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

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

Form C-141
Revised August 8, 2011

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 **ConocoPhillips Company**	Contact **Crystal Tafoya**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9837
Facility Name: **Federal 9E**	Facility Type: **Gas Well**

Surface Owner **BLM**	Mineral Owner **BLM (NM-021119)**	API No.**3004523904**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	**9**	**29N**	**12W**	**790**	**South**	**790**	**East**	**San Juan**

Latitude 36.736 Longitude 108.09799

NATURE OF RELEASE

Type of Release **Produced Fluids**	Volume of Release **Unknown**	Volume Recovered **233 cu. yds.**
Source of Release **Below Grade Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **March 15, 2013**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	RCVD JUL 31 '13
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	OIL CONS. DIV. DIST. 3

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

Describe Cause of Problem and Remedial Action Taken.*
Below Grade Tank Closure Activities

Describe Area Affected and Cleanup Action Taken.*
Historical hydrocarbon impacted soil was found during the BGT closure for the subject well. The excavation was 30'x 30' x 7' and 233 yds of soil was transported to IEI landfarm and 233 yds of clean soil was transported from Aztec Machine and placed in the excavation site. The soil sampling 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: Crystal L. Tafoya	OIL CONSERVATION DIVISION Approved by Environmental Specialist: Jonathan D. Kelly	
Printed Name: **Crystal Tafoya**		
Title: **Field Environmental Specialist**	Approval Date: 8/16/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval: BGT Closure permit required following BGT Closure.	Attached ☐
Date: 7/30/2013 Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

nJK1322838281

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3084

July 26, 2013

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

RE: Below Grade Tank Closure, Release Assessment, and Final Excavation Report
Federal #9E
San Juan County, New Mexico

Dear Ms. Tafoya:

On March 15 and 20, and June 3, 2013, Animas Environmental Services, LLC (AES) completed below grade tank (BGT) closure sampling, an initial release assessment, and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) Federal #9E, located in San Juan County, New Mexico. A historical release was discovered during BGT closure sampling at the location, and an initial release assessment was completed on March 20, 2013. The final excavation was completed by contractors while AES was on location on June 3, 2013.

1.0 Site Information

1.1 Location

Site Name – Federal #9E
Legal Description – SE¼ SE¼, Section 9, T29N, R12W, San Juan County, New Mexico
Well Latitude/Longitude – N36.73618 and W108.09796, respectively
BGT/Release Latitude/Longitude – N36.73611 and W108.09765, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, March 2013

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a Pit Remediation and Closure Report dated June 1999 for the Federal

#9E reported depth to water as greater than 100 feet below ground surface (bgs); however, a C-144 dated June 2007 for the Ropco Federal FC 9 #2T located approximately 320 feet north-northwest of the location reported depth to water as between 50 and 99 feet bgs. The New Mexico Office of the State Engineer (NMOSE) database was reviewed, and no registered water wells were 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 between 50 and 99 feet bgs. An ephemeral wash which drains to San Juan River is located approximately 90 feet east of the location. Based on this information, the location was assessed a ranking score of 30 per the NMOCD *Guidelines for Leaks, Spills, and Releases* (1993).

1.3 Assessments

AES was initially contacted by Jess Henson, CoP representative, on March 15, 2013, for BGT closure sampling at the location, and on the same day, Heather Woods and Corwin Lameman 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. Two additional composite samples and one waste characterization sample were collected from an excavation initiated while AES was onsite. Sample locations are included on Figure 2.

On March 20, 2013, AES personnel returned to the location to complete the release assessment field work. The assessment included collection and field screening of 12 soil samples from 6 test holes (TH-1 through TH-6). Based on field screening results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On June 3, 2013, AES personnel returned to the location to collect confirmation soil samples of the excavation. The field screening activities included collection of five confirmation soil samples (SC-2 through SC-6) of the walls and base of the excavation. The final excavation measured 24.5 feet by 22.5 feet by 7 feet in depth. The depth of the excavation was limited by a confining sandstone layer encountered at 7 feet bgs. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

On March 15, 2013, during BGT closure sampling, 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 VOCs and chloride and was submitted for confirmation laboratory analysis. Based on field TPH results, CoP contractors began excavating while AES was onsite. Samples were collected from the north base and north wall of the initial excavation and were field screened for VOCs and TPH. Additionally, the sample labeled North Base was submitted for laboratory analysis. A sample from the excavation stockpile was also submitted to the analytical laboratory for waste characterization.

A total of 12 soil samples (TH-1 through TH-6) and 5 composite samples (SC-2 through SC-6) were collected during the release and excavation assessments. All soil samples were field screened for VOCs, and selected samples were analyzed for TPH. One composite sample (SC-6) collected during the excavation was submitted for confirmation laboratory analysis.

2.1 Soil 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 samples were 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 soil samples (SC-1, North Base, and SC-6) collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed

on ice, and logged onto sample chain of custody records. The samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8260B/8021B; and
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015B/8015D.

The soil sample (SC-1) collected on March 15, 2013, was also analyzed for:

- Chlorides per USEPA Method 300.0.

2.3 Soil Field and Laboratory Analytical Results

On March 15, 2013, BGT closure field screening readings for VOCs via OVM were 0.0 ppm in each sample (S-1 through S-5 and SC-1); however, field TPH concentrations ranged from 145 mg/kg in S-2 to 2,690 mg/kg in S-3. The field chloride concentration in SC-1 was reported at 60 mg/kg.

Initial excavation field screening on March 15, 2013, showed VOCs via OVM of 0.0 ppm (North Wall) and 1,428 ppm (North Base). Field TPH concentrations were 30.2 mg/kg (North Wall) and 644 mg/kg (North Base).

On March 20, 2013, assessment field screening readings for VOCs via OVM ranged from 0.6 ppm in TH-1 up to 4,562 ppm in TH-2. Field TPH concentrations ranged from less than 20.0 mg/kg in TH-1 to 3,620 mg/kg in TH-2.

On June 3, 2013, final excavation field screening results for VOCs via OVM ranged from 0.8 ppm in SC-3 up to 792 ppm in SC-6. Field TPH concentrations ranged from 44.0 mg/kg in SC-3 to 1,870 mg/kg in SC-6. Field screening VOC and TPH results are summarized in Table 1 and on Figures 2 through 4. The AES field screening reports are attached.

Table 1. Soil Field Screening VOCs, TPH, and Chloride Results
Federal #9E BGT Closure, Release Assessment, and Final Excavation Report
March and June 2013

Sample ID	Date Sampled	Sample Depth (ft)	VOCs OVM Reading (ppm)	Field TPH (mg/kg)	Chloride (mg/kg)
NMOCD Action Level*			***100***	***100***	***250***
S-1	3/15/13	4	0.0	**1,270**	NA
S-2	3/15/13	4	0.0	**145**	NA
S-3	3/15/13	4	0.0	**2,690**	NA
S-4	3/15/13	4	0.0	**1,910**	NA
S-5	3/15/13	4	0.0	**331**	NA
SC-1	3/15/13	4	0.0	NA	60
North Base	3/15/13	7	**1,428**	**644**	NA
North Wall	3/15/13	4 to 7	0.0	30.2	NA
TH-1	3/20/13	1.5	0.6	NA	NA
		7	1.2	<20.0	NA
TH-2	3/20/13	5.5	3.3	26.9	NA
		7	**4,562**	**3,620**	NA
TH-3	3/20/13	4.5	4.7	26.9	NA
		8	5.5	30.5	NA
TH-4	3/20/13	4.5	5.6	25.6	NA
		8	6.8	51.4	NA
TH-5	3/20/13	4.5	3.9	31.8	NA
		8	4.0	33.0	NA
TH-6	3/20/13	4.5	11.9	41.6	NA
		9	5.4	45.2	NA
SC-2	6/3/13	1 to 7	0.9	57.8	NA
SC-3	6/3/13	1 to 7	0.8	44.0	NA
SC-4	6/3/13	1 to 7	1.3	81.2	NA
SC-5	6/3/13	1 to 7	1.0	52.3	NA
SC-6	6/3/13	7	**792**	**1,870**	NA

NA – not analyzed
*Action levels determined by NMAC 19.15.17.13E and the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993)

Laboratory analytical results for SC-1 collected on March 15, 2013, reported benzene and total BTEX concentrations below laboratory detection limits of 0.050 mg/kg and 0.25 mg/kg, respectively. The TPH as GRO/DRO concentration was reported at 300 mg/kg. The chloride concentration was below the laboratory detection limit of 30 mg/kg. The north base sample reported benzene and total BTEX concentrations as less than 0.050 mg/kg and 6.1 mg/kg, respectively. The TPH concentration as GRO/DRO was reported at 1,160 mg/kg.

