

| | | |
|---|---|---|
| <p><u>District I</u> 1625 N. French Dr., Hobbs, NM 88240</p> <p><u>District II</u> 811 S. First St., Artesia, NM 88210</p> <p><u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410</p> <p><u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505</p> | <p>State of New Mexico Energy Minerals and Natural Resources</p> <p>Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505</p> | <div style="background-color: #e0e0e0; padding: 5px; text-align: center;"> RECEIVED By JKeyes at 11:12 am, Mar 28, 2016 </div> <p style="text-align: right;">Form 141 Revised August 8, 2011</p> <p>Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.</p> |
|---|---|---|

Release Notification and Corrective Action

| OPERATOR | | Initial Report | Final Report |
|--|--|----------------------------|--------------|
| Name of Company Matador Resources Company | | Contact Catherine Green | |
| Address 500 N Main St Suite 1 Roswell NM 88201 | | Telephone No. 575-623-6601 | |
| Facility Name Federal AF 1 | | Facility Type Oil | |

| | | |
|---------------|-----------------------|----------------------|
| Surface Owner | Mineral Owner Federal | API No. 30-025-27406 |
|---------------|-----------------------|----------------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|--------------------|---------------------|-------|---------------|------------------|---------------|----------------|--------|
| K | 18 8 | 8 18S | 32E | 1980 | S | 1980 | W | Lea |


Latitude 32.7602425 Longitude -103.7907257

NATURE OF RELEASE

| | | |
|--|--|---|
| Type of Release Produced Water | Volume of Release 10 barrels | Volume Recovered 0 |
| Source of Release tank over flowed | Date and Hour of Occurrence March 26-27, 2016 | Date and Hour of Discovery March 27, 2016 11:00 am |
| Was Immediate Notice Given? <div style="text-align: right;">X Yes No Not Required</div> | If YES, To Whom? Larry Brigrance, foreman | |
| By Whom? Anthony Sanchez | Date and Hour March 27, 2016 11:30 | |
| Was a Watercourse Reached? <div style="text-align: right;">Yes X No</div> | If YES, Volume Impacting the Watercourse. | |
| If a Watercourse was Impacted, Describe Fully.* | | |
| Describe Cause of Problem and Remedial Action Taken.* | | |

Pumper miscalculated volume of water in tank. Did not call for water disposal truck in timely manner. Water spilled into containment. Remediation firm will collect soil samples, remove contaminated soil and replace.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | | |
|--|--|--|-----------------------------|
| Signature: Catherine Green | | OIL CONSERVATION DIVISION Approved by Environmental Specialist:  | |
| Printed Name: Catherine Green | | | |
| Title: Regulatory Analyst | | Approval Date: 03/28/2016 | Expiration Date: 05/28/2016 |
| E-mail Address: cgreen@matadorresources.com | | Conditions of Approval: | |
| Date: March 28, 2016 623-6601 | | Discrete site samples only. Delineate and remediate per NMOCD guidelines. | |
| Phone: 575- | | Attached 1RP 4225 | |

* Attach Additional Sheets If Necessary

nJXK1608840214
pJXK1608840286



2RP-4225

Investigation Summary and Work Plan

Federal AF #1

June 21, 2016

Introduction

This summary and work plan by Matador Resources details knowledge and plans for remediation of the Federal AF #1 spill between March 26 and 27, 2016. The Federal AF #1 is located in Section 8, Township 18S, Range 32E of Eddy County, NM. This is a federal lease. The geodetic position is 32°45.61455 N, 103°47.44354W. The release occurred between March 26 and 27, 2016. Approximately 10 barrels of fluid overflowed the produced water vessel. 0 barrels were recovered. The release was reported to the New Mexico Oil Conservation Division Artesia office on March 28, 2016. OCD issued remediation project (RP) number ~~2RP~~ 1RP-4225. Attachments include surveys, pictures, and map.

