

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

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 <b>Burlington Resources Oil &amp; Gas Company</b>	Contact <b>Crystal Tafoya</b>
Address <b>3401 East 30<sup>th</sup> St, Farmington, NM</b>	Telephone No. <b>(505) 326-9837</b>
Facility Name: <b>Albright 8</b>	Facility Type: <b>Gas Well</b>
Surface Owner <b>BLM</b>	Mineral Owner <b>BLM (SF-077865)</b>
API No. <b>30-045-11833</b>	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>L</b>	<b>15</b>	<b>29N</b>	<b>10W</b>	<b>1850</b>	<b>South</b>	<b>990</b>	<b>West</b>	<b>San Juan</b>

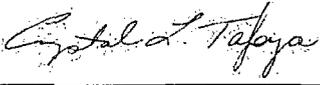
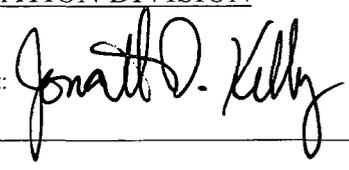
Latitude 36.72427 Longitude -107.87764

**NATURE OF RELEASE**

Type of Release <b>Produced Fluids</b>	Volume of Release <b>Unknown</b>	Volume Recovered <b>303 cu. yds</b>
Source of Release <b>Production Tank</b>	Date and Hour of Occurrence <b>Unknown</b>	Date and Hour of Discovery <b>April 8, 2014</b>
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.* <b>N/A</b>		
Describe Cause of Problem and Remedial Action Taken.* <b>Production Tank Re-set Activities</b>		
Describe Area Affected and Cleanup Action Taken.* <b>Historical hydrocarbon impacted soil was found during the production tank re-set activities for the subject well. The excavation was 21' x 26' x 15' and 303 yds of soil was transported to IEI landfarm and 303 yds of clean soil was transported from Aztec Machine and placed in the excavation site. The soil sampling report is attached for review.</b>		

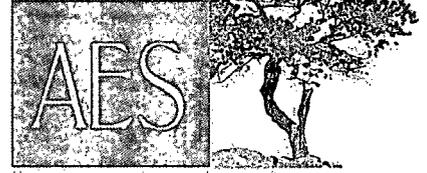
**OIL CONS. DIV DIST. 3**  
**JUL 18 2014**

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Crystal Tafoya</b>	Approved by Environmental Specialist: 	
Title: <b>Field Environmental Specialist</b>	Approval Date: <b>9/5/2014</b>	Expiration Date:
E-mail Address: <b>crystal.tafoya@conocophillips.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>7/16/2014</b>	Phone: <b>(505) 326-9837</b>	

\* Attach Additional Sheets If Necessary

**nJK1424838229**



Animas Environmental Services, LLC

[www.animasenvironmental.com](http://www.animasenvironmental.com)

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

Durango, Colorado  
970-403-3084

July 11, 2014

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

*Via electronic mail to:*

[SJBUE-Team@ConocoPhillips.com](mailto:SJBUE-Team@ConocoPhillips.com)

**RE: Initial Release Assessment and Final Excavation Report  
Albright #8  
San Juan County, New Mexico**

Dear Ms. Tafoya:

On April 8 and June 4, 2014, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) Albright #8, located in San Juan County, New Mexico. The release consisted of an unknown quantity of petroleum hydrocarbons from a leaking below grade tank (BGT) at the location. The initial release assessment was completed by AES on April 8, 2014, and the final excavation was completed by CoP contractors prior to AES' arrival at the location on June 4, 2014.

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## 1.0 Site Information

### 1.1 Location

Site Name – Albright #8

Location – NW¼ SW¼, Section 15, T29N, R10W, San Juan County, New Mexico

Well Head Latitude/Longitude – N36.72435 and W107.87800, respectively

Release Location Latitude/Longitude – N36.72470 and W107.87818, respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, April 2014

## 1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 10 based on the following factors:

- **Depth to Groundwater:** Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be greater than 100 feet below ground surface (bgs). (0 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** Approximately 660 feet to the south is an unnamed wash that ultimately discharges to the San Juan River. (10 points)

## 1.3 Assessment

AES was initially contacted by Lisa Hunter of CoP on April 8, 2014, and on the same day, Stephanie Lynn and Corwin Lameman of AES completed the release assessment field work. The assessment included collection and field sampling of 13 soil samples from 6 assessment trenches in and around the release area. Assessment trenches were terminated between depths of 5 and 12 feet. Based on the field sampling results, AES recommended further excavation of the release area. Sample locations are shown on Figure 3.

On June 4, 2014, AES returned to the location to collect confirmation soil samples of the excavation. The field sampling activities included collection of five confirmation soil samples from the walls and base of the excavation. The area of the final excavation measured approximately 21 feet by 26 feet by 15 feet in depth. Sample locations and final excavation extents are presented on Figure 4.

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## 2.0 Soil Sampling

A total of 13 soil samples from 6 assessment trenches (TH-1 through TH-6) and 5 composite samples (SC-1 through SC-5) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). One sample (TH-1) collected during the release assessment and five composite samples (SC-1 through SC-5) collected during the excavation clearance were submitted for confirmation laboratory analysis.

## 2.1 Field Sampling

### 2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted 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

Field TPH samples were analyzed per U.S. Environmental Protection Agency (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*.

## 2.2 Laboratory Analyses

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

- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D.

In addition, soil sample SC-5 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B.

## 2.3 Field and Laboratory Analytical Results

On April 8, 2014, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.5 ppm in TH-4 up to 4,350 ppm in TH-1. Field TPH concentrations ranged from 26.7 mg/kg in TH-6 up to 2,300 mg/kg in TH-1.

On June 4, 2014, final excavation field screening results for VOCs via OVM ranged from 3.6 ppm in SC-3 up to 703 ppm in SC-5. Field TPH concentrations ranged from 42.0 mg/kg in SC-1 up to 365 mg/kg in SC-5. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Sampling Reports are attached.

