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 **Burlington Resources Oil & Gas Company**	Contact **Crystal Tafoya**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9837
Facility Name: **Nye SRC 14**	Facility Type: **Gas Well**

Surface Owner	Mineral Owner **Federal (SF-078198)**	API No.**30-045-11663**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	**13**	**30N**	**11W**	**1780**	**South**	**1570**	**East**	**San Juan**

Latitude 36.80949 Longitude 107.93913

NATURE OF RELEASE

Type of Release **Produced Fluids**	Volume of Release **Unknown**	Volume Recovered **514 cu. yds.**
Source of Release **Below Grade Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **July 28, 2014**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

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

OIL CONS. DIV DIST. 3
NOV 18 2014

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

Describe Area Affected and Cleanup Action Taken.*
The below grade tank sample results were above regulatory standards by USEPA method 418.1 for TPH confirmation a release. The excavation was 31' X 28' X 16' and 514 cubic yards of soil was transported to a third party landfarm. Excavation and confirmation sampling occurred. Analytical results for TPH, BTEX and Chlorides were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; therefore no further action is required. The final report is attached for review.

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

Signature: Crystal L. Tafoya	OIL CONSERVATION DIVISION Approved by Environmental Specialist:
Printed Name: **Crystal Tafoya**	
Title: **Field Environmental Specialist**	Approval Date: 1/5/15 Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval: Attached ☐
Date: 11/17/2014 Phone: (505) 326-9837	

* Attach Additional Sheets If Necessary

#1500529948

38

November 7, 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

RE: Initial Release Assessment and Final Excavation Report
Nye SRC #14
San Juan County, New Mexico

Dear Ms. Tafoya:

On July 28, August 11, and September 18, 2014, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) Nye SRC #14, located in San Juan County, New Mexico. The release consisted of historic contamination associated with produced water and condensate discovered during plugging and abandonment activities at the location. The initial release assessment was completed by AES on August 11, 2014, and the final excavation was completed by CoP contractors while AES' was at the location on September 18, 2014.

1.0 Site Information

1.1 Location

Site Name – Nye SRC #14
Location – NW¼ SE¼, Section 13, T30N, R11W, San Juan County, New Mexico
Well Head Latitude/Longitude – N36.80949 and W107.93913, respectively
Release Location Latitude/Longitude – N36.80944 and W107.93888, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, July 2014

604 W. Piñon St.
Farmington, NM 87401
505-564-2281

1911 Main, Ste 280
Durango, CO
970-403-3084

www.animasenvironmental.com

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 20 based on the following factors:

- **Depth to Groundwater:** The New Mexico Office of the State Engineer (NMOSE) database was searched, and NMOSE well SJ01720, located approximately 1,550 feet to the northwest and 50 feet lower in elevation, reported the depth to groundwater at 90 feet below ground surface (bgs). Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be greater than 100 feet bgs. (0 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** Hampton Arroyo is located approximately 70 feet south of the location and drains to the northwest into the Animas River. (20 points)

1.3 Assessment

AES was initially contacted by Travis Andrews, CoP representative, on July 28, 2014, and on the same day, Stephanie Hinds and Laura Lane of AES conducted the initial release assessment field work. The assessment included collection and field sampling of 12 soil samples from five assessment trenches in and around the release area. Trenches were terminated between 7 and 15 feet below grade.

On August 11, 2014, AES returned to the location to conduct further release assessment field work. This assessment included collection and field sampling of 10 soil samples from four soil borings around the release area. Based on the field sampling results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On September 18, 2014, AES returned to the location to collect confirmation soil samples of the excavation area. 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 31 feet by 28 feet by 16 feet in depth. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

A total of 22 soil samples from five assessment trenches (TH-1 through TH-5), four borings (SB-1 through SB-4) and five composite samples (SC-1 through SC-5) were collected during the assessments and excavation clearance work. 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 initial 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:

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

2.3 Field and Laboratory Analytical Results

On July 28, 2014, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm in TH-2 up to 1,117 ppm in TH-1. Field TPH concentrations ranged from 36.2 mg/kg in TH-5 up to greater than 2,500 mg/kg in TH-1.

