

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

SEP 02 2015

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office to
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | |
|---|-------------------------------------|
| Name of Company Burlington Resources Oil & Gas Company | Contact Crystal Tafoya |
| Address 3401 East 30th St, Farmington, NM | Telephone No. (505) 326-9837 |
| Facility Name: Cornell Com 500S | Facility Type: Gas Well |
| Surface Owner Fee | Mineral Owner Fee |
| API No. 30-045-33573 | |

LOCATION OF RELEASE

| | | | | | | | | |
|-------------------------|---------------------|------------------------|---------------------|-----------------------------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| Unit Letter P | Section 2 | Township 29N | Range 12W | Feet from the 665 | North/South Line South | Feet from the 1065 | East/West Line East | County San Juan |
|-------------------------|---------------------|------------------------|---------------------|-----------------------------|----------------------------------|------------------------------|-------------------------------|---------------------------|

Latitude 36.74947 Longitude -108.06229

NATURE OF RELEASE

| | | |
|--|---|---|
| Type of Release Produced Water | Volume of Release Unknown | Volume Recovered Unknown |
| Source of Release Below Grade Tank | Date and Hour of Occurrence Unknown | Date and Hour of Discovery February 7, 2013 |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

Below-Grade Tank Closure activities with samples taken resulting in constituents exceeded standards outlined by 19.15.17.13 NMAC.

Describe Area Affected and Cleanup Action Taken.*

NMOCD action levels for releases are specified in NMOCD's Guidelines for Leaks, Spills and Releases and the release was assigned a ranking score of 10. Samples were collected and analytical results are below applicable NMOCD action levels. No further work will be performed. The final report is attached for review.

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:  | OIL CONSERVATION DIVISION | |
| Printed Name: Crystal Tafoya | Approved by Environmental Specialist:  | |
| Title: Field Environmental Specialist | Approval Date: 9/4/15 | Expiration Date: |
| E-mail Address: crystal.tafoya@conocophillips.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 8/31/2015 Phone: (505) 326-9837 | | |

* Attach Additional Sheets If Necessary

#NCS 1524742721



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-403-3084

February 13, 2013

Crystal Tafoya
ConocoPhillips
San Juan Business Unit
Office 214-05
5525 Hwy 64
Farmington, New Mexico 87401

**RE: Below Grade Tank Closure Report
Cornell Com #500S
San Juan County, New Mexico**

Dear Ms. Tafoya:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) Cornell Com #500S, located in San Juan County, New Mexico. Tank removal had been completed by CoP contractors prior to AES' arrival at the location.

1.0 Site Information

1.1 Location

Site Name – Cornell Com #500S

Legal Description – SE¼ SE¼, Section 2, T29N, R12W, San Juan County, New Mexico

Well Latitude/Longitude – N36.74977 and W108.06316, respectively

BGT Latitude/Longitude – N36.74998 and W108.06313, respectively

Land Jurisdiction – Private

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, February 2013

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a C-144 form dated January 2007 for the Cornell Com #500S reported the depth to groundwater as greater than 100 feet below ground surface (bgs). The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the location. Additionally, Google Earth and the New Mexico Tech Petroleum Recovery

Research Center online mapping tool (<http://ford.nmt.edu/react/project.html>) were accessed to aid in the identification of downgradient surface water.

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was greater than 100 bgs. An unnamed wash is located approximately 900 feet south-southwest of the location and eventually drains to the San Juan River approximately 5.5 miles to the southwest. Based on this information, the location was assessed a ranking score of 10.

1.3 BGT Closure Assessment

AES was initially contacted by Jess Henson, CoP representative, on February 6, 2013, and on February 7, 2013, Heather Woods and Zachary Trujillo of AES mobilized to the location. AES personnel collected six soil samples from below the BGT liner. Four samples were collected from the perimeter of the BGT footprint, one sample was collected from the center of the BGT footprint, and one sample was composited from the four perimeter samples and one center sample.

2.0 Soil Sampling

On February 7, 2013, AES personnel conducted field screening and collected five soil samples (S-1 through S-5) and one 5-point composite (SC-1) from below the BGT. Soil samples were collected from approximately 0.5 feet below the former BGT for field screening of volatile organic compounds (VOCs) and total petroleum hydrocarbon (TPH). Soil sample SC-1 was field screened for chloride and was submitted for confirmation laboratory analysis. Soil sample locations are included on Figure 2.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

A portion of each sample was utilized for field screening of VOC vapors with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for TPH per USEPA Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical

protocol followed AES's *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1*.