Table 1. Field Sampling VOCs and TPH Results  
 Albright #8 Initial Release Assessment and Final Excavation  
 April and June, 2014

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>TPH 418.1 (mg/kg)</i>
<i>NMOCD Action Level*</i>			100	1,000
TH-1	4/8/14	6	3,768	2,240
		8	3,966	NA
		12	4,350	2,300
TH-2	4/8/14	1 to 5	9.7	NA
		7.5	52.1	35.7
TH-3	4/8/14	1 to 5	1,200	NA
TH-4	4/8/14	1 to 6.5	6.5	31.9
		7	5.0	NA
		8	0.5	NA
TH-5	4/8/14	1 to 6	38.3	28.0
		8.5	2.5	38.3
TH-6	4/8/14	1 to 5.25	3.9	28.0
		8.5	3.7	26.7
SC-1	6/4/14	1 to 15	4.6	42.0
SC-2	6/4/14	1 to 15	7.9	43.3
SC-3	6/4/14	1 to 15	3.6	48.3
SC-4	6/4/14	1 to 15	19.5	44.5
SC-5	6/4/14	15	703	365

NA – not analyzed

\*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

Laboratory analyses for TH-1 were used to confirm field sampling results of the initial release assessment. The benzene concentration was reported less than 1.2 mg/kg, and the total BTEX concentration in TH-1 was reported as 89.5 mg/kg. TPH concentrations as GRO/DRO were reported as 2,500 mg/kg. The chloride concentration was reported at less than 30 mg/kg.

Laboratory analyses for SC-1 through SC-5 were used to confirm field sampling results from the final excavation. Benzene and total BTEX concentrations in SC-5 were reported at less than 0.086 mg/kg and at 0.91 mg/kg, respectively. TPH concentrations as GRO/DRO in SC-1 through SC-4 were reported below laboratory detection limits. The TPH concentration in SC-5 was reported at 277 mg/kg. Results are presented in Table 2 and on Figures 3 and 4. The laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, TPH, and Chlorides  
 Albright #8 Initial Release Assessment and Final Excavation, April and June 2014

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>Benzene (mg/kg)</i>	<i>Total BTEX (mg/kg)</i>	<i>GRO (mg/kg)</i>	<i>DRO (mg/kg)</i>	<i>Chlorides (mg/kg)</i>
<i>NMOCD Action Level*</i>			10	50	1,000		NE
TH-1	4/8/14	12	<1.2	89.5	1,400	1,100	<30
SC-1	6/4/14	1 to 15	NA	NA	<4.9	<9.8	NA
SC-2	6/4/14	1 to 15	NA	NA	<4.8	<10	NA
SC-3	6/4/14	1 to 15	NA	NA	<5.0	<9.9	NA
SC-4	6/4/14	1 to 15	NA	NA	<4.8	<10	NA
SC-5	6/4/14	15	<0.086	0.91	57	220	NA

NA – not analyzed

\*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

### 3.0 Conclusions and Recommendations

On April 8, 2014, AES conducted an initial assessment of petroleum contaminated soils associated with a release of petroleum hydrocarbons from the BGT at the Albright #8. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 10.

Initial assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 1,000 mg/kg TPH were reported in TH-1 and TH-3. The highest VOC concentration was reported in TH-1 with 4,350 ppm, and the highest TPH concentration was reported in TH-1 with 2,300 mg/kg. Laboratory analyses for TH-1 were used to confirm field sampling results. Benzene concentrations were reported below the NMOCD action level of 10 mg/kg; however, total BTEX concentrations exceeded the NMOCD action level of 50 mg/kg with 89.5 mg/kg. TPH concentrations as GRO/DRO in

TH-1 were reported at 2,500 mg/kg, and the chloride concentration was reported below laboratory detection limits.

On June 4, 2014, final clearance of the excavation area was completed. Field sampling results of the excavation extents showed that VOC concentrations were below the applicable NMOCD action level of 100 ppm for the final walls of the excavation but were above the NMOCD action level for SC-5 (base) with 703 ppm VOCs. Field TPH concentrations were below the applicable NMOCD action level of 1,000 mg/kg for the final walls and base of the excavation. Laboratory analytical results for SC-5 reported benzene and total BTEX concentrations below the action levels of 10 mg/kg and 50 mg/kg, respectively. SC-1 through SC-5 also showed TPH concentrations (as GRO/DRO) below NMOCD action levels for all samples.

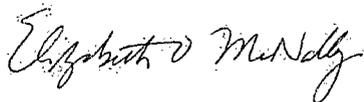
Based on final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the Albright #8, VOC, benzene, total BTEX, and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls and base of the excavation. No further work is recommended.