Laboratory analytical results for SC-6 collected on June 3, 2013, from the base of the final excavation, had a benzene concentration reported below the laboratory detection limit of 0.12 mg/kg. The total BTEX concentration was 4.3 mg/kg. The TPH concentration as GRO/DRO was 840 mg/kg. Laboratory analytical results are summarized in Table 2 and included on Figures 2 and 4. Laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, TPH, and Chlorides
Federal #9E BGT Closure, Release Assessment, and Final Excavation Report
March and June 2013

Sample ID	*Date*	*Depth (ft)*	*Benzene (mg/kg)*	*Total BTEX (mg/kg)*	*TPH-GRO (mg/kg)*	*TPH-DRO (mg/kg)*	*Chlorides (mg/kg)*
NMOCD Action Level*			***0.2/10***	***50***	***100***		***250***
SC-1	3/15/13	4	<0.050	<0.25	<5.0	**300**	<30
North Base	3/15/13	7	<0.050	6.1	**180**	**980**	NA
SC-6	6/3/13	7	<0.12	4.3	**130**	**710**	NA

*Action levels determined by NMAC 19.15.17.13E and the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993)

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 each sample, with the highest concentration reported in S-3 with 2,690 mg/kg. Laboratory analytical results for TPH (as GRO/DRO) in SC-1 were also reported above the NMOCD action level of 100 mg/kg with 300 mg/kg DRO. However, 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 were reported below the NMOCD action level of 250 mg/kg. Based on field and laboratory analytical results, a release was confirmed at the location.

On March 20, 2013, AES conducted an assessment associated with a historical release discovered during BGT closure confirmation sampling. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the site was assigned a ranking of 30. Field screening results for VOCs via OVM were above the NMOCD action level of 100 ppm in TH-2 (4,562 ppm). Field TPH concentrations above the NMOCD action level of 100 mg/kg were also reported in TH-2 (3,620 mg/kg).

On June 3, 2013, final clearance of the excavation area was completed. Field screening results of the excavation showed that concentrations of VOCs and TPH were below NMOCD action levels for each of the final four walls of the excavation (SC-2 through SC-5). However, the base of the excavation (SC-6) exceeded NMOCD action levels for VOCs with 792 ppm and TPH with 1,870 mg/kg. Laboratory analytical results for SC-6 (base) showed benzene and total BTEX concentrations below applicable NMOCD action levels. However, TPH concentrations as GRO/DRO exceeded the NMOCD action level of 100 mg/kg with 840 mg/kg. Note that further excavation of the base was not possible due to a competent layer of sandstone encountered at 7 feet bgs.

CoP consulted with Brandon Powell of NMOCD, and on June 5, 2013, was granted approval to backfill the excavation. No further work is recommended for the Federal #9E.

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 R. Cupps

Landrea Cupps
Environmental Scientist

Elizabeth McNally

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, March 2013
Figure 3. Initial Assessment Sample Locations and Results, March 2013
Figure 4. Final Excavation Sample Locations and Results, June 2013
AES Field Screening Reports (031513, 032013, and 060313)
Hall Analytical Reports (1303647, 1303648, and 1306072)