On August 11, 2014, field screening results for VOCs via OVM showed concentrations ranging from 0.1 ppm in SB-1 and SB-4 up to 1.2 ppm in SB-2. Field TPH concentrations ranged from 22.6 mg/kg in SB-1 at 5 feet up to 48.9 mg/kg in SB-1 at 12.5 feet.

On September 18, 2014, final excavation field screening results for VOCs via OVM ranged from 12.6 ppm in SC-3 up to 1,025 ppm in SC-5. Field TPH concentrations ranged from 32.8

mg/kg in SC-2 up to 103 mg/kg in SC-1. 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
Nye SRC #14 Initial Release Assessment and Final Excavation Clearance
July, August, and September 2014

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
*NMOCD Action Level**			*100*	*100*
TH-1	7/28/14	4.5	23.4	**1,060**
		7	55.4	**>2,500**
		15	**1,117**	**1,670**
TH-2	7/28/14	4.5	0.5	**1,480**
		7	0.0	**103**
TH-3	7/28/14	4.5	0.7	**522**
		7	0.1	81.0
TH-4	7/28/14	4.5	1.0	**174**
		7	21.6	**1,890**
		10	3.2	**1,130**
TH-5	7/28/14	4.5	1.1	**397**
		7	0.6	36.2
SB-1	8/11/14	5	0.2	22.6
		7	0.1	28.2
		12.5	0.7	48.9
SB-2	8/11/14	5	1.2	26.8
		7	0.7	37.9
SB-3	8/11/14	5	0.3	33.7
		7	0.2	NA
SB-4	8/11/14	5	0.1	NA
		7	0.3	26.8
		12.5	0.1	28.2
SC-1	9/18/14	1 to 16	**103**	**103**
SC-2	9/18/14	1 to 16	19.5	32.8
SC-3	9/18/14	1 to 16	12.6	55.1

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
*NMOCD Action Level**			*100*	*100*
SC-4	9/18/14	1 to 16	34.8	44.0
SC-5	9/18/14	16	**1,025**	80.3

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. Benzene concentrations were reported below laboratory detection limits. Total BTEX concentrations were reported as 10 mg/kg. TPH concentrations (as GRO/DRO) were reported at 1,460 mg/kg.

Laboratory analyses for SC-1 through SC-5 were used to confirm field sampling results from the final excavation. Benzene concentrations in SC-1 through SC-5 were reported below laboratory detection limits. Total BTEX concentrations were below laboratory detection limits in SC-1 through SC-4 and were reported at 0.630 mg/kg in SC-5. TPH concentrations as GRO/DRO in SC-2 through SC-4 were reported below laboratory detection limits and were reported at 73 mg/kg in SC-1 and 71 mg/kg in SC-5. Results are presented in Table 2 and on Figure 4. The laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH
Nye SRC #14 Initial Release Assessment and Final Excavation Clearance
July, August, and September 2014

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)
*NMOCD Action Level**			*10*	*50*	*100*	
TH-1	7/28/14	15	<0.076	10	**580**	**880**
SC-1	9/18/14	1 to 16	<0.038	<0.191	<3.8	73
SC-2	9/18/14	1 to 16	<0.048	<0.24	<4.8	<10
SC-3	9/18/14	1 to 16	<0.049	<0.244	<4.9	<10
SC-4	9/18/14	1 to 16	<0.047	<0.235	<4.7	<10
SC-5	9/18/14	16	<0.036	0.630	29	42

*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 July 28 and August 11, 2014, AES conducted an initial assessment of petroleum contaminated soils associated with a historic release of produced water and condensate at the Nye SRC #14. 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 20.

Initial assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 100 mg/kg TPH were reported in TH-1 through TH-5. The highest VOC concentration was reported in TH-1 with 1,117 ppm, and the highest TPH concentration was also reported in TH-1 with greater than 2,500 mg/kg.