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

Sincerely,



David J. Reese  
Environmental Scientist



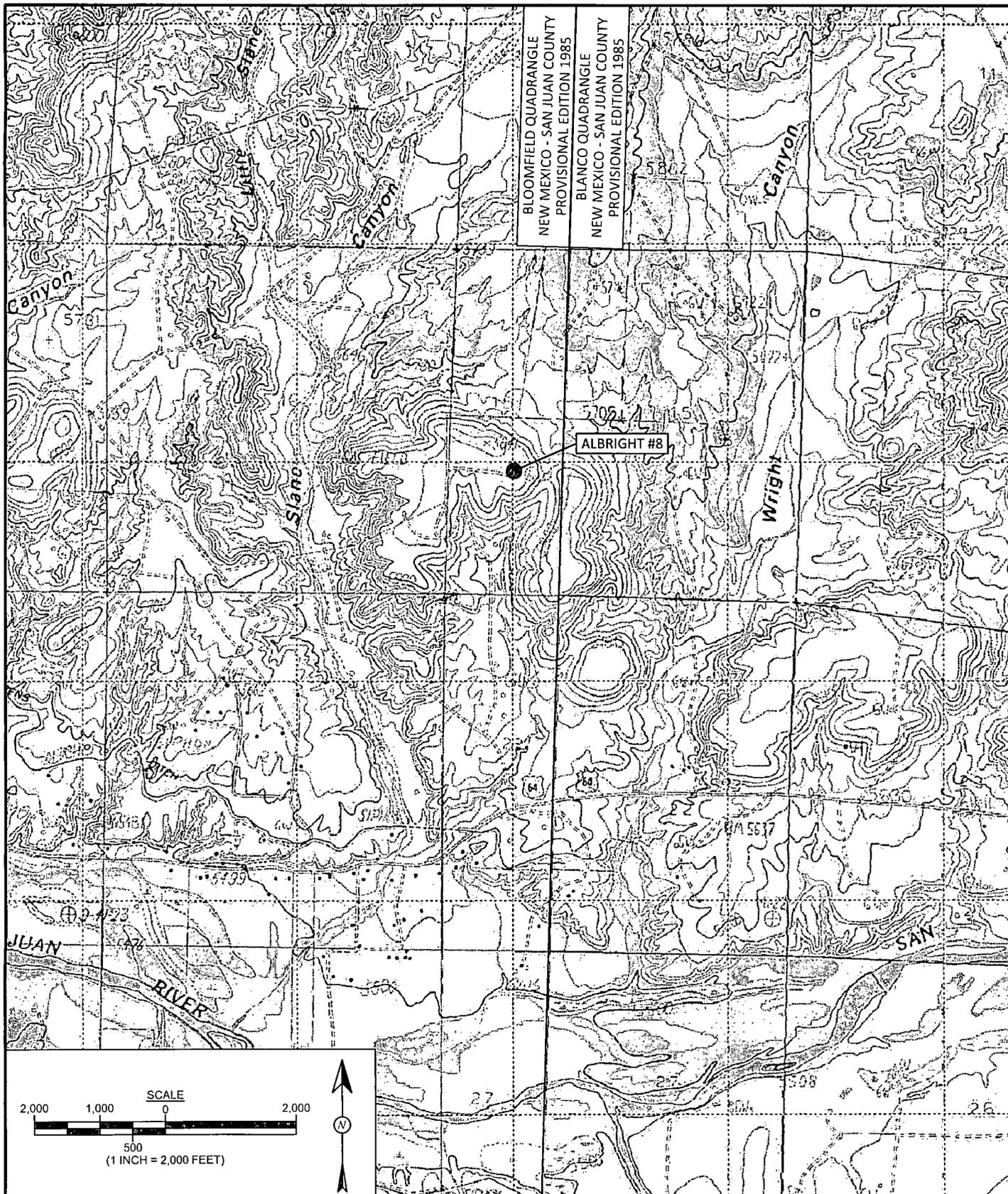
Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, April 2014
- Figure 3. Initial Assessment Sample Locations and Results, April 2014
- Figure 4. Final Excavation Sample Locations and Results, June 2014
- AES Field Sampling Report 040814
- AES Field Sampling Report 060414
- Hall Laboratory Analytical Report 1404569

Hall Laboratory Analytical Report 1406226  
Hall Laboratory Analytical Report 1406239

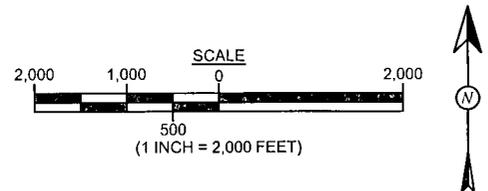
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Projects\ConocoPhillips\Albright #8\Albright #8 Release and Final Excavation Report 071114.docx