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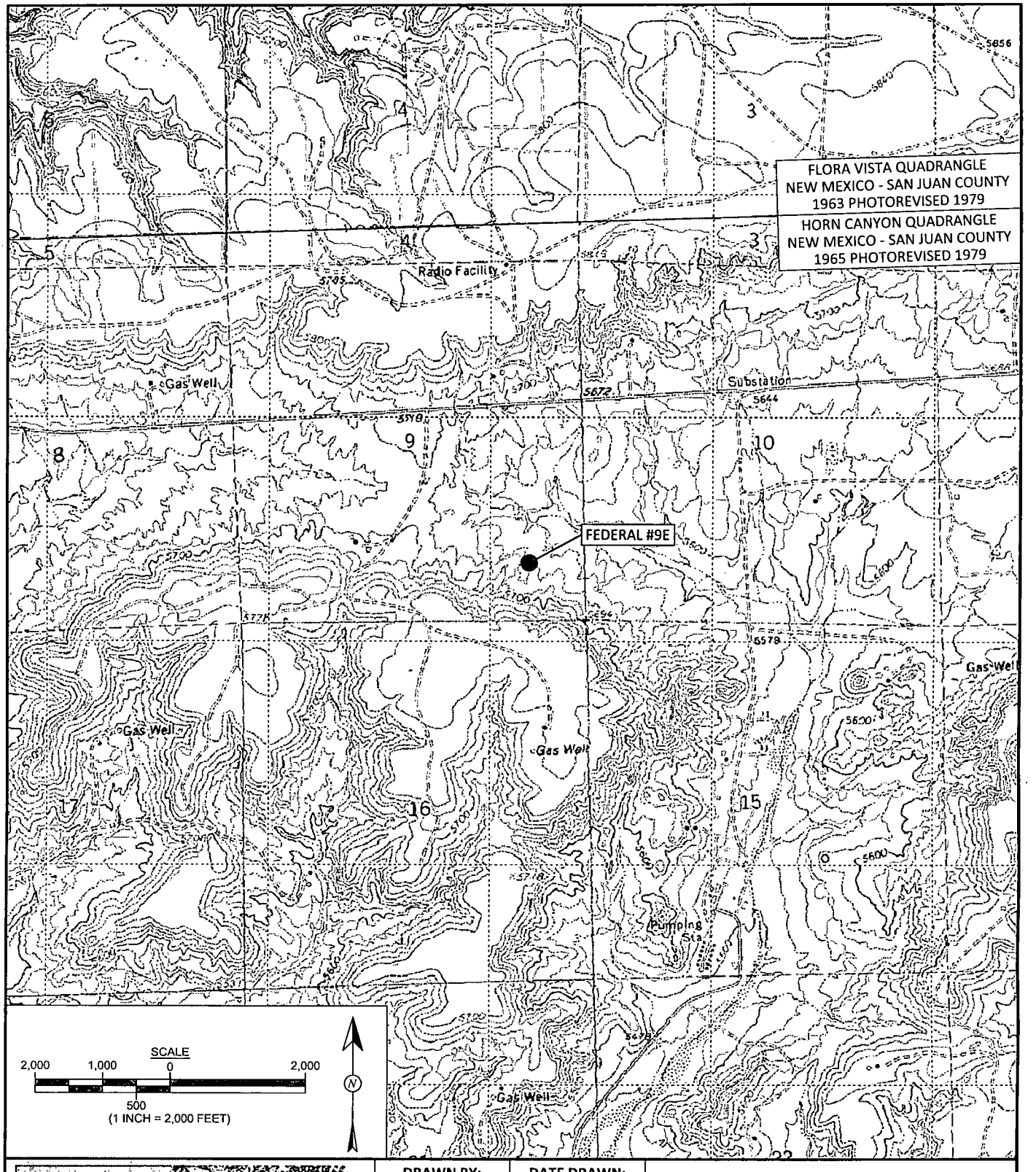
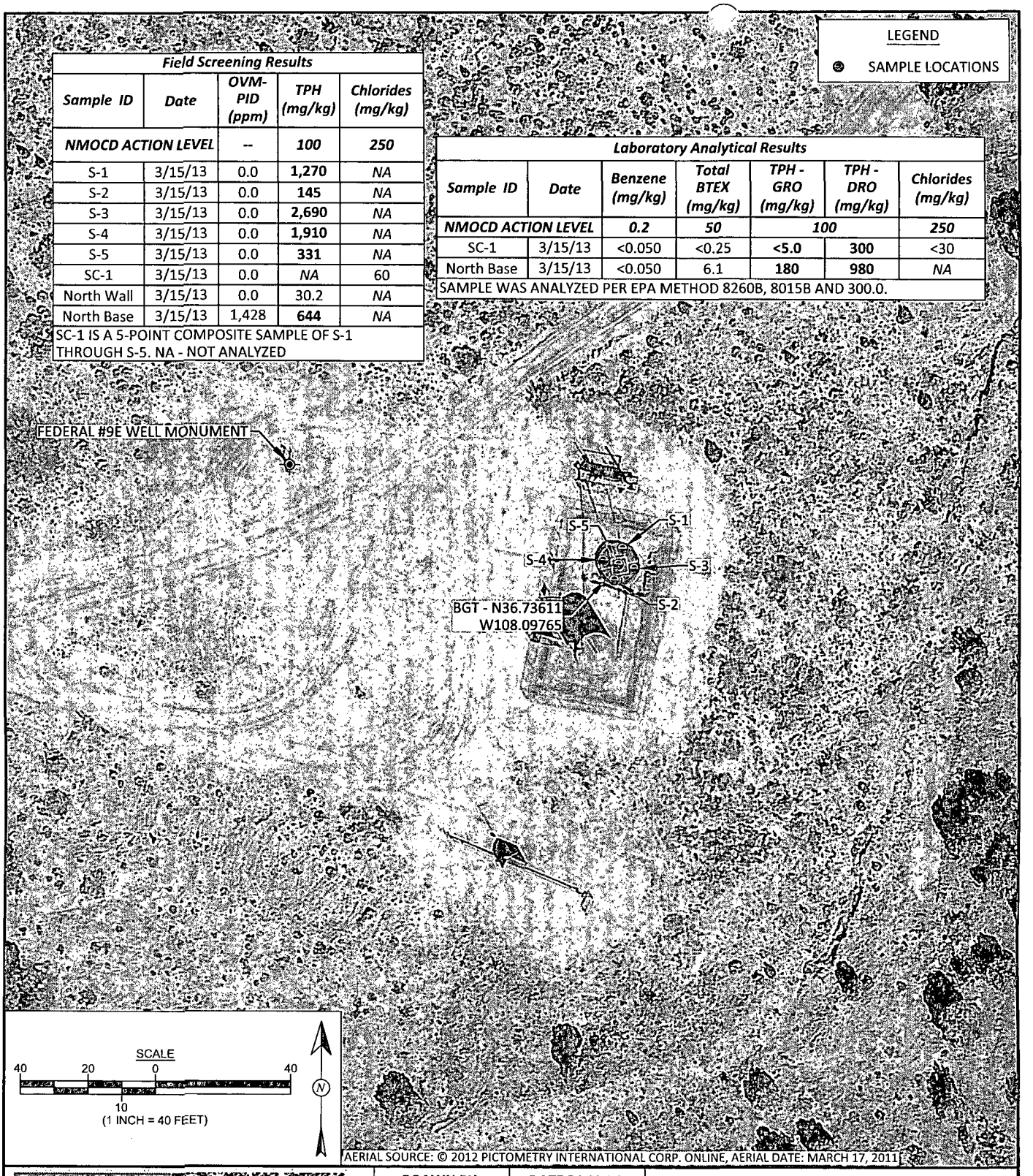


DRAWN BY: C. Lameman	**DATE DRAWN:** March 20, 2013	**FIGURE 1**	
REVISIONS BY: C. Lameman	**DATE REVISED:** March 20, 2013	**TOPOGRAPHIC SITE LOCATION MAP**	
CHECKED BY: D. Watson	**DATE CHECKED:** March 20, 2013	ConocoPhillips FEDERAL #9E SE¼ SE¼, SECTION 9, T29N, R12W SAN JUAN COUNTY, NEW MEXICO N36.73618, W108.09796	
APPROVED BY: E. McNally	**DATE APPROVED:** March 20, 2013		

AES
Animas Environmental Services, LLC



Field Screening Results

Sample ID	Date	OVM-PID (ppm)	TPH (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL		--	100	250
S-1	3/15/13	0.0	**1,270**	NA
S-2	3/15/13	0.0	**145**	NA
S-3	3/15/13	0.0	**2,690**	NA
S-4	3/15/13	0.0	**1,910**	NA
S-5	3/15/13	0.0	**331**	NA
SC-1	3/15/13	0.0	NA	60
North Wall	3/15/13	0.0	30.2	NA
North Base	3/15/13	1,428	**644**	NA

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	3/15/13	<0.050	<0.25	**<5.0**	**300**	<30
North Base	3/15/13	<0.050	6.1	**180**	**980**	NA

SAMPLE WAS ANALYZED PER EPA METHOD 8260B, 8015B AND 300.0.