Laboratory analyses for TH-1 were used to confirm field sampling results. Benzene and total BTEX concentrations were reported below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. TPH concentrations as GRO/DRO of 1,460 mg/kg exceeded the NMOCD action level of 100 mg/kg.

On September 18, 2014, final excavation of the impacted area was completed. Field sampling results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for the final walls of the excavation, except for SC-1 (north wall) which had a VOC concentration of 103 ppm. VOC concentrations also exceeded NMOCD action levels for the excavation base (SC-5), at 1,025 mg/kg. Field TPH concentrations were below the applicable NMOCD action level of 100 mg/kg for the final walls and base of the excavation, with the exception of SC-1 (north wall) which had a TPH concentration of 103 mg/kg. However, laboratory analytical results reported benzene, total BTEX, and TPH concentrations (as GRO/DRO) below applicable NMOCD action levels in SC-1 through SC-5.

Based on final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the Nye SRC #14, 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.

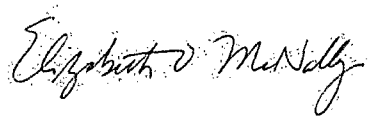
If you have any questions about this report or site conditions, please do not hesitate to contact Emilee Skyles at (505) 564-2281.

Sincerely,

David J. Reese

David J. Reese

Environmental Scientist



Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, July 2014
Figure 3. Release Assessment Sample Locations and Results, July and August 2014
Figure 4. Final Excavation Sample Locations and Results, September 2014
AES Field Sampling Report 072814
AES Field Sampling Report 081114
AES Field Sampling Report 091814
Hall Laboratory Analytical Report 1407D67
Hall Laboratory Analytical Report 1409946