1RP

Setting

The setting is as follows:

- The surface elevation is approximately 3,756 feet above sea level.
- The topography is undulating sands with Kermit soils and dune land, along with Pyote and maljamar fine sands.
- Groundwater depth is unknown or not present according to records from the New Mexico Office of the State Engineer (OSE)
- No fresh water wells in the area. (See attached OSE water well reports)

Remediation Action

Collect soil samples at a minimum depth of 24 inches below surface near fire source to be analyzed by Cardinal Labs in Hobbs, NM. Upon return of results, determine whether or not soil needs to be remediated deeper than 24 inches below surface.



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW#### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|------------|-------------|--------------|
| CP 00814 | | | LE | 2 | 2 | 08 | 18S | 32E | | 614074 | 3626168* | 480 | | |

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

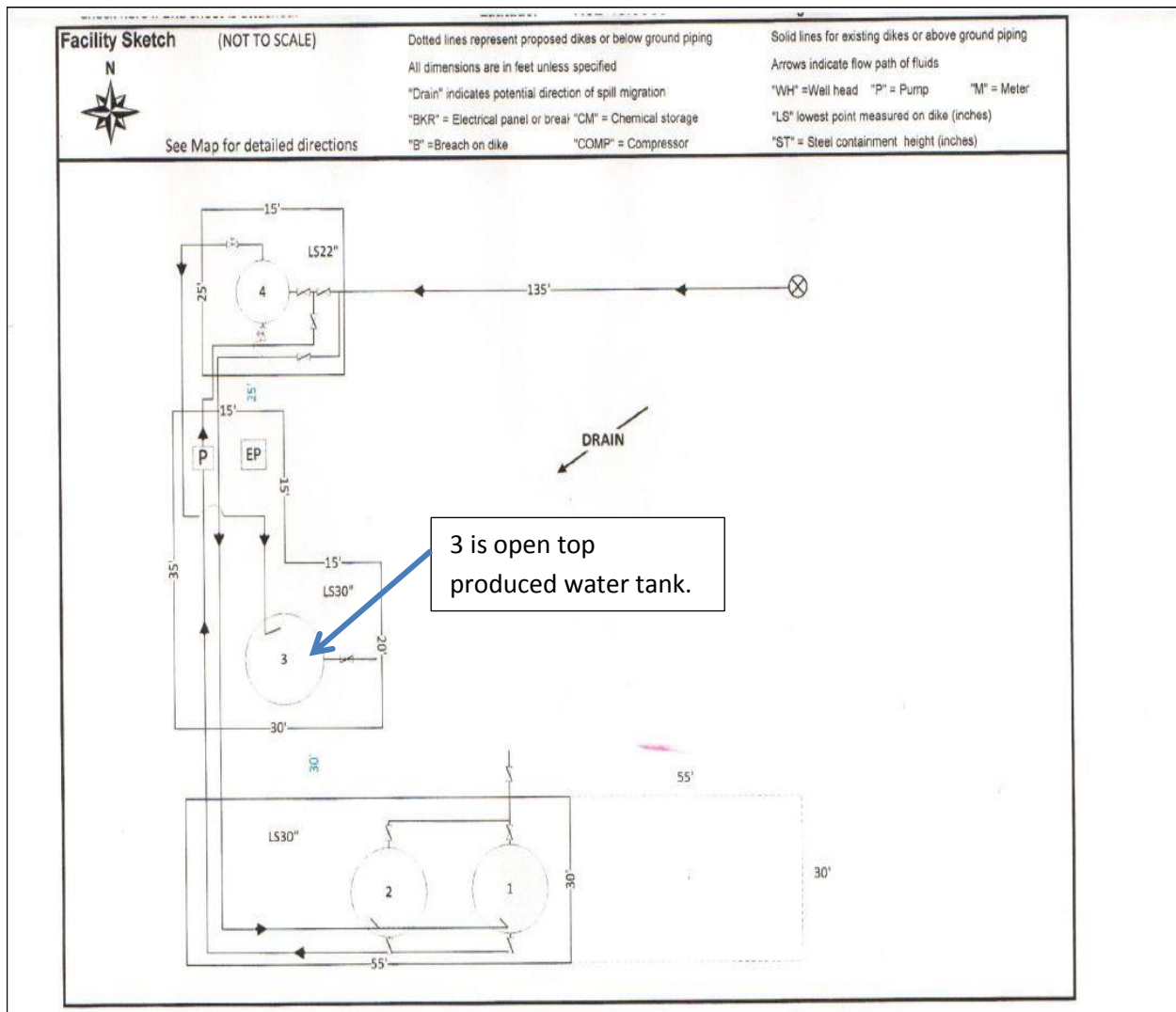
PLSS Search:

Section(s): 8

Township: 18S

Range: 32E

As can be seen above, one well has been drilled. However the depth of the well is 480 ft. This well was drilled in 1965 and water depth is blank.









Soil samples were collected as shown on the attached plat at the surface around the spill site.



The table depicting the results BTEX, TPH, and Chlorides is shown below.

| Analytical Report-1605A72 | Sample Number on Figure 2 Map | Sample Date | Depth | BTEX ppm | Benzene mg/Kg | GRO mg/Kg | DRO mg/Kg | Cl- mg/Kg |
|---------------------------|-------------------------------|-------------|-------|----------|---------------|-----------|-----------|-----------|
| 1605A72-001 | L1 | 5/19/2016 | 0.5' | BDL | BDL | BDL | BDL | 160 |
| 1605A72-002 | L1-1 | 5/19/2016 | 1' | N/A | N/A | N/A | N/A | 390 |
| 1605A72-003 | L1-2 | 5/19/2016 | 2' | N/A | N/A | N/A | N/A | BDL |
| 1605A72-004 | L1-3 | 5/19/2016 | 3' | N/A | N/A | N/A | N/A | 2500 |
| 1605A72-005 | L2 | 5/19/2016 | 0.5' | BDL | BDL | BDL | BDL | 580 |
| 1605A72-006 | L2-1 | 5/19/2016 | 1' | N/A | N/A | N/A | N/A | 45 |
| 1605A72-007 | L2-2 | 5/19/2016 | 2' | N/A | N/A | N/A | N/A | 2000 |
| 1605A72-008 | L2-3 | 5/19/2016 | 3' | N/A | N/A | N/A | N/A | N/A |
| 1605A72-009 | L2-4 | 5/19/2016 | 4' | N/A | N/A | N/A | N/A | 2300 |
| 1605A72-010 | L3 | 5/19/2016 | 0.5' | BDL | BDL | BDL | 250 | 8200 |
| 1605A72-011 | L3-1 | 5/19/2016 | 1' | N/A | N/A | N/A | N/A | 4600 |
| 1605A72-012 | L3-2 | 5/19/2016 | 2' | N/A | N/A | N/A | N/A | 1600 |
| 1605A72-013 | L3-3 | 5/19/2016 | 3' | N/A | N/A | N/A | N/A | 260 |
| 1605A72-014 | L3-4 | 5/19/2016 | 4' | N/A | N/A | N/A | N/A | 470 |

The results of the soil analysis are attached for further investigation. Matador proposes to remove up to 4 feet of contaminated soil and replace with top soil from a local vendor.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 27, 2016

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FEDERAL AF #1

Enclosed are the results of analyses for samples received by the laboratory on 04/21/16 8:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
JUSTIN ROBERTS
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

| | | | |
|-------------------|----------------|---------------------|---------------|
| Received: | 04/21/2016 | Sampling Date: | 04/20/2016 |
| Reported: | 04/27/2016 | Sampling Type: | Soil |
| Project Name: | FEDERAL AF # 1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NONE GIVEN | | |