AERIAL SOURCE: © 2012 PICTOMETRY INTERNATIONAL CORP. ONLINE, AERIAL DATE: MARCH 17, 2011

Animas Environmental Services, LLC

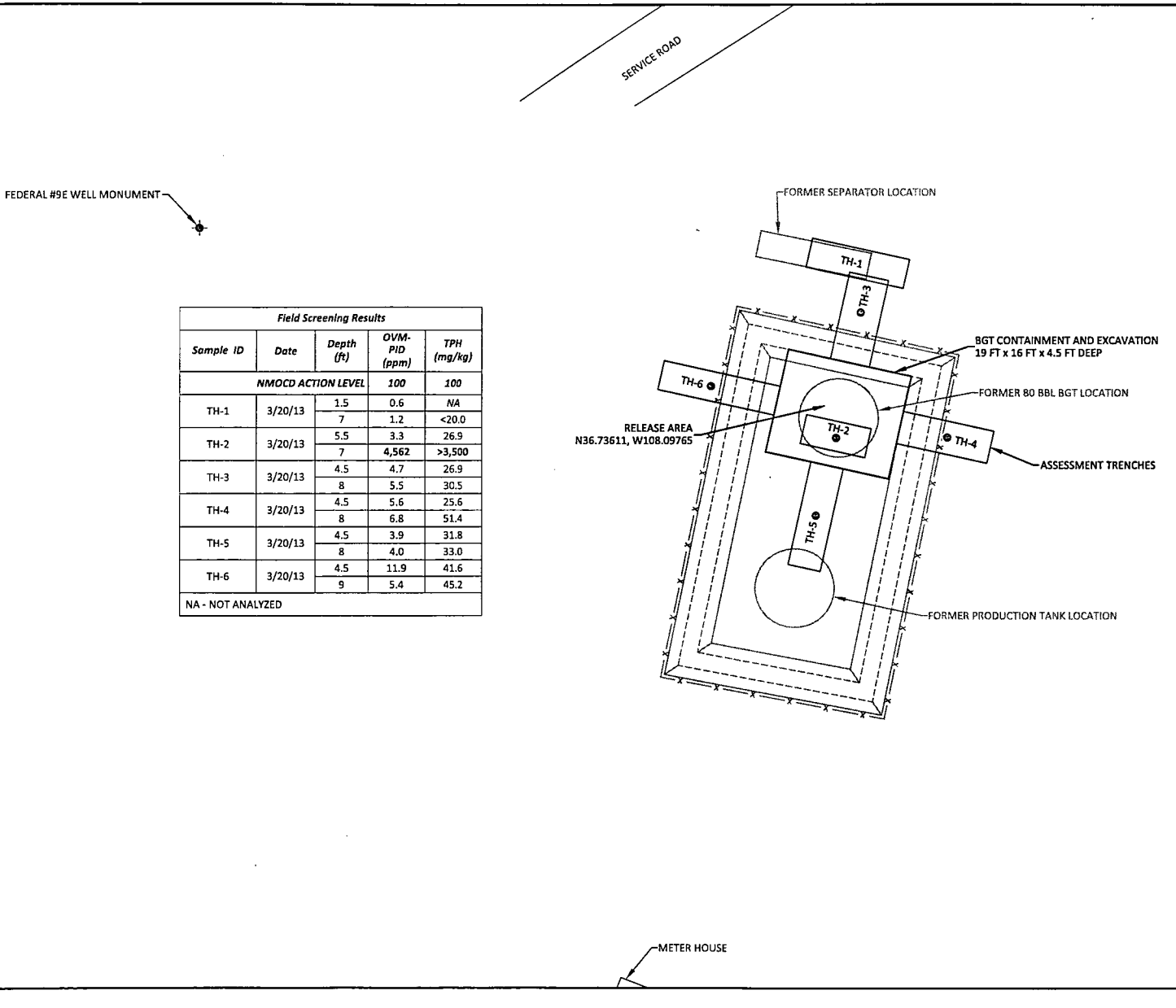
DRAWN BY: C. Lameman	**DATE DRAWN:** March 20, 2013
REVISIONS BY: C. Lameman	**DATE REVISED:** March 20, 2013
CHECKED BY: D. Watson	**DATE CHECKED:** March 20, 2013
APPROVED BY: E. McNally	**DATE APPROVED:** March 20, 2013

FIGURE 2

AERIAL SITE MAP
BELOW GRADE TANK CLOSURE
MARCH 2013
ConocoPhillips
FEDERAL #9E
SE¼ SE¼, SECTION 9, T29N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.73618, W108.09796

FIGURE 3

INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS
MARCH 2013
ConocoPhillips
FEDERAL #9E
SE¼ SE¼, SECTION 9, T29N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.73618, W108.09796



Field Screening Results				
Sample ID	*Date*	*Depth (ft)*	*OVM-PID (ppm)*	*TPH (mg/kg)*
NMOCD ACTION LEVEL			*100*	*100*
TH-1	3/20/13	1.5	0.6	*NA*
		7	1.2	<20.0
TH-2	3/20/13	5.5	3.3	26.9
		7	4,562	>3,500
TH-3	3/20/13	4.5	4.7	26.9
		8	5.5	30.5
TH-4	3/20/13	4.5	5.6	25.6
		8	6.8	51.4
TH-5	3/20/13	4.5	3.9	31.8
		8	4.0	33.0
TH-6	3/20/13	4.5	11.9	41.6
		9	5.4	45.2
NA - NOT ANALYZED				

Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
C. Lameman	March 20, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	March 20, 2013
CHECKED BY:	**DATE CHECKED:**
D. Watson	March 20, 2013
APPROVED BY:	**DATE APPROVED:**
E. McNally	March 20, 2013

LEGEND

- SAMPLE LOCATIONS
- FORMER SECONDARY CONTAINMENT BERM

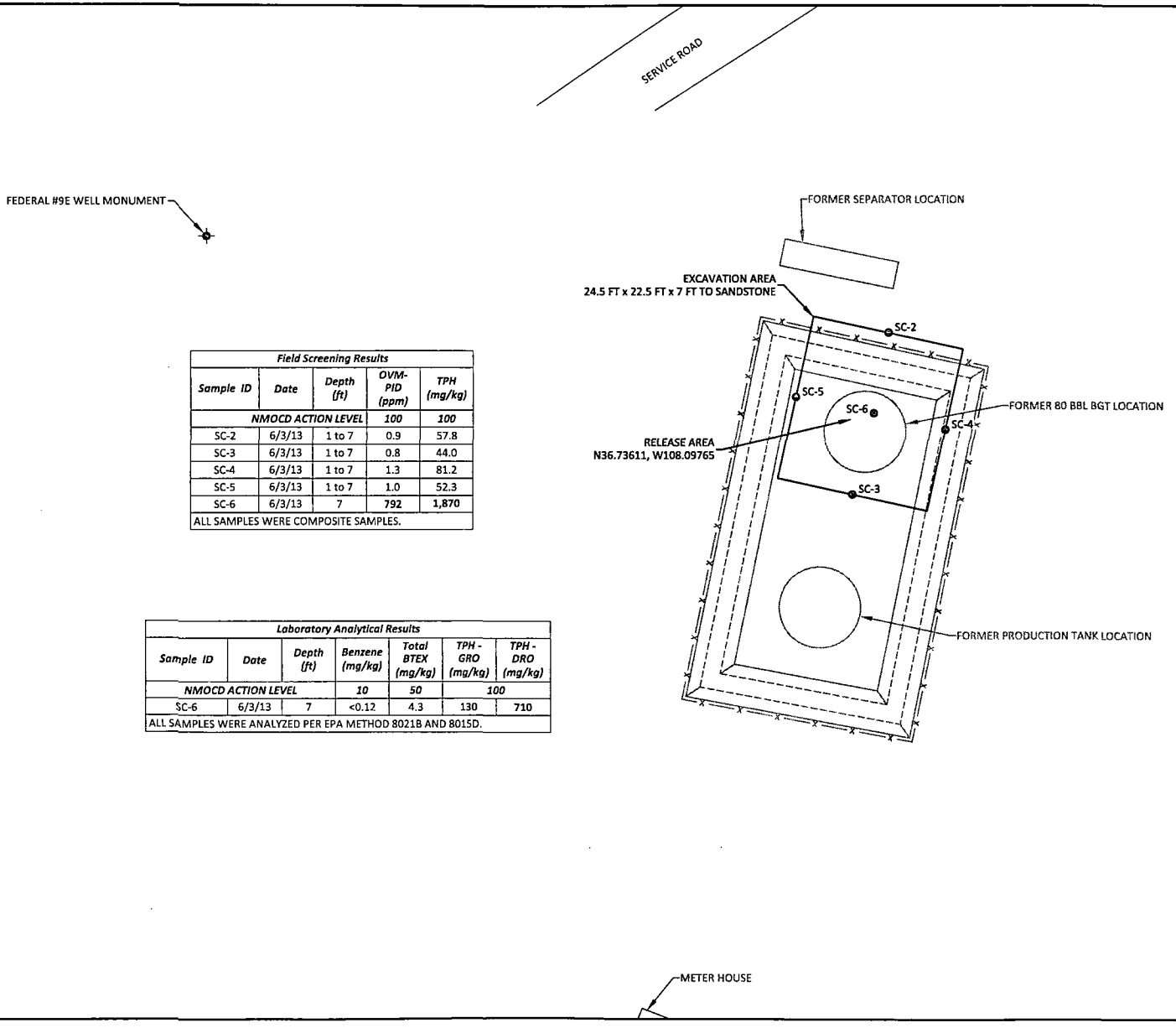
N

SCALE
15 9 0 15
3
(1 INCH = 15 FEET)

FIGURE 4

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS JUNE 2013

ConocoPhillips
FEDERAL #9E
SE¼ SE¼, SECTION 9, T29N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.73618, W108.09796



Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SC-2	6/3/13	1 to 7	0.9	57.8
SC-3	6/3/13	1 to 7	0.8	44.0
SC-4	6/3/13	1 to 7	1.3	81.2
SC-5	6/3/13	1 to 7	1.0	52.3
SC-6	6/3/13	7	792	1,870
ALL SAMPLES WERE COMPOSITE SAMPLES.				