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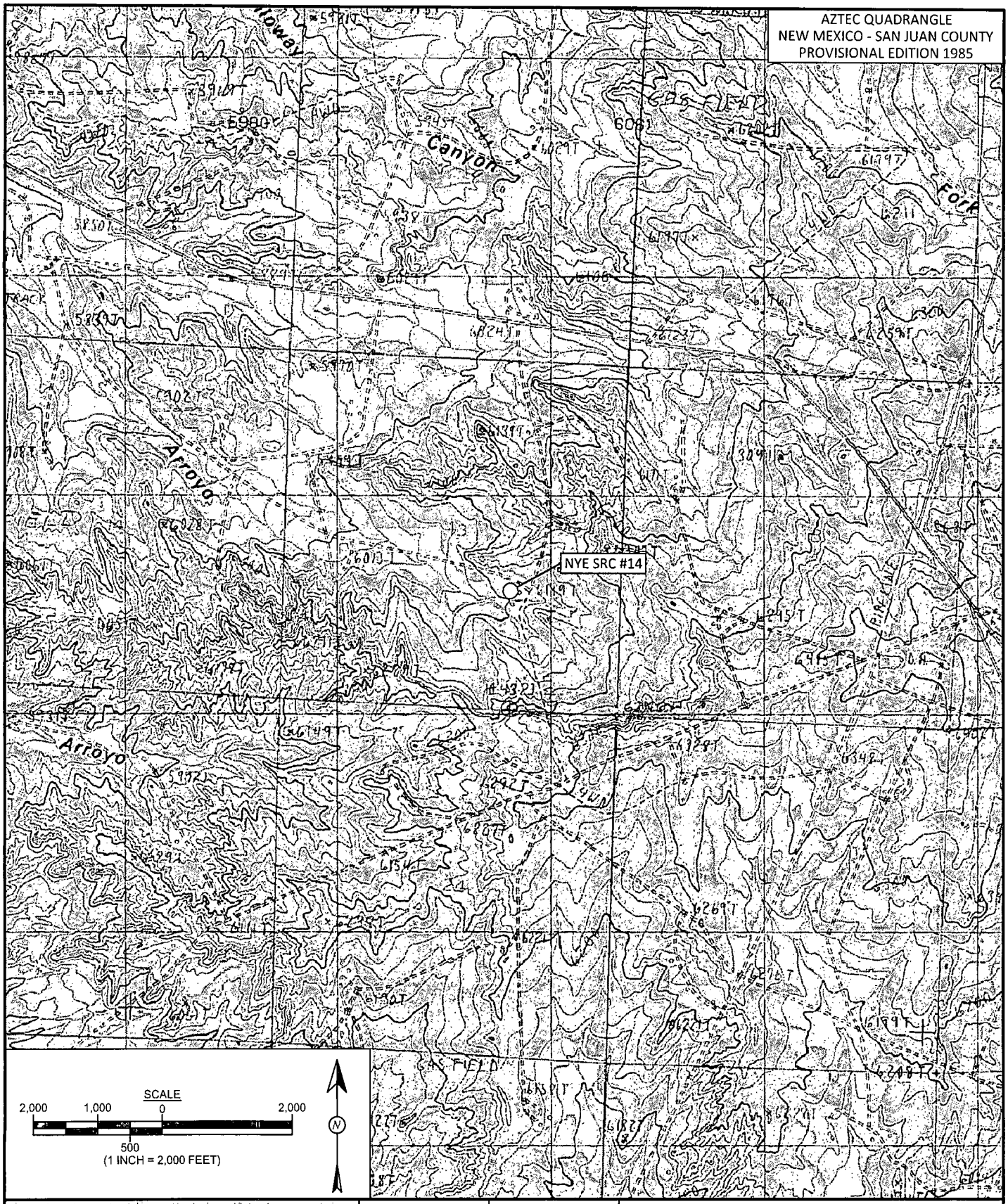
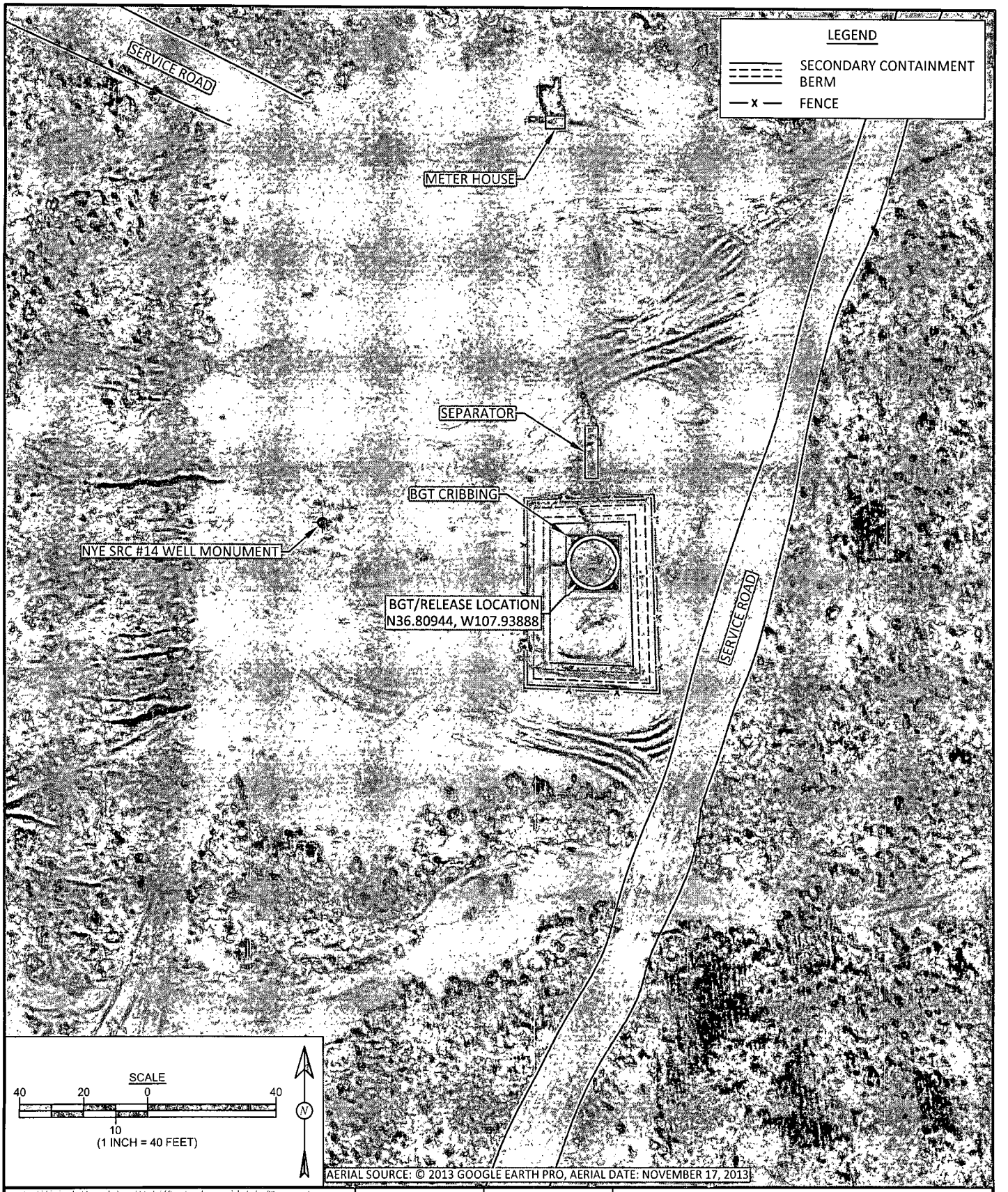