2.1.3 Chlorides

Soil sample SC-1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company.

2.2 Laboratory Analyses

The composite soil sample SC-1 collected for laboratory analysis was placed into a new, clean, laboratory-supplied container, which was then labeled, placed on ice, and logged onto a sample chain of custody record. The sample was maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil sample SC-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- TPH as gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015B; and
- Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM ranged from 0.0 ppm in S-3 and S-5 up to 0.4 ppm in S-2. Field TPH concentrations ranged from less than 20.0 mg/kg in S-2, S-3, and S-5 up to 390 mg/kg in S-4. The field chloride concentration in SC-1 was 60 mg/kg. Field screening results are summarized in Table 1 and presented on Figure 2. The AES Field Screening Report is attached.

Table 1. Soil Field Screening VOCs, TPH, and Chloride Results
 Cornell Com #500S BGT Closure, February 2013

| <i>Sample ID</i> | <i>Date Sampled</i> | <i>Depth below BGT (ft)</i> | <i>VOCs OVM Reading (ppm)</i> | <i>Field TPH (mg/kg)</i> | <i>Field Chlorides (mg/kg)</i> |
|--|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------------|
| NMOCED Action Level (NMAC 19.15.17.13E) | | | -- | 100 | 250 |
| S-1 | 02/07/13 | 0.5 | 0.1 | 20.7 | NA |
| S-2 | 02/07/13 | 0.5 | 0.4 | <20.0 | NA |
| S-3 | 02/07/13 | 0.5 | 0.0 | <20.0 | NA |
| S-4 | 02/07/13 | 0.5 | 0.2 | 390 | NA |
| S-5 | 02/07/13 | 0.5 | 0.0 | <20.0 | NA |

| <i>Sample ID</i> | <i>Date Sampled</i> | <i>Depth below BGT (ft)</i> | <i>VOCs OVM Reading (ppm)</i> | <i>Field TPH (mg/kg)</i> | <i>Field Chlorides (mg/kg)</i> |
|---|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------------|
| NMOCD Action Level (NMAC 19.15.17.13E) | | | -- | 100 | 250 |
| SC-1 | 02/07/13 | 0.5 | NA | NA | 60 |

NA - not analyzed

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 as less than 0.050 mg/kg and 0.25 mg/kg, respectively. TPH concentrations were reported below the laboratory detection limits of 5.0 mg/kg GRO and 10 mg/kg DRO. The laboratory chloride concentration was reported as 140 mg/kg. Laboratory analytical results are summarized in Table 2 and included on Figure 2. Laboratory analytical reports are attached.

Table 2. Soil Laboratory Analytical Results
Cornell Com #500S BGT Closure, February 2013

| <i>Sample ID</i> | <i>Date Sampled</i> | <i>Depth (ft)</i> | <i>Benzene (mg/kg)</i> | <i>BTEX (mg/kg)</i> | <i>TPH-GRO (mg/kg)</i> | <i>TPH-DRO (mg/kg)</i> | <i>Chlorides (mg/kg)</i> |
|---|---------------------|-------------------|------------------------|---------------------|------------------------|------------------------|--------------------------|
| NMOCD Action Level (NMAC 19.15.17.13E) | | | 0.2 | 50 | 100 | | 250 |
| SC-1 | 02/07/13 | 0.5 | <0.050 | <0.25 | <5.0 | <10 | 140 |

3.0 Conclusions and Recommendations

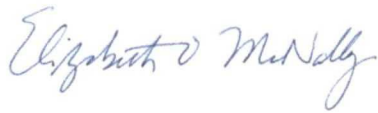
NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Field TPH concentrations exceeded the NMOCD action level of 100 mg/kg in one sample, S-4, with 390 mg/kg. However, laboratory analytical results for TPH (as GRO/DRO) in SC-1 were reported below the NMOCD action level of 100 mg/kg). Benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. Chloride concentrations in SC-1 were below the NMOCD action level of 250 mg/kg. Based on field screening and laboratory analytical results for benzene, total BTEX, TPH, and chlorides, no further work is recommended at the Cornell Com #500S.

If you have any questions about this report or site conditions, please do not hesitate to contact Deborah Watson at (505) 564-2281.