Sample ID: SURFACE CONFIRMATION (H600867-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/22/2016 | ND | 2.03 | 101 | 2.00 | 0.809 | |
| Toluene* | <0.050 | 0.050 | 04/22/2016 | ND | 1.96 | 98.0 | 2.00 | 0.581 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/22/2016 | ND | 1.77 | 88.7 | 2.00 | 0.792 | |
| Total Xylenes* | <0.150 | 0.150 | 04/22/2016 | ND | 5.46 | 90.9 | 6.00 | 0.270 | |
| Total BTEX | <0.300 | 0.300 | 04/22/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 98.6 % 73.6-140

| Chloride, 5M4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 17800 | 16.0 | 04/26/2016 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/22/2016 | ND | 188 | 93.9 | 200 | 8.09 | |
| DRO >C10-C28 | 40.2 | 10.0 | 04/22/2016 | ND | 217 | 109 | 200 | 11.4 | |

Surrogate: 1-Chlorooctane 98.4 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 28-171

Analytical Results For:

 DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

| | | | |
|-------------------|----------------|---------------------|---------------|
| Received: | 04/21/2016 | Sampling Date: | 04/20/2016 |
| Reported: | 04/27/2016 | Sampling Type: | Soil |
| Project Name: | FEDERAL AF # 1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NONE GIVEN | | |

Sample ID: 2' BGS CONFIRMATION (H600867-02)

| BTEX 8021B | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | B5 | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/22/2016 | ND | 2.03 | 101 | 2.00 | 0.809 | |
| Toluene* | <0.050 | 0.050 | 04/22/2016 | ND | 1.96 | 98.0 | 2.00 | 0.581 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/22/2016 | ND | 1.77 | 88.7 | 2.00 | 0.792 | |
| Total Xylenes* | <0.150 | 0.150 | 04/22/2016 | ND | 5.46 | 90.9 | 6.00 | 0.270 | |
| Total BTEX | <0.300 | 0.300 | 04/22/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 96.6 % 73.6-140

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | B5 | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 720 | 16.0 | 04/26/2016 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|--------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | B5 | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/22/2016 | ND | 188 | 93.9 | 200 | 8.09 | |
| DRO >C10-C28 | 14.7 | 10.0 | 04/22/2016 | ND | 217 | 109 | 200 | 11.4 | |

Surrogate: 1-Chlorooctane 92.5 % 35-147

Surrogate: 1-Chlorooctadecane 111 % 28-171

Analytical Results For:

 DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 04/21/2016 | Sampling Date: | 04/20/2016 |
| Reported: | 04/27/2016 | Sampling Type: | Soil |
| Project Name: | FEDERAL AF #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NONE GIVEN | | |

Sample ID: 4' BGS CONFIRMATION (H600867-03)

| BTEX 80218 | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/22/2016 | ND | 2.03 | 101 | 2.00 | 0.809 | |
| Toluene* | <0.050 | 0.050 | 04/22/2016 | ND | 1.96 | 98.0 | 2.00 | 0.581 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/22/2016 | ND | 1.77 | 88.7 | 2.00 | 0.792 | |
| Total Xylenes* | <0.150 | 0.150 | 04/22/2016 | ND | 5.46 | 90.9 | 6.00 | 0.270 | |
| Total BTEX | <0.300 | 0.300 | 04/22/2016 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 96.2 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 04/26/2016 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/22/2016 | ND | 188 | 93.9 | 200 | 8.09 | |
| DRO >C10-C28 | 48.6 | 10.0 | 04/22/2016 | ND | 217 | 109 | 200 | 11.4 | |

Surrogate: 1-Chlorooctane 85.6 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

