Petroleum Hydrocarbons by GC FID | | _ | | | | | | | |
| GRO C6-C10 | <10.0 | 10.0 | 3.53 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| DRO >C10-C28 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctane | | | 95.6% | 28.3-164 | | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctadecane | | | 98.7 % | 34.7-157 | | 06/23/17 | 8015B | | MS |

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Durango CO, 81302

Project: BTEX/TPH, Cl

Project Name / Number: Hunter Foster #1

Project Manager: Jake Harter

Reported:

06/30/17 10:15

SS02

1706187-02 (Solid)

| | | | | | | | | • | |
|---------------------------------------|-------------|-------|--------|-----------|----------|----------|---------------|-------|--------|
| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analys |
| General Chemistry | | | | | | | | | |
| % Dry Solids | 96.0 | | | % | 1 | 06/28/17 | EPA160.3/1684 | H2 | JDA |
| Soluble (DI Water Extraction) | | | | | | | | | |
| Chloride | <10.4 | 10.4 | 1.49 | mg/kg dry | 10 | 06/28/17 | EPA300.0 | | JDA |
| Subcontracted - Cardinal Labor | atories | | | | | | | | |
| Volatile Organic Compounds by EPA | Method 8021 | | | | | | | | |
| Benzene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Toluene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Ethylbenzene* | <0.050 | 0.050 | 0.004 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total Xylenes* | < 0.150 | 0.150 | 0.010 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total BTEX | <0.300 | 0.300 | 0.018 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Surrogate: 4-Bromofluorobenzene (P1D) | | | 97.1 % | 72-148 | | 06/26/17 | 8021B | ٠ | MS |
| Petroleum Hydrocarbons by GC FID | | | | | | | | | |
| GRO C6-C10 | <10.0 | 10.0 | 3.53 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| DRO >C10-C28 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctane | | | 96.9 % | 28.3-164 | | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctadecane | | | 102 % | 34.7-157 | | 06/23/17 | 8015B | | MS |

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Project: BTEX/TPH, Cl

PO Box 1653

Project Name / Number: Hunter Foster #1

Reported:

Durango CO, 81302

Project Manager: Jake Harter

06/30/17 10:15

SS03

1706187-03 (Solid)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analys |
|---------------------------------------|-------------|-------|----------|-----------|----------|----------|---------------|-------|--------|
| General Chemistry | | | | | | | | | |
| % Dry Solids | 98.0 | | | % | 1 | 06/28/17 | EPA160.3/1684 | Н2 | JDA |
| Soluble (DI Water Extraction) | | | | | | | | | |
| Chloride | 10.2 | 10.2 | 1.46 | mg/kg dry | 10 | 06/28/17 | EPA300.0 | | JDA |
| Subcontracted - Cardinal Labor | atories | | | | | - | | | |
| Volatile Organic Compounds by EPA | Method 8021 | | | | | | | | |
| Benzene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Toluene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Ethylbenzene* | < 0.050 | 0.050 | 0.004 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total Xylenes* | < 0.150 | 0.150 | 0.010 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total BTEX | <0.300 | 0.300 | 0.018 | mg/kg | 50 | 06/26/17 | 8021B | | M\$ |
| Surrogate: 4-Bromofluorobenzene (P1D) | | | 98.0 % | 72-148 | | 06/26/17 | 8021B | | MS |
| Petroleum Hydrocarbons by GC FID | | | | | | | | | |
| GRO C6-C10 | <10.0 | 10.0 | 3.53 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| DRO >C10-C28 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctane | | | 93.6 % | 28.3-164 | | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctadecane | | | 95.3 % . | 34.7-157 | | 06/23/17 | 8015B | | MS |

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Project: BTEX/TPH, Cl

Project Name / Number: Hunter Foster #1

Project Manager: Jake Harter

Reported:

06/30/17 10:15

SS04 ·

1706187-04 (Solid)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analys |
|---------------------------------------|-------------|-------|--------|-----------|----------|----------|---------------|-------|--------|
| General Chemistry | | | | | | | | | |
| % Dry Solids | 95.0 | | | % | 1 | 06/28/17 | EPA160.3/1684 | Н2 | JDA |
| Soluble (DI Water Extraction) | | | | | | | | | |
| Chloride | <10.5 | 10.5 | 1.51 | mg/kg dry | 10 | 06/28/17 | EPA300.0 | | JDA |
| Subcontracted Cardinal Labor | atories | | | | | | | | |
| Volatile Organic Compounds by EPA | Method 8021 | | | | | | | | |
| Benzene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Toluene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Ethylbenzene* | < 0.050 | 0.050 | 0.004 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total Xylenes* | < 0.150 | 0.150 | 0.010 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total BTEX | <0.300 | 0.300 | 0.018 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Surrogate: 4-Bromofluorobenzene (P1D) | | | 100 % | 72-148 | | 06/26/17 | 8021B | | MS |
| Petroleum Hydrocarbons by GC FID | | | | | | | | | |
| GRO C6-C10 | <10.0 | 10.0 | 3.53 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| DRO >C10-C28 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctane | | | 88.7 % | 28.3-164 | | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctadecane | | | 88.8 % | 34.7-157 | | 06/23/17 | 8015B | | MS |

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Deldie Zufett

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Debbie Zufelt, Reports Manager

Page 6 of 14



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Cottonwood Consulting

PO Box 1653

Durango CO, 81302

Project: BTEX/TPH, Cl

Project Name / Number: Hunter Foster #1

Project Manager: Jake Harter

Reported:

06/30/17 10:15

SS05

1706187-05 (Solid)

| | | | | | | | | | |
|---------------------------------------|--------------|-------|--------|-----------|----------|----------|---------------|-------|--------|
| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analys |
| General Chemistry | | | | | | | <u>.</u> | | |
| % Dry Solids | 87.5 | | | % | 1 | 06/28/17 | EPA160.3/1684 | H2 | JDA |
| Soluble (DI Water Extraction) | | | | | | | | | |
| Chloride | 15.9 | 11.4 | 1.64 | mg/kg dry | 10 | 06/28/17 | EPA300.0 | | JDA |
| Subcontracted - Cardinal Labor | atories | | | | | | | | |
| <u> </u> | | | | | | | | | |
| Volatile Organic Compounds by EPA M | Viethod 8021 | | | | | | | | |
| Benzene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Toluene* | <0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Ethylbenzene* | <0:050 | 0.050 | 0.004 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total Xylenes* | < 0.150 | 0.150 | 0.010 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total BTEX | <0.300 | 0.300 | 0.018 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 98.7 % | 72-148 | | 06/26/17 | 8021B | | MS |
| Petroleum_Hydrocarbons by GC FID | | | | | | _ | | | |
| GRO C6-C10 | <10.0 | 10.0 | 3.53 | mg/kg | l | 06/23/17 | 8015B | | MS |
| DRO >C10-C28 | <10.0 | 10.0 | 2.04 | mg/kg | 1. | 06/23/17 | 8015B | | MS |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctane | | | 97.1% | 28.3-164 | | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctadecane | | | 99.7%. | 34.7-157 | | 06/23/17 | 8015B | | MS |

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Durango CO, 81302

Project: BTEX/TPH, Cl

Project Name / Number: Hunter Foster #1

Project Manager: Jake Harter

Reported:

06/30/17 10:15

SS06

1706187-06 (Solid)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------------------------------------|-------------|-------|--------|----------|----------|--------------|--------|-------|---------|
| Subcontracted - Cardinal Labora | atories | | | | | | | | |
| | | | | | | | | | |
| Volatile Organic Compounds by EPA N | 1ethod 8021 | | | | | | | | |
| Benzene* | < 0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Toluene* | < 0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Ethylbenzene* | < 0.050 | 0.050 | 0.004 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total Xylenes* | < 0.150 | 0.150 | 0.010 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total BTEX | <0.300 | 0.300 | 0.018 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 98.7 % | 72-148 | | 06/26/17 | 8021B | | MS |
| Petroleum Hydrocarbons by GC FID | | | | | | | | | |
| GRO C6-C10 | <10.0 | 10.0 | 3.53 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| DRO >C10-C28 | 43.1 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctane | | | 95.5 % | 28.3-164 | | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctadecane | | | 97.3 % | 34.7-157 | | 06/23/17 | 8015B | | MS |