Laboratory Analytical Results						
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOCD ACTION LEVEL			10	50	100	
SC-6	6/3/13	7	<0.12	4.3	130	710
ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015D.						

Animas Environmental Services, LLC.

DRAWN BY:	DATE DRAWN:
C. Lameman	June 4, 2013
REVISIONS BY:	**DATE REVISED:**
C. Lameman	June 4, 2013
CHECKED BY:	**DATE CHECKED:**
D. Watson	June 4, 2013
APPROVED BY:	**DATE APPROVED:**
E. McNally	June 4, 2013

LEGEND

- SAMPLE LOCATIONS
- FORMER SECONDARY CONTAINMENT BERM

N

SCALE
15 9 0 15
3
(1 INCH = 15 FEET)

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: Federal #9E

Date: 3/15/2013

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	3/15/2013	11:12	North	0.0	NA	11:56	1,270	20.0	1	HMW
S-2	3/15/2013	11:14	South	0.0	NA	11:59	145	20.0	1	HMW
S-3	3/15/2013	11:17	East	0.0	NA	12:01	2,690	20.0	1	HMW
S-4	3/15/2013	11:19	West	0.0	NA	12:04	1,910	20.0	1	HMW
S-5	3/15/2013	11:22	Center	0.0	NA	12:06	331	20.0	1	HMW
SC-1	3/15/2013	11:28	Composite	0.0	60	*Not Analyzed for TPH.*				
North Base	3/15/2013	13:32	North Base	1,428	NA	13:48	644	20.0	1	HMW
North Wall	3/15/2013	13:34	North Wall	0.0	NA	13:51	30.2	20.0	1	HMW

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.*

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Heather M. Woods

Report Finalized: 03/15/13

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: Federal #9E

Date: 3/20/2013

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
TH-1 @ 1.5'	3/20/2013	7:45	0.6	*Not Analyzed for TPH*				
TH-1 @ 7'	3/20/2013	7:50	1.2	8:17	11.6	20.0	1	HMW
TH-2 @ 5.5'	3/20/2013	7:58	3.3	10:04	26.9	20.0	1	HMW
TH-2 @ 7'	3/20/2013	8:07	4,562	8:25	3,620	40.0	1	HMW
TH-3 @ 4.5'	3/20/2013	8:20	4.7	10:07	26.9	20.0	1	HMW
TH-3 @ 8'	3/20/2013	8:25	5.5	8:45	30.5	20.0	1	HMW
TH-4 @ 4.5'	3/20/2013	8:40	5.6	9:04	25.6	20.0	1	HMW
TH-4 @ 8'	3/20/2013	8:45	6.8	9:12	51.4	20.0	1	HMW
TH-5 @ 4.5'	3/20/2013	8:55	3.9	10:10	31.8	20.0	1	HMW
TH-5 @ 8'	3/20/2013	9:02	4.0	9:20	33.0	20.0	1	HMW
TH-6 @ 4.5'	3/20/2013	9:30	11.9	10:12	41.6	20.0	1	HMW
TH-6 @ 9'	3/20/2013	9:36	5.4	9:57	45.2	20.0	1	HMW

*Total Petroleum Hydrocarbons - USEPA 418.1

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

Analyst: Heather M. Woods

Report Finalized: 03/20/13

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: Federal #9E

Date: 6/3/2013

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-2	6/3/2013	13:30	North Wall	0.9	14:00	57.8	20.0	1	SL
SC-3	6/3/2013	13:22	South Wall	0.8	14:03	44.0	20.0	1	SL
SC-4	6/3/2013	13:25	East Wall	1.3	14:07	81.2	20.0	1	SL
SC-5	6/3/2013	13:23	West Wall	1.0	14:10	52.3	20.0	1	SL
SC-6	6/3/2013	13:27	Base	792	14:13	1,870	40.0	1	SL

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: Stephanie Alyn

Report Finalized: 06/03/13

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 25, 2013

Debbie Watson

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

RE: CoP Federal #9E OrderNo.: 1303647

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/16/2013 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1303647**
Date Reported: **3/25/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: NORTH BASE
Project: CoP Federal #9E
Collection Date: 3/15/2013 1:32:00 PM
Lab ID: 1303647-001
Matrix: SOIL
Received Date: 3/16/2013 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **MMD**
Diesel Range Organics (DRO)	980	10		mg/Kg	1	3/18/2013 9:57:22 AM
Surr: DNOP	137	72.4-120	S	%REC	1	3/18/2013 9:57:22 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	ND	0.050		mg/Kg	1	3/18/2013 11:18:22 AM
Toluene	ND	0.050		mg/Kg	1	3/18/2013 11:18:22 AM
Ethylbenzene	0.57	0.050		mg/Kg	1	3/18/2013 11:18:22 AM
Xylenes, Total	5.5	0.10		mg/Kg	1	3/18/2013 11:18:22 AM
Surr: 1,2-Dichloroethane-d4	95.4	70-130		%REC	1	3/18/2013 11:18:22 AM
Surr: 4-Bromofluorobenzene	147	70-130	S	%REC	1	3/18/2013 11:18:22 AM
Surr: Dibromofluoromethane	96.4	70-130		%REC	1	3/18/2013 11:18:22 AM
Surr: Toluene-d8	99.4	70-130		%REC	1	3/18/2013 11:18:22 AM
EPA METHOD 8015B MOD: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	180	5.0		mg/Kg	1	3/18/2013 11:18:22 AM
Surr: BFB	147	70-130	S	%REC	1	3/18/2013 11:18:22 AM

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
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 Services
Client Sample ID: STOCKPILE
Project: CoP Federal #9E
Collection Date: 3/15/2013 1:36:00 PM
Lab ID: 1303647-002
Matrix: SOIL
Received Date: 3/16/2013 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						Analyst: **TMG**
Mercury	ND	0.033		mg/kg	1	3/19/2013 10:06:18 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **JLF**
Arsenic	ND	5.0		mg/Kg	2	3/20/2013 7:39:21 AM
Barium	11	0.20		mg/Kg	2	3/20/2013 7:39:21 AM
Cadmium	ND	0.20		mg/Kg	2	3/20/2013 7:39:21 AM
Chromium	2.8	0.60		mg/Kg	2	3/20/2013 7:39:21 AM
Lead	7.7	0.50		mg/Kg	2	3/20/2013 7:39:21 AM
Selenium	ND	5.0		mg/Kg	2	3/20/2013 7:39:21 AM
Silver	ND	0.50		mg/Kg	2	3/20/2013 7:39:21 AM

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
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#: **1303647**

25-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID: **MB-6531**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **6531**	RunNo: **9236**
Prep Date: **3/18/2013**	Analysis Date: **3/18/2013**	SeqNo: **262767** 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	11		10.00		110	72.4	120			

Sample ID: **LCS-6531**	SampType: **LCS**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **6531**	RunNo: **9236**
Prep Date: **3/18/2013**	Analysis Date: **3/18/2013**	SeqNo: **262769** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.0	47.4	122			
Surr: DNOP	5.4		5.000		107	72.4	120			