DRAWN BY: S. Glasses	**DATE DRAWN:** July 29, 2014
REVISIONS BY: C. Lameman	**DATE REVISED:** July 29, 2014
CHECKED BY: E. Skyles	**DATE CHECKED:** July 29, 2014
APPROVED BY: E. McNally	**DATE APPROVED:** July 29, 2014

Animas Environmental Services, LLC

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ConocoPhillips
NYE SRC #14
NW¼ SE¼, SECTION 13, T30N, R11W
SAN JUAN COUNTY, NEW MEXICO
N36.80949, W107.93913



Animas Environmental Services, LLC

DRAWN BY: S. Glasses	**DATE DRAWN:** July 29, 2014	**FIGURE 2**
REVISIONS BY: C. Lameman	**DATE REVISED:** July 29, 2014	**AERIAL SITE MAP JULY 2014** ConocoPhillips NYE SRC #14 NW¼ SE¼, SECTION 13, T30N, R11W SAN JUAN COUNTY, NEW MEXICO N36.80949, W107.93913
CHECKED BY: E. Skyles	**DATE CHECKED:** July 29, 2014	
APPROVED BY: E. McNally	**DATE APPROVED:** July 29, 2014	

FIGURE 3

RELEASE ASSESSMENT SAMPLE LOCATIONS AND RESULTS JULY AND AUGUST 2014

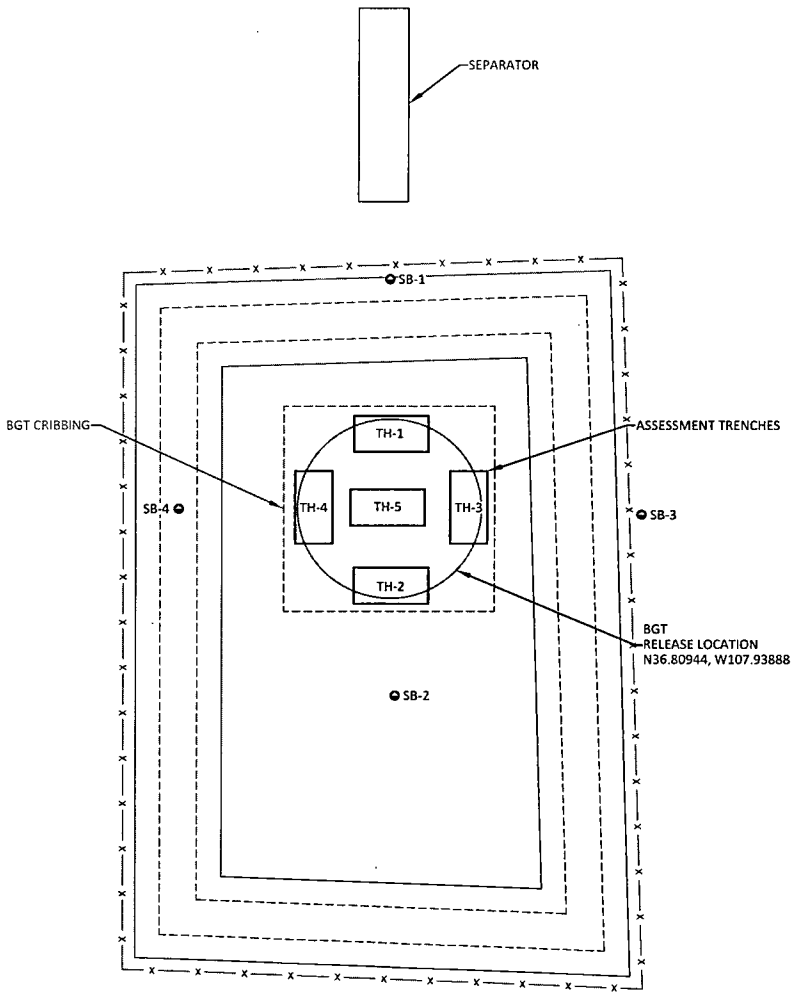
ConocoPhillips
NYE SRC #14
NW¼ SE¼, SECTION 13, T30N, R11W
SAN JUAN COUNTY, NEW MEXICO
N36.80949, W107.93913

Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
TH-1	7/28/14	4.5	23.4	1,060
		7	55.4	>2,500
		15	1,117	1,670
TH-2	7/28/14	4.5	0.5	1,480
		7	0.0	103
TH-3	7/28/14	4.5	0.7	522
		7	0.1	81.0
TH-4	7/28/14	4.5	1.0	174
		7	21.6	1,890
		10	3.2	1,130
TH-5	7/28/14	4.5	1.1	397
		7	0.6	36.2
SB-1	8/11/14	5	0.2	22.6
		7	0.1	28.2
		12.5	0.7	48.9
SB-2	8/11/14	5	1.2	26.8
		7	0.7	37.9
SB-3	8/11/14	5	0.3	33.7
		7	0.2	NA
SB-4	8/11/14	5	0.1	NA
		7	0.3	26.8
		12.5	0.1	28.2

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)
NMOCD ACTION LEVEL			10	50	100	
TH-1	7/28/14	15	<0.076	10	580	880

THE SAMPLE WAS ANALYZED PER USEPA METHOD 8021B AND 8015D.



Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
C. Lameman	August 12, 2014
REVISIONS BY:	**DATE REVISED:**
C. Lameman	August 12, 2014
CHECKED BY:	**DATE CHECKED:**
E. Skyles	August 12, 2014
APPROVED BY:	**DATE APPROVED:**
E. McNally	August 12, 2014