BLOOMFIELD QUADRANGLE  
 NEW MEXICO - SAN JUAN COUNTY  
 PROVISIONAL EDITION 1985

BLANCO QUADRANGLE  
 NEW MEXICO - SAN JUAN COUNTY  
 PROVISIONAL EDITION 1985

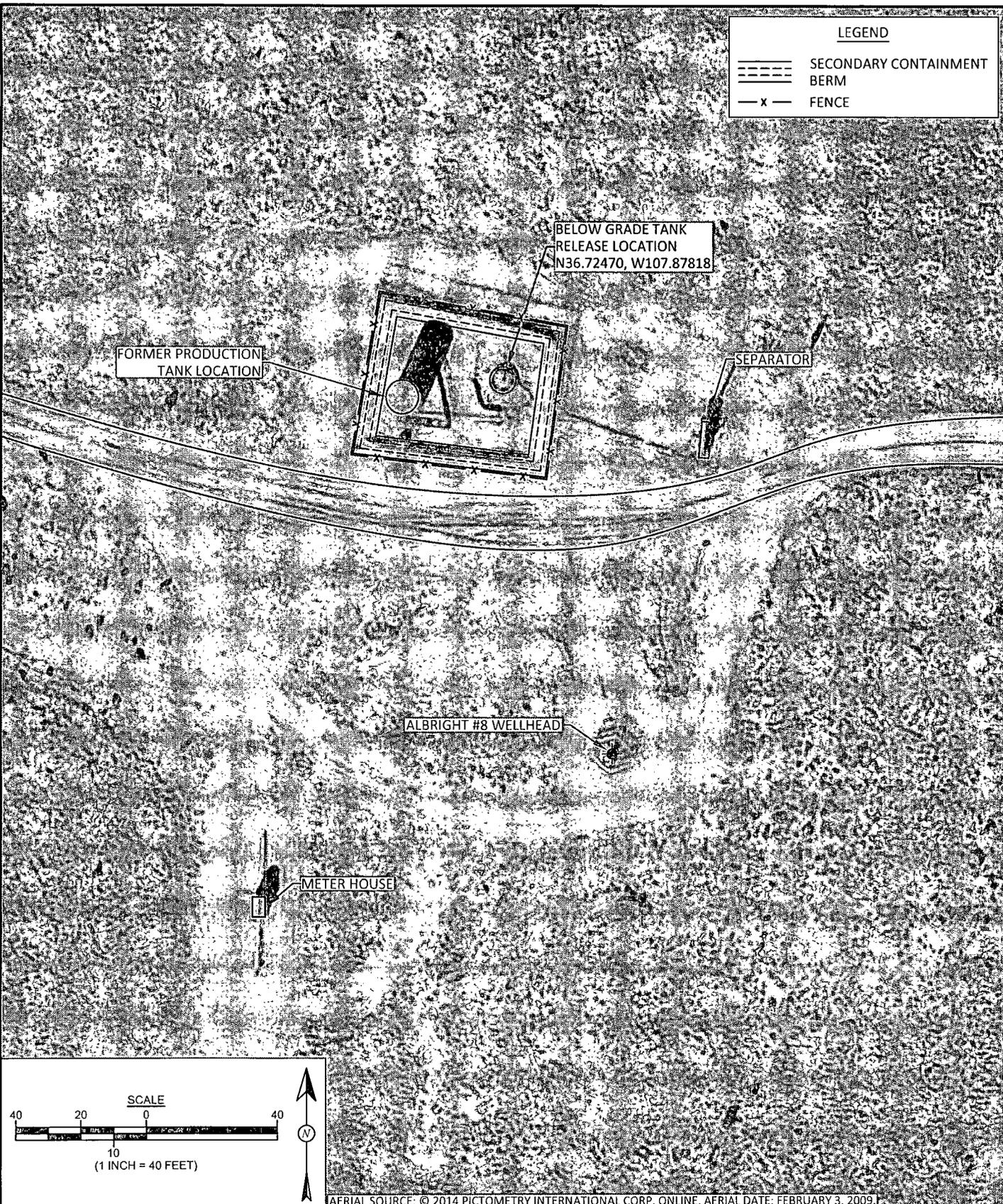
ALBRIGHT #8



<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> June 5, 2014
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> June 12, 2014
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> June 12, 2014
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> June 12, 2014

**FIGURE 1**

**TOPOGRAPHIC SITE LOCATION MAP**  
 ConocoPhillips  
 ALBRIGHT #8  
 NW¼ SW¼, SECTION 15, T29N, R10W  
 SAN JUAN COUNTY, NEW MEXICO  
 N36.72435, W107.87800



Animas Environmental Services, LLC

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> June 5, 2014
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> June 12, 2014
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> June 12, 2014
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> June 12, 2014

## FIGURE 2

**AERIAL SITE MAP  
APRIL 2014**  
ConocoPhillips  
ALBRIGHT #8  
NW¼ SW¼, SECTION 15, T29N, R10W  
SAN JUAN COUNTY, NEW MEXICO  
N36.72435, W107.87800

**FIGURE 3**

**INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS**  
**APRIL 2014**  
 ConocoPhillips  
 ALBRIGHT #8  
 NW¼ SW¼, SECTION 15, T29N, R10W  
 SAN JUAN COUNTY, NEW MEXICO  
 N36.72435, W107.87800

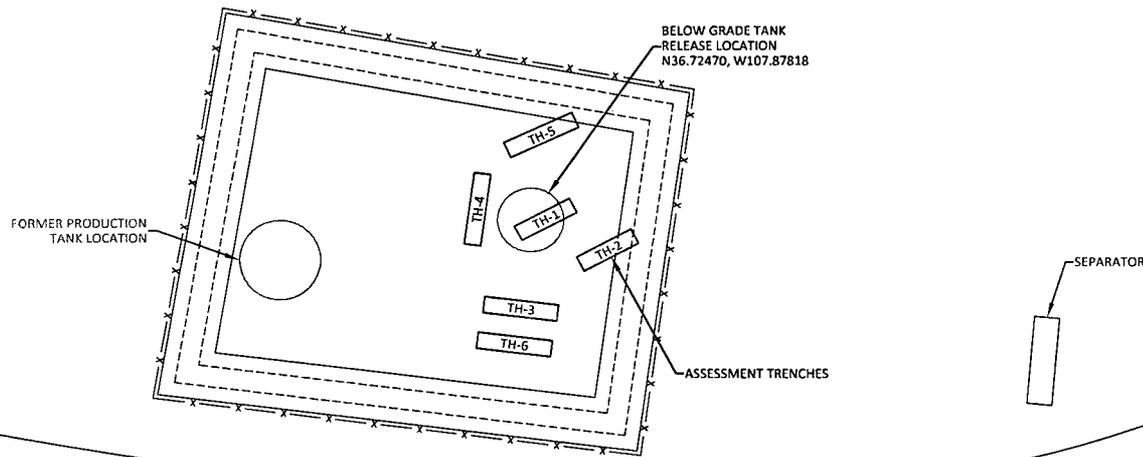


Animas Environmental Services, LLC

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> April 9, 2014
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> June 12, 2014
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> June 12, 2014
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> June 12, 2014

**LEGEND**

- ==== SECONDARY CONTAINMENT BERM
- x-x- FENCE



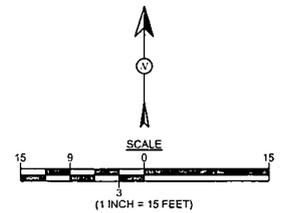
Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
<b>NMOC ACTION LEVEL</b>			<b>100</b>	<b>1,000</b>
TH-1	4/8/14	6	3,768	2,240
		8	3,966	NA
		12	4,350	2,300
TH-2	4/8/14	1 to 5	9.7	NA
		7.5	52.1	35.7
TH-3	4/8/14	1 to 5	1,200	NA
TH-4	4/8/14	1 to 6.5	6.5	31.9
		7	5.0	NA
		8	0.5	NA
TH-5	4/8/14	1 to 6	38.3	28.0
		8.5	2.5	38.3
TH-6	4/8/14	1 to 5.25	3.9	28.0
		8.5	3.7	26.7

NA - NOT ANALYZED

Laboratory Analytical Results							
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	Chlorides (mg/kg)
<b>NMOC ACTION LEVEL</b>			<b>10</b>	<b>50</b>	<b>1,000</b>		<b>NE</b>
TH-1	4/8/14	12	<1.2	89.5	1,400	1,100	<30