Green Analytical Laboratories

Deldie Zufett



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Cottonwood Consulting

PO Box 1653

Durango CO, 81302

Project: BTEX/TPH, Cl

Project Name / Number: Hunter Foster #1

Project Manager: Jake Harter

Reported:

06/30/17 10:15

SS07

1706187-07 (Solid)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------------------------------------|-------------|-------|--------|-----------|----------|----------|---------------|-------|---------|
| General Chemistry | | | | | | | | | |
| % Dry Solids | 98.0 | | | % | 1 | 06/28/17 | EPA160.3/1684 | H2 | JDA |
| Soluble (DI Water Extraction) | | | | | | | | | |
| Chloride | 113 | 10.2 | 1.46 | mg/kg dry | 10 | 06/28/17 | EPA300.0 | | JDA |
| Subcontracted Cardinal Labor | atories | | | | | | | | |
| | | | | | | | | | |
| Volatile Organic Compounds by EPA | Method 8021 | | | | | | | | |
| Benzene* | < 0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Toluene* | < 0.050 | 0.050 | 0.002 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Ethylbenzene* | < 0.050 | 0.050 | 0.004 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total Xylenes* | < 0.150 | 0.150 | 0.010 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Total BTEX | < 0.300 | 0.300 | 0.018 | mg/kg | 50 | 06/26/17 | 8021B | | MS |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 100 % | 72-148 | | 06/26/17 | 8021B | | MS |
| Petroleum Hydrocarbons by GC FID | | | | | | | | | |
| GRO C6-C10 | <10.0 | 10.0 | 3.53 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| DRO >C10-C28 | 78.5 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| EXT DRO >C28-C36 | 32.3 | 10.0 | 2.04 | mg/kg | 1 | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctane | | | 71.8 % | 28.3-164 | | 06/23/17 | 8015B | | MS |
| Surrogate: 1-Chlorooctadecane | | | 73.6 % | 34.7-157 | | 06/23/17 | 8015B | | MS |

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%PEC

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PO Box 1653

Project Name / Number: Hunter Foster #1

Reported:

Durango CO, 81302

Project Manager: Jake Harter

06/30/17 10:15

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General Chemistry - Quality Control

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|--|--------|----------------|---------|--------------|-----------|-------------|--------|-----|-------|-------|
| Batch B706268 - General Prep - Wet Che | m | | | | | | | | | |
| | | | _ | | _ | | | | | |
| Duplicate (B706268-DUP1) | Sour | ce: 1706187-01 | Prepare | ed: 06/29/1° | 7 Analyze | d: 06/28/17 | | | | |

Soluble (DI Water Extraction) - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|--------------------|-----------|----------------|------------------|--------------|----------------|-------|--------------|-------|
| Batch B706232 - General Prep - Wet Chem | | | | | | | | | • | |
| Blank (B706232-BLK1) | | | Prepa | ared: 06/27/17 | 7 Analyze | ed: 06/28/17 | | | | |
| Chloride | ND | 10.0 | mg/kg wet | | | | | | - | |
| LCS (B706232-BS1) | | | Ртера | ared: 06/27/17 | 7 Analyze | ed: 06/28/17 | | | | |
| Chloride | 241 | 10.0 | mg/kg wet | 250 | | 96.3 | 85-115 | | | |
| LCS Dup (B706232-BSD1) | | | Ргера | ared: 06/27/17 | 7 Analyze | ed: 06/28/17 | | | | , |
| Chloride | 243 | 10.0 | mg/kg wet | 250 | | 97.1 | 85-115 | 0.798 | 20 | |