Notes and Definitions

| | |
|-------|---|
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

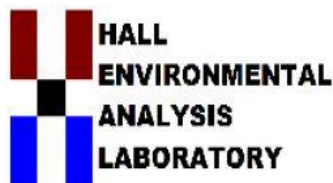


CHAIN-OF-CUSTODY

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

| | | | |
|---|--|--|--|
| Company Name: <u>Diamondback Disposal</u> | | P.O. #: | |
| Project Manager: <u>Justin Roberts</u> | | Company: | |
| Address: <u>P.O. Box 2491</u> | | Attn: | |
| City: <u>Hobbs</u> | | Address: | |
| Phone #: <u>575-392-9996</u> | | City: | |
| Project #: <u>N/A</u> | | State: | |
| Project Name: <u>Federal AF # 2</u> | | Zip: | |
| Project Location: <u>N/A</u> | | Phone #: | |
| Sample Name: <u>Justin Roberts</u> | | Fax #: | |
| FOR LAB USE ONLY | | PRESERV/ | |
| Lab I.D. | | SAMPLING | |
| Sample I.D. | | (G)RAB OR (C)OMP. | |
| 1 <u>HCC0567</u> | | # CONTAINERS | |
| 2 <u>Surface Contamination</u> | | GROUNDWATER | |
| 3 <u>2' Bas Contamination</u> | | WASTEWATER | |
| 4 <u>4' Bas Contamination</u> | | SOIL | |
| | | OIL | |
| | | SLUDGE | |
| | | OTHER : | |
| | | ACID/BASE: | |
| | | ICE / COOL: | |
| | | OTHER : | |
| | | DATE | |
| | | TIME | |
| | | TPH | |
| | | BTEX | |
| | | CI | |
| Relinquished By: <u>Justin Roberts</u> | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Date: <u>4-20-16</u> | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Time: <u>10:05</u> | | REMARKS: | |
| Delivered By: (Circle One) <u>-52</u> | | Sample Condition | |
| Sampler - UPS - Bus - Other: | | Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> | |
| | | No <input type="checkbox"/> Yes <input type="checkbox"/> | |
| CHECKED BY: <u>[Signature]</u> | | | |