SAMPLE WAS ANALYZED PER EPA METHOD 8021B, 8015D, AND 300.0.  
 NE - NOT ESTABLISHED

ALBRIGHT #8 WELLHEAD →



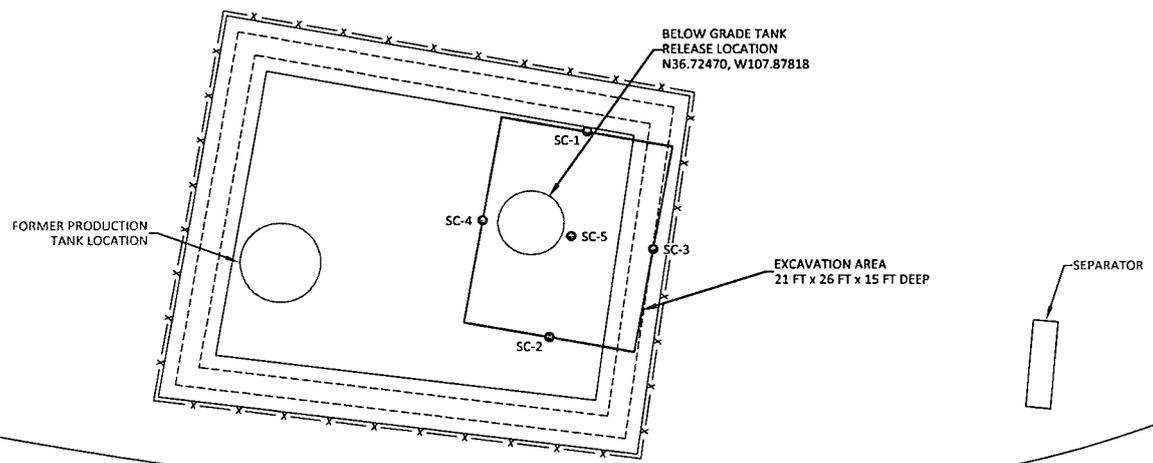
**FIGURE 4**

**FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS**  
**JUNE 2014**  
 ConocoPhillips  
 ALBRIGHT #8  
 NW¼ SW¼, SECTION 15, T29N, R10W  
 SAN JUAN COUNTY, NEW MEXICO  
 N36.72435, W107.87800



<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> June 5, 2014
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> June 12, 2014
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> June 12, 2014
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> June 12, 2014

- LEGEND**
- SAMPLE LOCATIONS
  - ==== SECONDARY CONTAINMENT BERM
  - x - FENCE



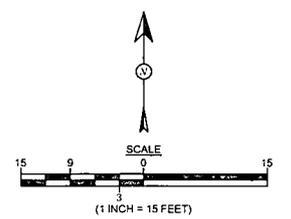
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)	
		<b>NMOC ACTION LEVEL</b>		<b>100</b>	<b>1,000</b>
SC-1	6/4/14	1 to 15	4.6	42.0	
SC-2	6/4/14	1 to 15	7.9	43.3	
SC-3	6/4/14	1 to 15	3.6	48.3	
SC-4	6/4/14	1 to 15	19.5	44.5	
SC-5	6/4/14	15	703	365	

ALL SAMPLES WERE COMPOSITE SAMPLES.

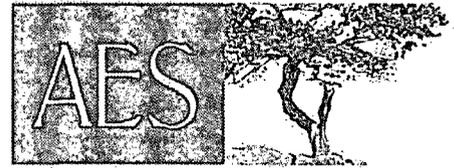
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
		<b>NMOC ACTION LEVEL</b>		<b>10</b>	<b>50</b>	<b>1,000</b>
SC-1	6/4/14	1 to 15	NA	NA	<4.9	<9.8
SC-2	6/4/14	1 to 15	NA	NA	<4.8	<10
SC-3	6/4/14	1 to 15	NA	NA	<5.0	<9.9
SC-4	6/4/14	1 to 15	NA	NA	<4.8	<10
SC-5	6/4/14	15	<0.086	0.91	57	220

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND/OR 8015D.  
 NA - NOT ANALYZED

ALBRIGHT #8 WELLHEAD →



# AES Field Sampling Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: ConocoPhillips

Project Location: Albright #8

Date: 4/8/2014

Matrix: Soil

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

Durango, Colorado  
970-403-3084

Sample ID	Collection Date	Collection Time	OVM (ppm)	TPH* 418.1 (mg/kg)	TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
TH-1 @ 6'	4/8/2014	15:00	3,768	2,240	15:49	20	1	SAL
TH-1 @ 8'	4/8/2014	17:30	3,966	Not Analyzed for TPH				
TH-1 @ 12'	4/8/2014	17:40	4,350	2,300	17:55	20	1	SAL
TH-2 @ 1'-5'	4/8/2014	15:40	9.7	Not Analyzed for TPH				
TH-2 @ 7.5'	4/8/2014	15:45	52.1	35.7	16:27	20	1	SAL
TH-3 @ 1'-5'	4/8/2014	15:55	1,200	Not Analyzed for TPH				
TH-4 @ 1'-6.5'	4/8/2014	16:00	6.5	31.9	16:23	20	1	SAL
TH-4 @ 7'	4/8/2014	16:05	5.0	Not Analyzed for TPH				
TH-4 @ 8'	4/8/2014	16:10	0.5	Not Analyzed for TPH				
TH-5 @ 1'-6'	4/8/2014	17:00	38.3	28.0	17:20	20	1	SAL
TH-5 @ 8.5'	4/8/2014	17:05	2.5	38.3	17:24	20	1	SAL
TH-6 @ 1'-5.25'	4/8/2014	17:10	3.9	28.0	17:37	20	1	SAL
TH-6 @ 8.5'	4/8/2014	17:15	3.7	26.7	17:40	20	1	SAL

DF Dilution Factor  
 NA Not Analyzed  
 ND Not Detected at the Reporting Limit  
 PQL Practical Quantitation Limit

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

\*TPH concentrations recorded may be below PQL.

# AES Field Sampling 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: Albright #8

Date: 6/4/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	TPH* 418.1 (mg/kg)	TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	6/4/2014	11:00	North Wall	4.6	42.0	11:41	20	1	SAL
SC-2	6/4/2014	11:05	South Wall	7.9	43.3	11:44	20	1	SAL
SC-3	6/4/2014	11:10	East Wall	3.6	48.3	11:35	20	1	SAL
SC-4	6/4/2014	11:15	West Wall	19.5	44.5	11:47	20	1	SAL
SC-5	6/4/2014	11:20	Base	703	365	11:38	20	1	SAL

DF Dilution Factor  
 NA Not Analyzed  
 ND Not Detected at the Reporting Limit  
 PQL Practical Quantitation Limit

\*TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:



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

April 22, 2014

Debbie Watson

Animas Environmental  
624 East Comanche

Farmington, NM 87401

TEL: (505) 486-4071

FAX

RE: CoP Albright #8

OrderNo.: 1404569

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/11/2014 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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Hall Environmental Analysis Laboratory, Inc.**