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Volatile Organic Compounds by EPA Method 8021 - Quality Control

| Алаlyte | | Reporting | Reporting | Spike | Source | | %REC | | RPD | | |
|---------------------------------------|-------------------------------|-----------|-----------|-------------|-------------|------|-----------------------|-------|-------|-------|--|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | |
| Batch 7062603 - Volatiles | | | | | | | | | | | |
| Blank (7062603-BLK1) | Prepared & Analyzed: 06/26/17 | | | | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | ND | | mg/kg | 0.0500 | | 98.1 | 72-148 | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | | |
| LCS (7062603-BS1) | | | Ртер | ared & Anal | yzed: 06/26 | 5/17 | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0494 | | mg/kg | 0.0500 | | 98.8 | 72-148 | | | | |
| Benzene | 2.21 | 0.050 | mg/kg | 2.00 | | 111 | 79.5-124 | | | | |
| Ethylbenzene | 2.09 | 0.050 | mg/kg | 2.00 | | 105 | 77.7-125 | | | | |
| Toluene | 2.00 | 0.050 | mg/kg | 2.00 | | 100 | 75.5-127 | | | | |
| Total Xylenes | 6.12 | 0.150 | mg/kg | 6.00 | | 102 | 70. 9 -124 | | | | |
| LCS Dup (7062603-BSD1) | Prepared & Analyzed: 06/26/17 | | | | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0495 | | mg/kg | 0.0500 | | 99.0 | 72-148 | | | | |
| Benzene | 2.22 | 0.050 | mg/kg | 2.00 | | 111 | 79.5-124 | 0.417 | 6.5 | | |
| Ethylbenzene | 2.12 | 0.050 | mg/kg | 2.00 | | 106 | 77.7-125 | 1.31 | 7.83 | | |
| Toluene | 2.03 | 0.050 | mg/kg | 2.00 | | 101 | 75.5-127 | 1.29 | 7.02 | | |
| Total Xylenes | 6.21 | 0.150 | mg/kg | 6.00 | | 104 | 70.9-124 | 1.46 | 7.78 | | |

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Project Manager: Jake Harter

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Petroleum Hydrocarbons by GC FID - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |
|---|---------------------------------------|--------------------|-------|----------------|------------------|------|----------------|--------|--------------|-------|--|
| Batch 7062210 - General Prep - Organics | | | | | | | | | | | |
| Blank (7062210-BLK1) | Prepared: 06/22/17 Analyzed: 06/23/17 | | | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 52.3 | | mg/kg | 50.0 | | 105 | 34.7-157 | - | | | |
| Surrogate: 1-Chlorooctane | 50.3 | | mg/kg | 50.0 | | 101 | 28.3-164 | | _ | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | | |
| EXT DRO >C28-C35 | ND | 10.0 | mg/kg | | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | | |
| Total TPH C6-C28 | ND | 10.0 | mg/kg | | | | | | | | |
| LCS (7062210-BS1) | Prepared: 06/22/17 Analyzed: 06/23/17 | | | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 54.0 | | mg/kg | 50.0 | | 108 | 34.7-157 | | | | |
| Surrogate: 1-Chlorooctane | 52.6 | | mg/kg | 50.0 | | 105 | 28.3-164 | | | | |
| DRO >C10-C28 | 221 | 10.0 | mg/kg | 200 | | 110 | 81.4-124 | | | | |
| GRO C6-C10 | 207 | 10.0 | mg/kg | 200 | | 103 | 76.6-119 | | | | |
| Total TPH C6-C28 | 428 | 10.0 | mg/kg | 400 | | 107 | 79.4-121 | | | | |
| LCS Dup (7062210-BSD1) | Prepared: 06/22/17 Analyzed: 06/23/17 | | | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 54.3 | | mg/kg | 50.0 | | 109 | 34.7-157 | | | | |
| Surrogate: 1-Chlorooctane | 52.8 | | mg/kg | 50.0 | | 106 | 28.3-164 | | | | |
| DRO >C10-C28 | 222 | 10.0 | mg/kg | 200 | | 111 | 81.4-124 | 0.480 | 9.83 | | |
| GRO C6-C10 | 207 | 10.0 | mg/kg | 200 | | 103 | 76.6-119 | 0.0508 | 7.94 | | |
| Total TPH C6-C28 | 429 | 10.0 | mg/kg | 400 | | 107 | 79.4-121 | 0.273 | 8.57 | | |

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Project Manager: Jake Harter

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Notes and Definitions

H2 Sample analysis performed past hold time specified by the method.

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

*Results reported on as received basis unless designated as dry.

RPD Relative Percent Difference

LCS Laboratory Control Sample (Blank Spike)

RL Report Limit

MDL Method Detection Limit

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