LEGEND

- SOIL BORING LOCATIONS
- SECONDARY CONTAINMENT BERM
- —x— FENCE

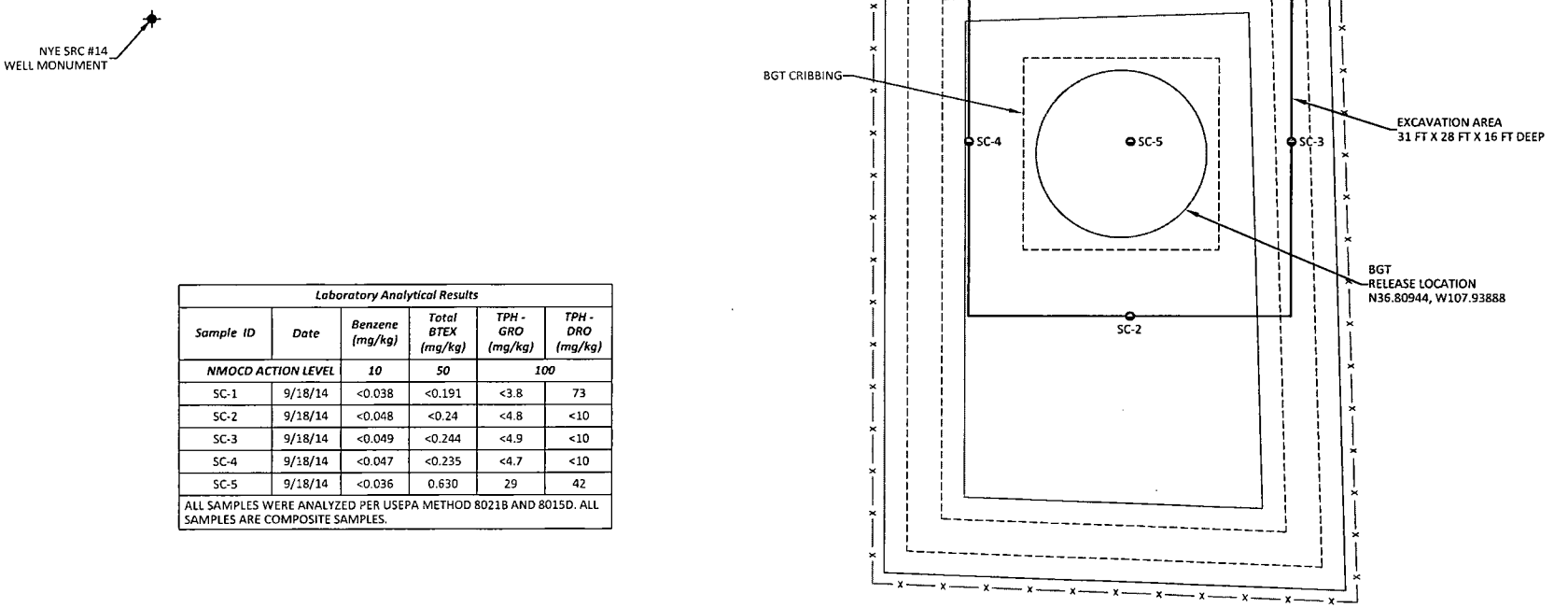
SCALE
10 5 0 10
2
(1 INCH = 10 FEET)

FIGURE 4

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS
SEPTEMBER 2014
ConocoPhillips
NYE SRC #14
NW¼ SE¼, SECTION 13, T30N, R11W
SAN JUAN COUNTY, NEW MEXICO
N36.80949, W107.93913

Field Sampling Results				
Sample ID	*Date*	*Depth (ft)*	*OVM-PID (ppm)*	*TPH (mg/kg)*
	NMOCD ACTION LEVEL		*100*	*100*
SC-1	9/18/14	1 to 16	**103**	**103**
SC-2	9/18/14	1 to 16	19.5	32.8
SC-3	9/18/14	1 to 16	12.6	55.1
SC-4	9/18/14	1 to 16	34.8	44.0
SC-5	9/18/14	16	**1,025**	80.3
ALL SAMPLES ARE COMPOSITE SAMPLES.				

Laboratory Analytical Results					
Sample ID	*Date*	*Benzene (mg/kg)*	*Total BTEX (mg/kg)*	*TPH - GRO (mg/kg)*	*TPH - DRO (mg/kg)*
NMOCD ACTION LEVEL		*10*	*50*	*100*	
SC-1	9/18/14	<0.038	<0.191	<3.8	73
SC-2	9/18/14	<0.048	<0.24	<4.8	<10
SC-3	9/18/14	<0.049	<0.244	<4.9	<10
SC-4	9/18/14	<0.047	<0.235	<4.7	<10
SC-5	9/18/14	<0.036	0.630	29	42
ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 8015D. ALL SAMPLES ARE COMPOSITE SAMPLES.					