**Analytical Report**  
 Lab Order 1404569  
 Date Reported: 4/22/2014

**CLIENT:** Animas Environmental **Client Sample ID:** TH-1@12'  
**Project:** CoP Albright #8 **Collection Date:** 4/8/2014 5:40:00 PM  
**Lab ID:** 1404569-001 **Matrix:** SOIL **Received Date:** 4/11/2014 10:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BCN</b>
Diesel Range Organics (DRO)	1100	99		mg/Kg	10	4/15/2014 1:45:54 PM	12676
Surr: DNOP	0	66-131	S	%REC	10	4/15/2014 1:45:54 PM	12676
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	1400	250		mg/Kg	50	4/14/2014 8:24:19 PM	12675
Surr: BFB	250	74.5-129	S	%REC	50	4/14/2014 8:24:19 PM	12675
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	1.2		mg/Kg	50	4/14/2014 8:24:19 PM	12675
Toluene	ND	2.5		mg/Kg	50	4/14/2014 8:24:19 PM	12675
Ethylbenzene	3.5	2.5		mg/Kg	50	4/14/2014 8:24:19 PM	12675
Xylenes, Total	86	4.9		mg/Kg	50	4/14/2014 8:24:19 PM	12675
Surr: 4-Bromofluorobenzene	116	80-120		%REC	50	4/14/2014 8:24:19 PM	12675
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JRR</b>
Chloride	ND	30		mg/Kg	20	4/14/2014 7:27:47 PM	12693

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1404569

22-Apr-14

Client: Animas Environmental

Project: CoP Albright #8

Sample ID	MB-12693	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	12693	RunNo:	17983					
Prep Date:	4/14/2014	Analysis Date:	4/14/2014	SeqNo:	518906	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-12693	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	12693	RunNo:	17983					
Prep Date:	4/14/2014	Analysis Date:	4/14/2014	SeqNo:	518907	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-12693	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	12693	RunNo:	18014					
Prep Date:	4/14/2014	Analysis Date:	4/15/2014	SeqNo:	519851	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-12693	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	12693	RunNo:	18014					
Prep Date:	4/14/2014	Analysis Date:	4/15/2014	SeqNo:	519852	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.0	90	110			

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1404569

22-Apr-14

**Client:** Animas Environmental  
**Project:** CoP Albright #8

Sample ID <b>MB-12676</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>12676</b>	RunNo: <b>17956</b>								
Prep Date: <b>4/11/2014</b>	Analysis Date: <b>4/14/2014</b>	SeqNo: <b>518235</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.2		10.00		71.6	66	131			

Sample ID <b>LCS-12676</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>12676</b>	RunNo: <b>17956</b>								
Prep Date: <b>4/11/2014</b>	Analysis Date: <b>4/14/2014</b>	SeqNo: <b>518236</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.1	60.8	145			
Surr: DNOP	3.6		5.000		72.1	66	131			

Sample ID <b>MB-12726</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>12726</b>	RunNo: <b>18017</b>								
Prep Date: <b>4/15/2014</b>	Analysis Date: <b>4/17/2014</b>	SeqNo: <b>521794</b>	Units: <b>%REC</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.4		10.00		84.4	57.9	140			

Sample ID <b>LCS-12726</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>12726</b>	RunNo: <b>18017</b>								
Prep Date: <b>4/15/2014</b>	Analysis Date: <b>4/17/2014</b>	SeqNo: <b>521795</b>	Units: <b>%REC</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		86.4	57.9	140			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1404569

22-Apr-14

Client: Animas Environmental

Project: CoP Albright #8

Sample ID	MB-12675	SampType	MBLK	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	PBS	Batch ID	12675	RunNo	17995					
Prep Date	4/11/2014	Analysis Date	4/14/2014	SeqNo	519242	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	850		1000		84.5	74.5	129			

Sample ID	LCS-12675	SampType	LCS	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	LCSS	Batch ID	12675	RunNo	17995					
Prep Date	4/11/2014	Analysis Date	4/14/2014	SeqNo	519243	Units	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	71.7	134			
Surr: BFB	930		1000		93.4	74.5	129			

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1404569

22-Apr-14

Client: Animas Environmental

Project: CoP Albright #8

Sample ID	MB-12675	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	12675	RunNo:	17995					
Prep Date:	4/11/2014	Analysis Date:	4/14/2014	SeqNo:	519262	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	1.0		1.000		101	80	120			

Sample ID	LCS-12675	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	12675	RunNo:	17995					
Prep Date:	4/11/2014	Analysis Date:	4/14/2014	SeqNo:	519263	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	112	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
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- B Analyte detected in the associated Method Blank
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- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit



Hall Environmental Analysis Laboratory  
 4901 Hawkins NE  
 Albuquerque, NM 87105  
 TEL: 505-345-3975 FAX: 505-345-4107  
 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1404569

RcptNo: 1

Received by/date: CS 04/11/14

Logged By: **Lindsay Mangin** 4/11/2014 10:05:00 AM *[Signature]*

Completed By: **Lindsay Mangin** 4/11/2014 1:11:21 PM *[Signature]*

Reviewed By: CS 04/11/14

**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° 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
- 13. Are matrices correctly identified on Chain of Custody? Yes  No
- 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

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			





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

June 06, 2014

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

RE: CoP Albright #8

OrderNo.: 1406226

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/5/2014 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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1406226

Date Reported: 6/6/2014

CLIENT: Animas Environmental

Client Sample ID: SC-5

Project: CoP Albright #8

Collection Date: 6/4/2014 11:20:00 AM

Lab ID: 1406226-001

Matrix: MEOH (SOIL)

Received Date: 6/5/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BCN</b>
Diesel Range Organics (DRO)	220	10		mg/Kg	1	6/5/2014 12:32:06 PM	13540
Surr: DNOP	86.8	57.9-140		%REC	1	6/5/2014 12:32:06 PM	13540
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	57	17		mg/Kg	5	6/5/2014 1:12:53 PM	R19061
Surr: BFB	226	80-120	S	%REC	5	6/5/2014 1:12:53 PM	R19061
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.086		mg/Kg	5	6/5/2014 1:12:53 PM	R19061
Toluene	ND	0.17		mg/Kg	5	6/5/2014 1:12:53 PM	R19061
Ethylbenzene	0.36	0.17		mg/Kg	5	6/5/2014 1:12:53 PM	R19061
Xylenes, Total	0.55	0.34		mg/Kg	5	6/5/2014 1:12:53 PM	R19061
Surr: 4-Bromofluorobenzene	106	80-120		%REC	5	6/5/2014 1:12:53 PM	R19061