Sincerely,



Landrea Cupps
Environmental Scientist

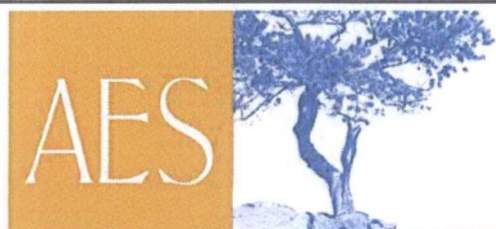


Elizabeth McNally, P.E.

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, February 2013
- AES Field Screening Report 020713
- Hall Analytical Report 1302300

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\Cornell Com #500S\Cornell Com #500S BGT Closure Report 021313.docx



Animas Environmental Services, LLC

DRAWN BY:

C. Lameman

DATE DRAWN:

February 7, 2013

REVISIONS BY:

C. Lameman

DATE REVISED:

February 7, 2013

CHECKED BY:

D. Watson

DATE CHECKED:

February 12, 2013

APPROVED BY:

E. McNally

DATE APPROVED:

February 12, 2013

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

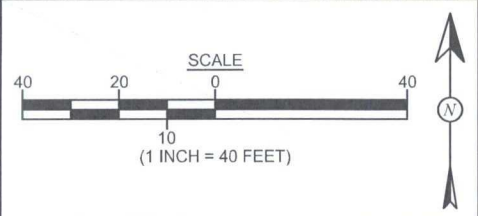
ConocoPhillips
CORNELL COM #500S
SE¼, SECTION 2, T29N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.74977, W108.06316

LEGEND

SAMPLE LOCATIONS

| Field Screening Results | | | | |
|--|--------|---------------|-------------|-------------------|
| Sample ID | Date | OVM-PID (ppm) | TPH (mg/kg) | Chlorides (mg/kg) |
| NMOCD ACTION LEVEL | | -- | 100 | 250 |
| S-1 | 2/7/13 | 0.1 | 20.7 | NA |
| S-2 | 2/7/13 | 0.4 | <20.0 | NA |
| S-3 | 2/7/13 | 0.0 | <20.0 | NA |
| S-4 | 2/7/13 | 0.2 | 390 | NA |
| S-5 | 2/7/13 | 0.0 | <20.0 | NA |
| SC-1 | 2/7/13 | NA | NA | 60 |
| SC-1 IS A 5-POINT COMPOSITE SAMPLE OF S-1 THROUGH S-5. NA - NOT ANALYZED | | | | |

| Laboratory Analytical Results | | | | | | |
|--|--------|-----------------|--------------------|-------------------|-------------------|-------------------|
| Sample ID | Date | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH - GRO (mg/kg) | TPH - DRO (mg/kg) | Chlorides (mg/kg) |
| NMOCD ACTION LEVEL | | 0.2 | 50 | 100 | | 250 |
| SC-1 | 2/7/13 | <0.050 | <0.25 | <5.0 | <10 | 140 |
| SAMPLE WAS ANALYZED PER EPA METHOD 8021B, 8015B AND 300.0. | | | | | | |



AERIAL SOURCE: © 2012 PICTOMETRY INTERNATIONAL CORP. ONLINE, AERIAL DATE: FEBRUARY 4, 2009

AES

Animas Environmental Services, LLC

| | |
|-----------------------------|-------------------------------------|
| DRAWN BY: C. Lameman | DATE DRAWN: February 7, 2013 |
| REVISIONS BY: C. Lameman | DATE REVISED: February 7, 2013 |
| CHECKED BY: D. Watson | DATE CHECKED: February 12, 2013 |
| APPROVED BY: E. McNally | DATE APPROVED: February 12, 2013 |