Sample ID: **MB-6507**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **6507**	RunNo: **9236**
Prep Date: **3/15/2013**	Analysis Date: **3/18/2013**	SeqNo: **263399** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		110	72.4	120			

Sample ID: **LCS-6507**	SampType: **LCS**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **6507**	RunNo: **9236**
Prep Date: **3/15/2013**	Analysis Date: **3/18/2013**	SeqNo: **263753** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.6		5.000		112	72.4	120			

Sample ID: **1303598-005AMS**	SampType: **MS**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **BatchQC**	Batch ID: **6507**	RunNo: **9236**
Prep Date: **3/15/2013**	Analysis Date: **3/18/2013**	SeqNo: **263769** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		4.902		112	72.4	120			

Sample ID: **1303598-005AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **BatchQC**	Batch ID: **6507**	RunNo: **9236**
Prep Date: **3/15/2013**	Analysis Date: **3/18/2013**	SeqNo: **263771** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.6		5.081		111	72.4	120	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
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#: **1303647**

25-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID: **5ml-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263924** 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: 1,2-Dichloroethane-d4	0.43		0.5000		85.9	70	130			
Surr: 4-Bromofluorobenzene	0.54		0.5000		108	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.6	70	130			
Surr: Toluene-d8	0.47		0.5000		93.6	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263925** 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	107	70	130			
Toluene	0.98	0.050	1.000	0	98.0	80	120			
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		88.9	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		93.8	70	130			
Surr: Toluene-d8	0.47		0.5000		93.9	70	130			

Sample ID: **1303648-001a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263931** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.65	0.050	0.6173	0	105	67.5	124			
Toluene	0.66	0.050	0.6173	0	108	55.8	142			
Surr: 1,2-Dichloroethane-d4	0.28		0.3086		89.6	70	130			
Surr: 4-Bromofluorobenzene	0.28		0.3086		89.7	70	130			
Surr: Dibromofluoromethane	0.30		0.3086		96.9	70	130			
Surr: Toluene-d8	0.31		0.3086		102	70	130			

Sample ID: **1303648-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263932** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.62	0.050	0.6173	0	101	67.5	124	4.00	20	
Toluene	0.64	0.050	0.6173	0	103	55.8	142	4.12	20	
Surr: 1,2-Dichloroethane-d4	0.28		0.3086		89.3	70	130	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
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#: **1303647**

25-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID: **1303648-001a msd** SampType: **MSD** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **R9251** RunNo: **9251**

Prep Date: Analysis Date: **3/18/2013** SeqNo: **263932** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.27		0.3086		87.3	70	130	0	0	
Surr: Dibromofluoromethane	0.29		0.3086		93.9	70	130	0	0	
Surr: Toluene-d8	0.31		0.3086		101	70	130	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
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#: **1303647**

25-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID: **MB-6536**	SampType: **MBLK**	TestCode: **EPA Method 7471: Mercury**
Client ID: **PBS**	Batch ID: **6536**	RunNo: **9314**
Prep Date: **3/18/2013**	Analysis Date: **3/19/2013**	SeqNo: **265641** Units: **mg/kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID: **LCS-6536**	SampType: **LCS**	TestCode: **EPA Method 7471: Mercury**
Client ID: **LCSS**	Batch ID: **6536**	RunNo: **9314**
Prep Date: **3/18/2013**	Analysis Date: **3/19/2013**	SeqNo: **265642** Units: **mg/kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.16	0.033	0.1667	0.003127	93.8	80	120			

Sample ID: **1303602-001AMS**	SampType: **MS**	TestCode: **EPA Method 7471: Mercury**
Client ID: **BatchQC**	Batch ID: **6536**	RunNo: **9314**
Prep Date: **3/18/2013**	Analysis Date: **3/19/2013**	SeqNo: **265644** Units: **mg/kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.15	0.033	0.1660	0.01373	80.2	75	125			

Sample ID: **1303602-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 7471: Mercury**
Client ID: **BatchQC**	Batch ID: **6536**	RunNo: **9314**
Prep Date: **3/18/2013**	Analysis Date: **3/19/2013**	SeqNo: **265645** Units: **mg/kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.14	0.033	0.1653	0.01373	78.6	75	125	2.20	20	

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
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#: **1303647**

25-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID: **MB-6535**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **6535**	RunNo: **9300**
Prep Date: **3/18/2013**	Analysis Date: **3/20/2013**	SeqNo: **265117** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Lead	ND	0.25								
Selenium	ND	2.5								
Silver	ND	0.25								

Sample ID: **LCS-6535**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **6535**	RunNo: **9300**
Prep Date: **3/18/2013**	Analysis Date: **3/20/2013**	SeqNo: **265118** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	29	2.5	25.00	0	117	80	120			
Barium	26	0.10	25.00	0	105	80	120			
Cadmium	28	0.10	25.00	0	112	80	120			
Chromium	26	0.30	25.00	0	106	80	120			
Lead	27	0.25	25.00	0	108	80	120			
Selenium	35	2.5	25.00	0	140	80	120			S
Silver	5.3	0.25	5.000	0	107	80	120			

Sample ID: **1303647-002AMS**	SampType: **MS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **STOCKPILE**	Batch ID: **6535**	RunNo: **9300**
Prep Date: **3/18/2013**	Analysis Date: **3/20/2013**	SeqNo: **265125** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	31	5.0	24.14	4.977	106	75	125			
Barium	25	0.20	24.14	10.77	57.9	75	125			S
Cadmium	23	0.20	24.14	0	93.7	75	125			
Chromium	27	0.60	24.14	2.758	101	75	125			
Lead	26	0.50	24.14	7.659	77.5	75	125			
Selenium	23	5.0	24.14	0	97.0	75	125			
Silver	4.4	0.50	4.827	0	90.4	75	125			

Sample ID: **1303647-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **STOCKPILE**	Batch ID: **6535**	RunNo: **9300**
Prep Date: **3/18/2013**	Analysis Date: **3/20/2013**	SeqNo: **265126** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	31	5.0	24.74	4.977	107	75	125	2.21	20	
Barium	20	0.20	24.74	10.77	38.7	75	125	19.5	20	S

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#: **1303647**

25-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID: **1303647-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **STOCKPILE**	Batch ID: **6535**	RunNo: **9300**
Prep Date: **3/18/2013**	Analysis Date: **3/20/2013**	SeqNo: **265126** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	23	0.20	24.74	0	92.2	75	125	0.874	20	
Chromium	27	0.60	24.74	2.758	97.8	75	125	0.925	20	
Lead	29	0.50	24.74	7.659	84.8	75	125	8.23	20	
Selenium	24	5.0	24.74	0	96.0	75	125	1.38	20	
Silver	4.5	0.50	4.947	0	90.7	75	125	2.83	20	

Sample ID: **MB-6535**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **6535**	RunNo: **9328**
Prep Date: **3/18/2013**	Analysis Date: **3/21/2013**	SeqNo: **265923** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	ND	2.5								

Sample ID: **LCS-6535**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **6535**	RunNo: **9328**
Prep Date: **3/18/2013**	Analysis Date: **3/21/2013**	SeqNo: **265925** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	30	2.5	25.00	0	120	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
- 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#: **1303647**

25-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID: **5ml-rb**	SampType: **MBLK**	TestCode: **EPA Method 8015B Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263851** 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	540		500.0		108	70	130			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015B Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263858** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	74.6	137			
Surr: BFB	480		500.0		95.1	70	130			

Sample ID: **1303648-001A MS**	SampType: **MS**	TestCode: **EPA Method 8015B Mod: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263867** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	5.0	15.43	2.062	92.4	50.3	148			
Surr: BFB	240		308.6		79.0	70	130			