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
E	Value above quantitation range	H Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1406226

06-Jun-14

**Client:** Animas Environmental

**Project:** CoP Albright #8

Sample ID	1406226-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-5	Batch ID:	13540	RunNo:	19054					
Prep Date:	6/5/2014	Analysis Date:	6/5/2014	SeqNo:	551058	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	240	9.9	49.46	215.1	48.8	40.1	152			
Surr: DNOP	4.5		4.946		91.8	57.9	140			

Sample ID	1406226-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-5	Batch ID:	13540	RunNo:	19054					
Prep Date:	6/5/2014	Analysis Date:	6/5/2014	SeqNo:	551059	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	310	9.9	49.65	215.1	182	40.1	152	24.3	32.1	S
Surr: DNOP	4.7		4.965		93.9	57.9	140	0	0	

Sample ID	MB-13540	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	13540	RunNo:	19054					
Prep Date:	6/5/2014	Analysis Date:	6/5/2014	SeqNo:	551279	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.3		10.00		73.1	57.9	140			

Sample ID	LCS-13540	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	13540	RunNo:	19054					
Prep Date:	6/5/2014	Analysis Date:	6/5/2014	SeqNo:	551280	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.0	60.8	145			
Surr: DNOP	3.8		5.000		76.1	57.9	140			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1406226

06-Jun-14

Client: Animas Environmental

Project: CoP Albright #8

Sample ID	<b>MB-13515 MK</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>R19061</b>	RunNo:	<b>19061</b>					
Prep Date:		Analysis Date:	<b>6/5/2014</b>	SeqNo:	<b>551154</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		90.7	80	120			

Sample ID	<b>LCS-13515 MK</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>R19061</b>	RunNo:	<b>19061</b>					
Prep Date:		Analysis Date:	<b>6/5/2014</b>	SeqNo:	<b>551155</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	71.7	134			
Surr: BFB	910		1000		91.5	80	120			

## Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1406226

06-Jun-14

Client: Animas Environmental

Project: CoP Albright #8

Sample ID	MB-13515 MK	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R19061	RunNo:	19061					
Prep Date:		Analysis Date:	6/5/2014	SeqNo:	551180	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	1.0		1.000		104	80	120			

Sample ID	LCS-13515 MK	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R19061	RunNo:	19061					
Prep Date:		Analysis Date:	6/5/2014	SeqNo:	551182	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.050	1.000	0	90.2	80	120			
Toluene	0.88	0.050	1.000	0	88.2	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

## Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

**Sample Log-In Check List**

Client Name: Animas Environmental

Work Order Number: 1406226

RcptNo: 1

Received by/date: CS 06/05/14

Logged By: Michelle Garcia 6/5/2014 10:00:00 AM *Michelle Garcia*

Completed By: Michelle Garcia 6/5/2014 10:04:15 AM *Michelle Garcia*

Reviewed By: *[Signature]* 06/05/14

**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° 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
- 13. Are matrices correctly identified on Chain of Custody? Yes  No
- 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

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			





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

June 11, 2014

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

RE: CoP Albright #8

OrderNo.: 1406239

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 4 sample(s) on 6/5/2014 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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental  
**Project:** CoP Albright #8  
**Lab ID:** 1406239-001

**Matrix:** SOIL

**Client Sample ID:** SC-1  
**Collection Date:** 6/4/2014 11:00:00 AM  
**Received Date:** 6/5/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BCN</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/10/2014 6:38:42 PM	13555
Surr: DNOP	77.0	57.9-140		%REC	1	6/10/2014 6:38:42 PM	13555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/7/2014 4:32:00 PM	13564
Surr: BFB	88.9	80-120		%REC	1	6/7/2014 4:32:00 PM	13564

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental  
**Project:** CoP Albright #8  
**Lab ID:** 1406239-002

**Matrix:** SOIL

**Client Sample ID:** SC-2  
**Collection Date:** 6/4/2014 11:05:00 AM  
**Received Date:** 6/5/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BCN</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/10/2014 8:04:55 PM	13555
Surr: DNOP	84.0	57.9-140		%REC	1	6/10/2014 8:04:55 PM	13555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/7/2014 5:57:52 PM	13564
Surr: BFB	89.7	80-120		%REC	1	6/7/2014 5:57:52 PM	13564

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report  
 Lab Order 1406239  
 Date Reported: 6/11/2014

CLIENT: Animas Environmental

Client Sample ID: SC-3

Project: CoP Albright #8

Collection Date: 6/4/2014 11:10:00 AM

Lab ID: 1406239-003

Matrix: SOIL

Received Date: 6/5/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BCN</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/10/2014 8:26:25 PM	13555
Surr: DNOP	88.4	57.9-140		%REC	1	6/10/2014 8:26:25 PM	13555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/7/2014 6:26:29 PM	13564
Surr: BFB	88.3	80-120		%REC	1	6/7/2014 6:26:29 PM	13564

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental

**Client Sample ID:** SC-4

**Project:** CoP Albright #8

**Collection Date:** 6/4/2014 11:15:00 AM

**Lab ID:** 1406239-004

**Matrix:** SOIL

**Received Date:** 6/5/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BCN</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/10/2014 8:48:05 PM	13555
Surr: DNOP	86.2	57.9-140		%REC	1	6/10/2014 8:48:05 PM	13555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/7/2014 6:55:03 PM	13564
Surr: BFB	92.8	80-120		%REC	1	6/7/2014 6:55:03 PM	13564

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	<ul style="list-style-type: none"> <li>* Value exceeds Maximum Contaminant Level.</li> <li>E Value above quantitation range</li> <li>J Analyte detected below quantitation limits</li> <li>O RSD is greater than RSDlimit</li> <li>R RPD outside accepted recovery limits</li> <li>S Spike Recovery outside accepted recovery limits</li> </ul>	<ul style="list-style-type: none"> <li>B Analyte detected in the associated Method Blank</li> <li>H Holding times for preparation or analysis exceeded</li> <li>ND Not Detected at the Reporting Limit</li> <li>P Sample pH greater than 2.</li> <li>RL Reporting Detection Limit</li> </ul>	Page 4 of 7
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# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1406239