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476
collected - 4.98 #54



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 02, 2016

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Fed AF 1

OrderNo.: 1605A72

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 14 sample(s) on 5/24/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L1-0.5**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-001**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 160 | 30 | | mg/Kg | 20 | 5/26/2016 4:47:26 PM | 25539 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/27/2016 10:48:22 PM | 25495 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/27/2016 10:48:22 PM | 25495 |
| Surr: DNOP | 102 | 70-130 | | %Rec | 1 | 5/27/2016 10:48:22 PM | 25495 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 5/25/2016 2:17:08 PM | 25461 |
| Surr: BFB | 121 | 80-120 | S | %Rec | 1 | 5/25/2016 2:17:08 PM | 25461 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Methyl tert-butyl ether (MTBE) | ND | 0.094 | | mg/Kg | 1 | 5/25/2016 2:17:08 PM | 25461 |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 5/25/2016 2:17:08 PM | 25461 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 5/25/2016 2:17:08 PM | 25461 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 5/25/2016 2:17:08 PM | 25461 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 5/25/2016 2:17:08 PM | 25461 |
| Surr: 4-Bromofluorobenzene | 114 | 80-120 | | %Rec | 1 | 5/25/2016 2:17:08 PM | 25461 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L1-1**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-002**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 390 | 30 | | mg/Kg | 20 | 5/31/2016 3:27:15 PM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L1-2**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-003**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|---------------|------------|-------------|--------------|-----------|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | ND | 30 | | mg/Kg | 20 | 5/31/2016 3:39:40 PM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L1-3**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-004**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|---------------|------------|-------------|--------------|-----------|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 2500 | 75 | | mg/Kg | 50 | 6/2/2016 4:21:13 AM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L2-0.5**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-005**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 580 | 30 | | mg/Kg | 20 | 5/31/2016 4:54:09 PM | 25583 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/27/2016 11:10:11 PM | 25495 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/27/2016 11:10:11 PM | 25495 |
| Surr: DNOP | 101 | 70-130 | | %Rec | 1 | 5/27/2016 11:10:11 PM | 25495 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 5/25/2016 2:40:37 PM | 25461 |
| Surr: BFB | 113 | 80-120 | | %Rec | 1 | 5/25/2016 2:40:37 PM | 25461 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Methyl tert-butyl ether (MTBE) | ND | 0.094 | | mg/Kg | 1 | 5/25/2016 2:40:37 PM | 25461 |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 5/25/2016 2:40:37 PM | 25461 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 5/25/2016 2:40:37 PM | 25461 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 5/25/2016 2:40:37 PM | 25461 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 5/25/2016 2:40:37 PM | 25461 |
| Surr: 4-Bromofluorobenzene | 113 | 80-120 | | %Rec | 1 | 5/25/2016 2:40:37 PM | 25461 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L1-1**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-006**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 45 | 30 | | mg/Kg | 20 | 5/31/2016 5:06:33 PM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L1-2**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-007**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|---------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 2000 | 75 | | mg/Kg | 50 | 8/2/2016 4:33:38 AM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L1-3**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-008**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | ND | 30 | | mg/Kg | 20 | 5/31/2016 5:31:23 PM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L2-4**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-009**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|---------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 2300 | 75 | | mg/Kg | 50 | 8/2/2016 4:46:03 AM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L3-0.5**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-010**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|-----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 8200 | 300 | | mg/Kg | 200 | 6/2/2016 4:58:27 AM | 25583 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 100 | 10 | | mg/Kg | 1 | 5/27/2016 11:31:47 PM | 25495 |
| Motor Oil Range Organics (MRO) | 150 | 50 | | mg/Kg | 1 | 5/27/2016 11:31:47 PM | 25495 |
| Surr: DNOP | 120 | 70-130 | | %Rec | 1 | 5/27/2016 11:31:47 PM | 25495 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/25/2016 3:04:08 PM | 25461 |
| Surr: BFB | 113 | 80-120 | | %Rec | 1 | 5/25/2016 3:04:08 PM | 25461 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Methyl tert-butyl ether (MTBE) | ND | 0.10 | | mg/Kg | 1 | 5/25/2016 3:04:08 PM | 25461 |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/25/2016 3:04:08 PM | 25461 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/25/2016 3:04:08 PM | 25461 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/25/2016 3:04:08 PM | 25461 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/25/2016 3:04:08 PM | 25461 |
| Surr: 4-Bromofluorobenzene | 115 | 80-120 | | %Rec | 1 | 5/25/2016 3:04:08 PM | 25461 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L3-1**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-011**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 4600 | 150 | | mg/Kg | 100 | 6/2/2016 5:10:52 AM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: L3-2

Project: Fed AF 1

Collection Date: 5/19/2016 3:00:00 PM

Lab ID: 1605A72-012

Matrix: SOIL

Received Date: 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|---------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 1600 | 75 | | mg/Kg | 50 | 6/2/2016 5:23:17 AM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: L3-3

Project: Fed AF 1

Collection Date: 5/19/2016 3:00:00 PM

Lab ID: 1605A72-013

Matrix: SOIL

Received Date: 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 260 | 30 | | mg/Kg | 20 | 5/31/2016 6:33:26 PM | 25583 |

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates**Client Sample ID:** L3-4**Project:** Fed AF 1**Collection Date:** 5/19/2016 3:00:00 PM**Lab ID:** 1605A72-014**Matrix:** SOIL**Received Date:** 5/24/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|---------------|------------|-------------|--------------|-----------|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | |
| Chloride | 470 | 30 | | mg/Kg | 20 | 5/31/2016 7:10:40 PM | 25583 |