Sample ID: **1303648-001A MSD**	SampType: **MSD**	TestCode: **EPA Method 8015B Mod: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263869** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15	5.0	15.43	2.062	85.2	50.3	148	7.13	20	
Surr: BFB	270		308.6		87.2	70	130	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
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

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

Sample Log-In Check List

Client Name: Animas Environmental — Work Order Number: 1303647

Received by/date: AF 03/16/13

Logged By: **Anne Thorne** 3/16/2013 10:30:00 AM

Completed By: **Anne Thorne** 3/18/2013

Reviewed By: AF 03/18/13

Chain of Custody

AF 03/18/13

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° 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E Comanche St. Farmington NM 87401

Phone #: 505-564-2281

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush Same Day and ASAP

Project Name: CoP Federal #9E

Project #:

Project Manager: D. Watson

Sampler: HW / CL

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.1 °C

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. 1363147	BTEX + [illegible]'s (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / [illegible])	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
3-15-13	1332	Soil	North Base	~~MeOH Kit~~ 4 oz jar	~~MeOH~~ —	-001	X		X													
3-15-13	1336	Soil	Stockpile	4oz jar	—	-002							X									

Date:	Time:	Relinquished by:	Received by:	Date	Time
3-15-13	1717	[signature]	[signature]	3/15/13	1717
3/15/13	1740	[signature]	[signature]	3/16/13	10:30

Remarks: Bill to ConocoPhillips
PO: 10338500
Activity: C200
UserID: BENALE
SUPERVISOR: Carlos Rey
Ordered By: Jess Heason

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 20, 2013

Debbie Watson

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

RE: CoP Federal #9E OrderNo.: 1303648

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/16/2013 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1303648**
Date Reported: **3/20/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: CoP Federal #9E
Lab ID: 1303648-001 **Matrix:** SOIL

Client Sample ID: SC-1
Collection Date: 3/15/2013 11:28:00 AM
Received Date: 3/16/2013 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **MMD**
Diesel Range Organics (DRO)	300	98		mg/Kg	10	3/18/2013 10:19:14 AM
Surr: DNOP	0	72.4-120	S	%REC	10	3/18/2013 10:19:14 AM
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	ND	30		mg/Kg	20	3/18/2013 11:20:32 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	ND	0.050		mg/Kg	1	3/18/2013 11:46:38 AM
Toluene	ND	0.050		mg/Kg	1	3/18/2013 11:46:38 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/18/2013 11:46:38 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/18/2013 11:46:38 AM
Surr: 1,2-Dichloroethane-d4	85.5	70-130		%REC	1	3/18/2013 11:46:38 AM
Surr: 4-Bromofluorobenzene	81.8	70-130		%REC	1	3/18/2013 11:46:38 AM
Surr: Dibromofluoromethane	90.9	70-130		%REC	1	3/18/2013 11:46:38 AM
Surr: Toluene-d8	103	70-130		%REC	1	3/18/2013 11:46:38 AM
EPA METHOD 8015B MOD: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/18/2013 11:46:38 AM
Surr: BFB	81.8	70-130		%REC	1	3/18/2013 11:46:38 AM

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
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#: **1303648**

20-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID	**MB-6533**	SampType: **MBLK**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID: **6533**			RunNo: **9265**					
Prep Date:	**3/18/2013**	Analysis Date: **3/18/2013**			SeqNo: **264222**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-6533**	SampType: **LCS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID: **6533**			RunNo: **9265**					
Prep Date:	**3/18/2013**	Analysis Date: **3/18/2013**			SeqNo: **264223**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.5	90	110			

Sample ID	**1303583-001AMS**	SampType: **MS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**BatchQC**	Batch ID: **6533**			RunNo: **9265**					
Prep Date:	**3/18/2013**	Analysis Date: **3/18/2013**			SeqNo: **264235**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0.9810	86.0	64.4	117			

Sample ID	**1303583-001AMSD**	SampType: **MSD**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**BatchQC**	Batch ID: **6533**			RunNo: **9265**					
Prep Date:	**3/18/2013**	Analysis Date: **3/18/2013**			SeqNo: **264236**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0.9810	85.6	64.4	117	0.385	20	

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
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#: **1303648**

20-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID **MB-6531**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **6531**	RunNo: **9236**
Prep Date: **3/18/2013**	Analysis Date: **3/18/2013**	SeqNo: **262767** 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	11		10.00		110	72.4	120			

Sample ID **LCS-6531**	SampType: **LCS**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **6531**	RunNo: **9236**
Prep Date: **3/18/2013**	Analysis Date: **3/18/2013**	SeqNo: **262769** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.0	47.4	122			
Surr: DNOP	5.4		5.000		107	72.4	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
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#: **1303648**

20-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID **5ml-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263924** 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: 1,2-Dichloroethane-d4	0.43		0.5000		85.9	70	130			
Surr: 4-Bromofluorobenzene	0.54		0.5000		108	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.6	70	130			
Surr: Toluene-d8	0.47		0.5000		93.6	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263925** 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	107	70	130			
Toluene	0.98	0.050	1.000	0	98.0	80	120			
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		88.9	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		93.8	70	130			
Surr: Toluene-d8	0.47		0.5000		93.9	70	130			

Sample ID **1303648-001a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SC-1**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263931** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.65	0.050	0.6173	0	105	67.5	124			
Toluene	0.66	0.050	0.6173	0	108	55.8	142			
Surr: 1,2-Dichloroethane-d4	0.28		0.3086		89.6	70	130			
Surr: 4-Bromofluorobenzene	0.28		0.3086		89.7	70	130			
Surr: Dibromofluoromethane	0.30		0.3086		96.9	70	130			
Surr: Toluene-d8	0.31		0.3086		102	70	130			

Sample ID **1303648-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SC-1**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263932** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.62	0.050	0.6173	0	101	67.5	124	4.00	20	
Toluene	0.64	0.050	0.6173	0	103	55.8	142	4.12	20	
Surr: 1,2-Dichloroethane-d4	0.28		0.3086		89.3	70	130	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
- 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#: **1303648**

20-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID **1303648-001a msd** SampType: **MSD** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **SC-1** Batch ID: **R9251** RunNo: **9251**

Prep Date: Analysis Date: **3/18/2013** SeqNo: **263932** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.27		0.3086		87.3	70	130	0	0	
Surr: Dibromofluoromethane	0.29		0.3086		93.9	70	130	0	0	
Surr: Toluene-d8	0.31		0.3086		101	70	130	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
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#: **1303648**

20-Mar-13

Client: Animas Environmental Services

Project: CoP Federal #9E

Sample ID **5ml-rb**	SampType: **MBLK**	TestCode: **EPA Method 8015B Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263851** 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	540		500.0		108	70	130			

Sample ID **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015B Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263858** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	74.6	137			
Surr: BFB	480		500.0		95.1	70	130			

Sample ID **1303648-001A MS**	SampType: **MS**	TestCode: **EPA Method 8015B Mod: Gasoline Range**
Client ID: **SC-1**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263867** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	5.0	15.43	2.062	92.4	50.3	148			
Surr: BFB	240		308.6		79.0	70	130			

Sample ID **1303648-001A MSD**	SampType: **MSD**	TestCode: **EPA Method 8015B Mod: Gasoline Range**
Client ID: **SC-1**	Batch ID: **R9251**	RunNo: **9251**
Prep Date:	Analysis Date: **3/18/2013**	SeqNo: **263869** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15	5.0	15.43	2.062	85.2	50.3	148	7.13	20	
Surr: BFB	270		308.6		87.2	70	130	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
- 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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental — Work Order Number: 1303648