11-Jun-14

**Client:** Animas Environmental  
**Project:** CoP Albright #8

Sample ID	<b>MB-13555</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>13555</b>	RunNo:	<b>19086</b>					
Prep Date:	<b>6/5/2014</b>	Analysis Date:	<b>6/6/2014</b>	SeqNo:	<b>551891</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.7		10.00		77.0	57.9	140			

Sample ID	<b>LCS-13555</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>13555</b>	RunNo:	<b>19086</b>					
Prep Date:	<b>6/5/2014</b>	Analysis Date:	<b>6/6/2014</b>	SeqNo:	<b>552691</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.8	60.8	145			
Surr: DNOP	4.3		5.000		85.7	57.9	140			

Sample ID	<b>MB-13578</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>13578</b>	RunNo:	<b>19152</b>					
Prep Date:	<b>6/9/2014</b>	Analysis Date:	<b>6/10/2014</b>	SeqNo:	<b>553568</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		116	57.9	140			

Sample ID	<b>LCS-13578</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>13578</b>	RunNo:	<b>19152</b>					
Prep Date:	<b>6/9/2014</b>	Analysis Date:	<b>6/10/2014</b>	SeqNo:	<b>553571</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.5	57.9	140			

Sample ID	<b>1406344-001AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8015D: Diesel Range Organics</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>13578</b>	RunNo:	<b>19152</b>					
Prep Date:	<b>6/9/2014</b>	Analysis Date:	<b>6/10/2014</b>	SeqNo:	<b>553574</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.6		4.916		113	57.9	140			

Sample ID	<b>1406344-001AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8015D: Diesel Range Organics</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>13578</b>	RunNo:	<b>19152</b>					
Prep Date:	<b>6/9/2014</b>	Analysis Date:	<b>6/10/2014</b>	SeqNo:	<b>553635</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.1		4.990		123	57.9	140	0	0	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1406239

11-Jun-14

Client: Animas Environmental

Project: CoP Albright #8

Sample ID	1406239-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-1	Batch ID:	13555	RunNo:	19152					
Prep Date:	6/5/2014	Analysis Date:	6/10/2014	SeqNo:	554431	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.40	6.696	96.3	40.1	152			
Surr: DNOP	4.3		5.040		85.5	57.9	140			

Sample ID	1406239-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-1	Batch ID:	13555	RunNo:	19152					
Prep Date:	6/5/2014	Analysis Date:	6/10/2014	SeqNo:	554432	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.8	49.16	6.696	98.3	40.1	152	0.410	32.1	
Surr: DNOP	4.1		4.916		84.1	57.9	140	0	0	

## Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range                  | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits      | ND Not Detected at the Reporting Limit               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1406239

11-Jun-14

**Client:** Animas Environmental  
**Project:** CoP Albright #8

Sample ID: <b>MB-13564</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>13564</b>	RunNo: <b>19108</b>								
Prep Date: <b>6/6/2014</b>	Analysis Date: <b>6/7/2014</b>	SeqNo: <b>552282</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.8	80	120			

Sample ID: <b>LCS-13564</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>13564</b>	RunNo: <b>19108</b>								
Prep Date: <b>6/6/2014</b>	Analysis Date: <b>6/7/2014</b>	SeqNo: <b>552283</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.8	71.7	134			
Surr: BFB	930		1000		93.0	80	120			

Sample ID: <b>1406239-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SC-1</b>	Batch ID: <b>13564</b>	RunNo: <b>19108</b>								
Prep Date: <b>6/6/2014</b>	Analysis Date: <b>6/7/2014</b>	SeqNo: <b>552288</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.39	0	104	69.5	145			
Surr: BFB	950		975.6		97.5	80	120			

Sample ID: <b>1406239-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SC-1</b>	Batch ID: <b>13564</b>	RunNo: <b>19108</b>								
Prep Date: <b>6/6/2014</b>	Analysis Date: <b>6/7/2014</b>	SeqNo: <b>552289</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.49	0	106	69.5	145	2.40	20	
Surr: BFB	940		979.4		96.0	80	120	0	0	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

**Sample Log-In Check List**

Client Name: Animas Environmental

Work Order Number: 1406239

ReptNo: 1

Received by/date: CS 06/05/14

Logged By: Michelle Garcia 6/5/2014 10:00:00 AM *Michelle Garcia*

Completed By: Michelle Garcia 6/5/2014 12:19:06 PM *Michelle Garcia*

Reviewed By: At 06/05/14

**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° 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? Yes  No   
(Note discrepancies on chain of custody)
- 13. Are matrices correctly identified on Chain of Custody? Yes  No
- 14. Is it clear what analyses were requested? Yes  No
- 15. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

# Chain-of-Custody Record

TURN-AROUND TIME:

Client: Antmas Environmental Services

Standard  Rush

Mailing Address: 624 E. Comanche

Project Name: Co P Albright #8

Farmington, NM 87401

Project #:

Phone #: (505) 564-2281

Project Manager:

email or Fax#:

D. Watson

QA/QC Package:

Sampler: S. Lynn

Standard  Level 4 (Full Validation)

On Ice:  Yes  No

Accreditation

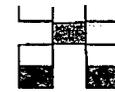
Sample Temperature: 1.0°

NELAP  Other \_\_\_\_\_

HEAL No: 1406239

EDD (Type) \_\_\_\_\_

Sample Temperature: 1.0°



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

### Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO) (418.1)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)	
4/4/14	11:00	soil	SC-1	1-402	cool	-001			X										
4/4/14	11:05	soil	SC-2	↓	↓	-002			X										
4/4/14	11:10	soil	SC-3	↓	↓	-003			X										
4/4/14	11:15	soil	SC-4	↓	↓	-004			X										

Date: 4/4/14 Time: 1709 Relinquished by: Stephanie Lynn

Received by: Christa Walker Date: 4/4/14 Time: 1709

Remarks: Bill to Conoco Phillips

Date: 4/4/14 Time: 1737 Relinquished by: Christa Walker

Received by: Celina Sore Date: 06/04/14 Time: 10:00

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.