Analyst: **LGT**

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO# 1605A72

02-Jun-16

Client: Souder, Miller & Associates

Project: Fed AF 1

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-25539 | SampType: | m blk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 25539 | RunNo: | 34533 | | | | | |
| Prep Date: | 5/26/2016 | Analysis Date: | 5/26/2016 | SeqNo: | 1065112 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25539 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 25539 | RunNo: | 34533 | | | | | |
| Prep Date: | 5/26/2016 | Analysis Date: | 5/26/2016 | SeqNo: | 1065113 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.0 | 90 | 110 | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-25583 | SampType: | m blk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 25583 | RunNo: | 34591 | | | | | |
| Prep Date: | 5/31/2016 | Analysis Date: | 5/31/2016 | SeqNo: | 1066733 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-25583 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 25583 | RunNo: | 34591 | | | | | |
| Prep Date: | 5/31/2016 | Analysis Date: | 5/31/2016 | SeqNo: | 1066734 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 91.2 | 90 | 110 | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605A72

02-Jun-16

Client: Souder, Miller & Associates

Project: Fed AF 1

| Sample ID: LCS-25495 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 25495 | RunNo: 34525 | | | | | | | | |
| Prep Date: 5/25/2016 | Analysis Date: 5/27/2016 | SeqNo: 1065528 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 47 | 10 | 50.00 | 0 | 94.8 | 62.6 | 124 | | | |
| Surr: DNOP | 4.4 | | 5.000 | | 87.4 | 70 | 130 | | | |

| | | | | | | | | | | |
|--------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: MB-25495 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
| Client ID: PBS | Batch ID: 25495 | RunNo: 34525 | | | | | | | | |
| Prep Date: 5/25/2016 | Analysis Date: 5/27/2016 | SeqNo: 1065529 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.6 | | 10.00 | | 95.8 | 70 | 130 | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605A72

02-Jun-16

Client: Souder, Miller & Associates

Project: Fed AF 1

| | | | | | | | | | | |
|--------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: MB-25461 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
| Client ID: PBS | Batch ID: 25461 | RunNo: 34464 | | | | | | | | |
| Prep Date: 5/24/2016 | Analysis Date: 5/25/2016 | SeqNo: 1063448 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | ND | 0.10 | | | | | | | | |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 114 | 80 | 120 | | | |

| | | | | | | | | | | |
|--------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: LCS-25461 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
| Client ID: LCSS | Batch ID: 25461 | RunNo: 34464 | | | | | | | | |
| Prep Date: 5/24/2016 | Analysis Date: 5/25/2016 | SeqNo: 1063449 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 1.1 | 0.10 | 1.000 | 0 | 111 | 61 | 143 | | | |
| Benzene | 1.1 | 0.025 | 1.000 | 0 | 106 | 75.3 | 123 | | | |
| Toluene | 1.1 | 0.050 | 1.000 | 0 | 106 | 80 | 124 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 103 | 82.8 | 121 | | | |
| Xylenes, Total | 3.1 | 0.10 | 3.000 | 0 | 103 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 1.000 | | 118 | 80 | 120 | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605A72

02-Jun-16

Client: Souder, Miller & Associates

Project: Fed AF 1

| | | | | | | | | | | | |
|-------------------------------|-----------|-----|----------------|-------------|------|-----------|----------------------------------|------|----------|-------|--|
| Sample ID | MB-25461 | | SampType: | MBLK | | TestCode: | EPA Method 8015D: Gasoline Range | | | | |
| Client ID: | PBS | | Batch ID: | 25461 | | RunNo: | 34464 | | | | |
| Prep Date: | 5/24/2016 | | Analysis Date: | 5/25/2016 | | SeqNo: | 1063427 | | Units: | mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | | |
| Surr: BFB | 1100 | | 1000 | | 110 | 80 | 120 | | | | |

| | | | | | | | | | | | |
|-------------------------------|-----------|-----|----------------|-------------|------|-----------|----------------------------------|------|----------|-------|--|
| Sample ID | LCS-25461 | | SampType: | LCS | | TestCode: | EPA Method 8015D: Gasoline Range | | | | |
| Client ID: | LCSS | | Batch ID: | 25461 | | RunNo: | 34464 | | | | |
| Prep Date: | 5/24/2016 | | Analysis Date: | 5/25/2016 | | SeqNo: | 1064053 | | Units: | mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Gasoline Range Organics (GRO) | 23 | 5.0 | 25.00 | 0 | 93.9 | 80 | 120 | | | | |
| Surr: BFB | 1200 | | 1000 | | 121 | 80 | 120 | | | S | |