Received by/date: AT 03/16/13

Logged By: **Anne Thorne** 3/16/2013 10:30:00 AM Anne Thorne

Completed By: **Anne Thorne** 3/18/2013 Anne Thorne

Reviewed By: AT 03/18/13

Chain of Custody

AT 03/18/13

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° 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E Comanche St Farmington NM 87401

Phone #: 505-564-2281

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush Same Day

Project Name: CoP Federal #9E

Project #:

Project Manager: D. Watson

Sampler: HW / CL

On Ice: ☒ Yes ☐ No

Sample Temperature: 3/

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. 1303648	BTEX + MTBE + TPH (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chlorides (300.0)				Air Bubbles (Y or N)
3-15-13	1126	Soil	SC-1	~~MeOH Kit~~ 4oz jar	~~MeOH~~ —	-001	X		X									X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
3-15-13	1717		Christine Walker	3/15/13	1717
3/15/13	1740	Christine Walker		3/16/13	10:30

Remarks: Bill to ConocoPhillips
WO: 10335500 supervisor: Carlos Rey
Activity: C200 water ordered by: Jess Henson
User ID: BENALE

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 06, 2013

Debbie Watson

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

RE: CoP Federal #9E OrderNo.: 1306072

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/4/2013 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. 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 qualifers 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.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1306072**
Date Reported: **6/6/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP Federal #9E
Lab ID: 1306072-001

Client Sample ID: ~~SC-5~~ SC-6 lrc
Collection Date: 6/3/2013 1:27:00 PM
Matrix: MEOH (SOIL) **Received Date:** 6/4/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **GSA**	
Diesel Range Organics (DRO)	710	10		mg/Kg	1	6/4/2013 12:16:06 PM	7743
Surr: DNOP	100	63-147		%REC	1	6/4/2013 12:16:06 PM	7743
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	130	25		mg/Kg	5	6/4/2013 11:41:01 AM	R11057
Surr: BFB	339	80-120	S	%REC	5	6/4/2013 11:41:01 AM	R11057
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.12		mg/Kg	5	6/4/2013 11:41:01 AM	R11057
Toluene	ND	0.25		mg/Kg	5	6/4/2013 11:41:01 AM	R11057
Ethylbenzene	0.33	0.25		mg/Kg	5	6/4/2013 11:41:01 AM	R11057
Xylenes, Total	4.0	0.50		mg/Kg	5	6/4/2013 11:41:01 AM	R11057
Surr: 4-Bromofluorobenzene	116	80-120		%REC	5	6/4/2013 11:41:01 AM	R11057

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 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306072**

06-Jun-13

Client: Animas Environmental

Project: CoP Federal #9E

Sample ID **MB-7743**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **7743**	RunNo: **11054**
Prep Date: **6/4/2013**	Analysis Date: **6/4/2013**	SeqNo: **312839** 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	9.9		10.00		99.1	63	147			

Sample ID **LCS-7743**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **7743**	RunNo: **11054**
Prep Date: **6/4/2013**	Analysis Date: **6/4/2013**	SeqNo: **312840** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.9	77.1	128			
Surr: DNOP	5.0		5.000		99.3	63	147			

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 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1306072

06-Jun-13

Client: Animas Environmental

Project: CoP Federal #9E

Sample ID	MB-7716	SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS	Batch ID:	R11057		RunNo:	11057				
Prep Date:	6/3/2013	Analysis Date:	6/4/2013		SeqNo:	313364	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	940		1000		94.3	80	120			

Sample ID	LCS-7716	SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	LCSS	Batch ID:	R11057		RunNo:	11057				
Prep Date:	6/3/2013	Analysis Date:	6/4/2013		SeqNo:	313365	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	62.6	136			
Surr: BFB	1000		1000		104	80	120			

Sample ID	MB-7716	SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS	Batch ID:	7716		RunNo:	11057				
Prep Date:	6/3/2013	Analysis Date:	6/4/2013		SeqNo:	313385	Units:	%REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.3	80	120			

Sample ID	LCS-7716	SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	LCSS	Batch ID:	7716		RunNo:	11057				
Prep Date:	6/3/2013	Analysis Date:	6/4/2013		SeqNo:	313386	Units:	%REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		104	80	120			

Sample ID	1305C16-001AMS	SampType:	MS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	BatchQC	Batch ID:	7716		RunNo:	11057				
Prep Date:	6/3/2013	Analysis Date:	6/4/2013		SeqNo:	313389	Units:	%REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		958.8		105	80	120			

Sample ID	1305C16-001AMSD	SampType:	MSD		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	BatchQC	Batch ID:	7716		RunNo:	11057				
Prep Date:	6/3/2013	Analysis Date:	6/4/2013		SeqNo:	313390	Units:	%REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		960.6		107	80	120	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 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306072**

06-Jun-13

Client: Animas Environmental

Project: CoP Federal #9E

Sample ID	**MB-7716**	SampType: **MBLK**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID: **R11057**		RunNo: **11057**					
Prep Date:	**6/3/2013**	Analysis Date: **6/4/2013**		SeqNo: **313400**		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		99.9	80	120			

Sample ID	**LCS-7716**	SampType: **LCS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID: **R11057**		RunNo: **11057**					
Prep Date:	**6/3/2013**	Analysis Date: **6/4/2013**		SeqNo: **313401**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID	**MB-7716**	SampType: **MBLK**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID: **7716**		RunNo: **11057**					
Prep Date:	**6/3/2013**	Analysis Date: **6/4/2013**		SeqNo: **313419**		Units: **%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	80	120			

Sample ID	**LCS-7716**	SampType: **LCS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID: **7716**		RunNo: **11057**					
Prep Date:	**6/3/2013**	Analysis Date: **6/4/2013**		SeqNo: **313420**		Units: **%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID	**1305C20-001AMS**	SampType: **MS**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**BatchQC**	Batch ID: **7716**		RunNo: **11057**					
Prep Date:	**6/3/2013**	Analysis Date: **6/4/2013**		SeqNo: **313427**		Units: **%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		0.9443		106	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
- R RPD 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 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306072**

06-Jun-13

Client: Animas Environmental

Project: CoP Federal #9E

Sample ID	**1305C20-001AMSD**	SampType: **MSD**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**BatchQC**	Batch ID: **7716**		RunNo: **11057**					
Prep Date:	**6/3/2013**	Analysis Date: **6/4/2013**		SeqNo: **313428**		Units: **%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		0.9443		106	80	120	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 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental | Work Order Number: 1306072 | RcptNo: 1

Received by/date: AG 06/04/13

Logged By: **Michelle Garcia** 6/4/2013 10:00:00 AM Michelle Garcia

Completed By: **Michelle Garcia** 6/4/2013 10:07:14 AM Michelle Garcia

Reviewed By: 06/04/13

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	1.1	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☒ Rush Same Day

Project Name:
CoP Federal #9E

Project #:

Project Manager:
Debbie Watson

Sampler: Stephanie Lynn

On Ice: ☒ Yes ☐ No

Sample Temperature: 4

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. 1306072	BTEX + ~~MTBE~~ + ~~TMB's~~ (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / ~~MRO~~)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
6/3/13	1327	Soil	~~Base Composite~~ SC-5	MeOH kit 1-4oz	MeOH —	-001	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/3/13	1733	Stephanie Lynn	Christine Walters	6/3/13	1733
6/3/13	1754	Christine Walters		06/04/13	1000

Remarks: Bill to ConocoPhillips
WO: ~~95~~ 95015B Supervisor: Mike Smith
Activity Code: C200 Ordered By: Eric Smith
User ID: KGARCIA Area: 3

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