FIGURE 2

AERIAL SITE MAP

BELOW GRADE TANK CLOSURE

FEBRUARY 2013

ConocoPhillips

CORNELL COM #500S

SE¼ SE¼, SECTION 2, T29N, R12W

SAN JUAN COUNTY, NEW MEXICO

N36.74977, W108.06316

AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-403-3084

Client: ConocoPhillips

Project Location: Cornell Com #500S

Date: 2/7/2013

Matrix: Soil

| Sample ID | Collection Date | Time of Sample Collection | Sample Location | OVM (ppm) | Field Chloride (mg/kg) | Field TPH Analysis Time | Field TPH* (mg/kg) | TPH PQL (mg/kg) | DF | TPH Analysts Initials |
|-----------|-----------------|---------------------------|-----------------|-----------|------------------------|-------------------------|-----------------------|-----------------|----|-----------------------|
| S-1 | 2/7/2013 | 9:55 | North | 0.1 | NA | 10:38 | 20.7 | 20.0 | 1 | HMW |
| S-2 | 2/7/2013 | 9:58 | South | 0.4 | NA | 10:41 | <20.0 | 20.0 | 1 | HMW |
| S-3 | 2/7/2013 | 10:01 | East | 0.0 | NA | 10:43 | <20.0 | 20.0 | 1 | HMW |
| S-4 | 2/7/2013 | 10:03 | West | 0.2 | NA | 10:45 | 390 | 20.0 | 1 | HMW |
| S-5 | 2/7/2013 | 10:05 | Center | 0.0 | NA | 10:47 | <20.0 | 20.0 | 1 | HMW |
| SC-1 | 2/7/2013 | 10:08 | Composite | NA | 60 | NA | Not analyzed for TPH. | | | |

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

NA Not Analyzed

DF Dilution Factor

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Heather M. Woods



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

February 11, 2013

Debbie Watson

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4071
FAX

RE: CoP Cornell Com #500S

OrderNo.: 1302300

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/8/2013 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. 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. 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.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", with a stylized flourish at the end.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1302300

Date Reported: 2/11/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-1

Project: CoP Cornell Com #500S

Collection Date: 2/7/2013 10:08:00 AM

Lab ID: 1302300-001

Matrix: MEOH (SOIL)

Received Date: 2/8/2013 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015B: DIESEL RANGE ORGANICS | | | | | | Analyst: MMD |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 2/8/2013 11:35:26 AM |
| Surr: DNOP | 103 | 72.4-120 | | %REC | 1 | 2/8/2013 11:35:26 AM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 2/8/2013 12:19:11 PM |
| Surr: BFB | 105 | 84-116 | | %REC | 1 | 2/8/2013 12:19:11 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB |
| Benzene | ND | 0.050 | | mg/Kg | 1 | 2/8/2013 12:19:11 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 2/8/2013 12:19:11 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 2/8/2013 12:19:11 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 2/8/2013 12:19:11 PM |
| Surr: 4-Bromofluorobenzene | 107 | 80-120 | | %REC | 1 | 2/8/2013 12:19:11 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: JRR |
| Chloride | 140 | 30 | | mg/Kg | 20 | 2/8/2013 12:06:07 PM |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1302300

11-Feb-13

Client: Animas Environmental Services

Project: CoP Cornell Com #500S

| | | | | | | | | | | |
|------------|----------|-------------------------|-----------|-------------|------------------------------------|----------|--------------|------|----------|------|
| Sample ID | MB-6048 | SampType: MBLK | | | TestCode: EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: 6048 | | | RunNo: 8546 | | | | | |
| Prep Date: | 2/8/2013 | Analysis Date: 2/8/2013 | | | SeqNo: 245854 | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|----------|-------------------------|-----------|-------------|------------------------------------|----------|--------------|------|----------|------|
| Sample ID | LCS-6048 | SampType: LCS | | | TestCode: EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: 6048 | | | RunNo: 8546 | | | | | |
| Prep Date: | 2/8/2013 | Analysis Date: 2/8/2013 | | | SeqNo: 245855 | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 15 | 1.5 | 15.00 | 0 | 97.4 | 90 | 110 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1302300

11-Feb-13

Client: Animas Environmental Services

Project: CoP Cornell Com #500S

| | | | | | | | | | | |
|------------|----------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | 1302243-001AMS | SampType: | MS | TestCode: | EPA Method 8015B: Diesel Range Organics | | | | | |
| Client ID: | BatchQC | Batch ID: | 6019 | RunNo: | 8537 | | | | | |
| Prep Date: | 2/7/2013 | Analysis Date: | 2/8/2013 | SeqNo: | 245775 | Units: | %REC | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 5.0 | | 5.097 | | 98.5 | 72.4 | 120 | | | |

| | | | | | | | | | | |
|------------|-----------------|----------------|-----------|-------------|---|----------|-----------|------|----------|------|
| Sample ID | 1302243-001AMSD | SampType: | MSD | TestCode: | EPA Method 8015B: Diesel Range Organics | | | | | |
| Client ID: | BatchQC | Batch ID: | 6019 | RunNo: | 8537 | | | | | |
| Prep Date: | 2/7/2013 | Analysis Date: | 2/8/2013 | SeqNo: | 245776 | Units: | %REC | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 5.5 | | 4.850 | | 113 | 72.4 | 120 | 0 | 0 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1302300