**ENVIRONMENTAL
ANALYSIS
LABORATORY**

4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **SMA-CARLSBAD**

Work Order Number: **1605A72**

RcptNo: 1

Received by/date:

JA

05/24/16

Logged By: **Ashley Gallegos**

5/24/2016 9:40:00 AM

Ag

Completed By: **Ashley Gallegos**

5/24/2016 11:24:36 AM

Ag

Reviewed By:

JA

05/24/16

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐ # of preserved bottles checked for pH: ☐ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐ Adjusted? ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐ Checked by: ☐

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.6 | Good | Yes | | | |

Chain-of-Custody Record

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Fed AF #1

Project #:

Phone #:

Fax #:

Project Manager:

Austin West

Sampler: LCM

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.6-10CF=2.6

HEAL No. 11005A72

Container Type and #

Preservative Type

Date

Time

Matrix

Sample Request ID

1946 302

50.1

L1-05

1

2

3

L2-05

L1-1

L1-2

L1-3

L2-4

L3-05

1

2

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TMBs (6021)

BTEX + MTBE + TPH (Gas only)

TPH 8015B (GRO / DRO / MRO)

TPH (Method 418.1)

EDB (Method 504.1)

PAHs (8310 or 8270 SIMS)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCBs

8260B (VOA)

8270 (Semi-VOA)

Remarks:

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

Received by: [Signature] Date: 05/24/16 0940

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Carla M. Miller

Vailing Address: aple

Phone #:

Email or Fax#:

2400C Package:

☒ Standard

☐ Level 4 (Full Validation)

☐ Accreditation

☐ NELAP

☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler: Weyat

On loc: ☒ Yes ☐ No

Sample Temperature: 3.6-1.0C F=2.6

Container Type and #

Preservative Type

HEAL No.

1005A72

-013

-014

Date Time Matrix Sample Request ID

4/16/08 3:00 PM 501 L3-3

4/16/08 4:00 PM 502 L3-4

4/16/08 4:00 PM 503 L3-4

4/16/08 4:00 PM 504 L3-4

4/16/08 4:00 PM 505 L3-4

4/16/08 4:00 PM 506 L3-4

4/16/08 4:00 PM 507 L3-4

4/16/08 4:00 PM 508 L3-4

4/16/08 4:00 PM 509 L3-4

4/16/08 4:00 PM 510 L3-4

4/16/08 4:00 PM 511 L3-4

4/16/08 4:00 PM 512 L3-4

4/16/08 4:00 PM 513 L3-4

4/16/08 4:00 PM 514 L3-4

4/16/08 4:00 PM 515 L3-4

4/16/08 4:00 PM 516 L3-4

4/16/08 4:00 PM 517 L3-4

4/16/08 4:00 PM 518 L3-4

4/16/08 4:00 PM 519 L3-4

4/16/08 4:00 PM 520 L3-4

4/16/08 4:00 PM 521 L3-4

4/16/08 4:00 PM 522 L3-4

4/16/08 4:00 PM 523 L3-4

4/16/08 4:00 PM 524 L3-4

4/16/08 4:00 PM 525 L3-4

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4/16/08 4:00 PM 527 L3-4

4/16/08 4:00 PM 528 L3-4

4/16/08 4:00 PM 529 L3-4

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TMBs (8021)

BTEX + MTBE + TPH (Gas only)

TPH 8015B (GRO / DRO / MRO)

TPH (Method 418.1)

EDB (Method 504.1)

PAHs (8310 or 8270 SIMS)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCBs

8260B (VOA)

8270 (Semi-VOA)

Remarks:

Date Time

Received by: SP-1

Date Time

5/24/16 0800

Received by: SP-1

Date Time

05/24/16 0940

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.