11-Feb-13

Client: Animas Environmental Services

Project: CoP Cornell Com #500S

| | | | | | | | | | | |
|-------------------------------|----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-6013 | SampType: | MBLK | TestCode: | EPA Method 8015B: Gasoline Range | | | | | |
| Client ID: | PBS | Batch ID: | R8541 | RunNo: | 8541 | | | | | |
| Prep Date: | 2/6/2013 | Analysis Date: | 2/8/2013 | SeqNo: | 246237 | 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 | | 105 | 84 | 116 | | | |

| | | | | | | | | | | |
|-------------------------------|----------|----------------|-----------|-------------|----------------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-6013 | SampType: | LCS | TestCode: | EPA Method 8015B: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: | R8541 | RunNo: | 8541 | | | | | |
| Prep Date: | 2/6/2013 | Analysis Date: | 2/8/2013 | SeqNo: | 246242 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 28 | 5.0 | 25.00 | 0 | 110 | 74 | 117 | | | |
| Surr: BFB | 1100 | | 1000 | | 108 | 84 | 116 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH greater than 2

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1302300

11-Feb-13

Client: Animas Environmental Services

Project: CoP Cornell Com #500S

| | | | | | | | | | | |
|----------------------------|----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-6013 | SampType: | MBLK | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | PBS | Batch ID: | R8541 | RunNo: | 8541 | | | | | |
| Prep Date: | 2/6/2013 | Analysis Date: | 2/8/2013 | SeqNo: | 246298 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.050 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 106 | 80 | 120 | | | |

| | | | | | | | | | | |
|----------------------------|----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-6013 | SampType: | LCS | TestCode: | EPA Method 8021B: Volatiles | | | | | |
| Client ID: | LCSS | Batch ID: | R8541 | RunNo: | 8541 | | | | | |
| Prep Date: | 2/6/2013 | Analysis Date: | 2/8/2013 | SeqNo: | 246299 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.92 | 0.050 | 1.000 | 0 | 91.9 | 80 | 120 | | | |
| Toluene | 0.91 | 0.050 | 1.000 | 0 | 91.1 | 80 | 120 | | | |
| Ethylbenzene | 0.91 | 0.050 | 1.000 | 0 | 90.7 | 80 | 120 | | | |
| Xylenes, Total | 2.7 | 0.10 | 3.000 | 0 | 91.3 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 106 | 80 | 120 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1302300

Received by/date: AG 02/08/13

Logged By: Michelle Garcia 2/8/2013 9:50:00 AM

Michelle Garcia

Completed By: Michelle Garcia 2/8/2013 10:06:47 AM

Michelle Garcia

Reviewed By: IO 02/08/2013

Chain of Custody

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

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☒ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
6. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

17. 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: _____

18. Additional remarks:

19. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.0 | Good | Not Present | | | |

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

☐ Standard ☒ Rush Same Day

Col Cornell Com #5005

Project #:

Project Manager:

D. Watson

Sampler: H. Woods

On Ice: ☒ Yes ☐ No

Sample Temperature:

HEAL No

1362300

-001

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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


Analysis Request

| | |
|---|---|
| X | BTEX + MDEB + TBA's (8021) |
| | BTEX + MTBE + TPH (Gas only) |
| X | TPH 8015B (GRO / DRO / MTBE) |
| | TPH (Method 418.1) |
| | EDB (Method 504.1) |
| | PAH's (8310 or 8270 SIMS) |
| | RCRA 8 Metals |
| X | Anions (F₋ , NO ₃ , NO ₂ , PO ₄ , SO ₄) |
| | 8081 Pesticides / 8082 PCB's |
| | 8260B (VOA) |
| | 8270 (Semi-VOA) |
| | |
| | |
| | |
| | Air Rubbles (Y or N) |

| | | |
|--------|-------|------------------|
| Date: | Time: | Relinquished by: |
| 2/7/13 | 11:28 | Heather M. Woods |

| | | |
|--------|-------|------------------|
| Date: | Time: | Relinquished by: |
| 2/7/13 | 1725 | Maureen W. Baker |

| | | |
|------------------|--------|------|
| Received by: | Date | Time |
| Christine Walter | 2/7/13 | 1628 |

Received by:  Date: 02/08/13 Time: 094

Remarks: Bill to Conner Phillips

WD: 10344122
Activity: C200
Super: Harry Dee
User: KGARCIA

Work ordered by: Jess Henson
Area: 3