Animas Environmental Services, LLC

DRAWN BY: S. Glasses	**DATE DRAWN:** September 18, 2014
REVISIONS BY: C. Lameman	**DATE REVISED:** September 18, 2014
CHECKED BY: E. Skyles	**DATE CHECKED:** September 18, 2014
APPROVED BY: E. McNally	**DATE APPROVED:** September 18, 2014

LEGEND

- SAMPLE LOCATIONS
- SECONDARY CONTAINMENT BERM
- —x— FENCE

N

SCALE
10 6 0 10
2
(1 INCH = 10 FEET)

AES Field Sampling Report

Animas Environmental Services, LLC

Client: ConocoPhillips

Project Location: Nye SRC #14

Date: 7/28/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
TH-1 @ 4.5'	7/28/2014	14:20	23.4	1,058	15:19	20.0	1	SAH
TH-1 @ 7'	7/28/2014	16:20	55.4	>2,500	16:47	20.0	1	SAH
TH-1 @ 15'	7/28/2014	17:35	1,117	1,673	17:58	20.0	1	SAH
TH-2 @ 4.5'	7/28/2014	14:22	0.5	1,481	15:22	20.0	1	SAH
TH-2 @ 7'	7/28/2014	16:00	0.0	103	16:15	20.0	1	SAH
TH-3 @ 4.5'	7/28/2014	14:24	0.7	522	15:25	20.0	1	SAH
TH-3 @ 7'	7/28/2014	16:22	0.1	81.0	16:50	20.0	1	SAH
TH-4 @ 4.5'	7/28/2014	14:26	1.0	174	15:27	20.0	1	SAH
TH-4 @ 7'	7/28/2014	16:24	21.6	1,891	16:53	20.0	1	SAH
TH-4 @ 10'	7/28/2014	17:30	3.2	1,127	17:55	20.0	1	SAH
TH-5 @ 4.5'	7/28/2014	14:28	1.1	397	15:30	20.0	1	SAH
TH-5 @ 7'	7/28/2014	16:26	0.6	36.2	16:56	20.0	1	SAH

Report Finalized: 7/28/14

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials

DF Dilution Factor
NA Not Analyzed
PQL Practical Quantitation Limit
**Field TPH concentrations recorded may be below PQL.*

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Stephanie L. Hinds

AES Field Sampling Report

Animas Environmental Services, LLC

Client: ConocoPhillips

Project Location: Nye SRC #14

Date: 8/11/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 5'	8/11/2014	9:41	0.2	22.6	10:20	20.0	1	EMS
SB-1 @ 7'	8/11/2014	9:45	0.1	28.2	10:23	20.0	1	EMS
SB-1 @ 12.5	8/11/2014	11:14	0.7	48.9	11:22	20.0	1	EMS
SB-2 @ 5'	8/11/2014	10:23	1.2	26.8	10:48	20.0	1	EMS
SB-2 @ 7'	8/11/2014	10:30	0.7	37.9	10:51	20.0	1	EMS
SB-3 @ 5'	8/11/2014	10:05	0.3	33.7	10:53	20.0	1	EMS
SB-3 @ 7'	8/11/2014	10:10	0.2	*Not Analyzed for TPH*				
SB-4 @ 5'	8/11/2014	9:52	0.1	*Not Analyzed for TPH*				
SB-4 @ 7'	8/11/2014	9:57	0.3	26.8	10:26	20.0	1	EMS
SB-4 @ 12.5	8/11/2014	11:38	0.1	28.2	11:55	20.0	1	EMS

DF Dilution Factor
NA Not Analyzed
PQL Practical Quantitation Limit

Total Petroleum Hydrocarbons - USEPA 418.1

Report Finalized: 8/11/14

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials

**Field TPH concentrations recorded may be below PQL.*

Analyst:

AES Field Sampling Report

Animas Environmental Services, LLC

Client: ConocoPhillips

Project Location: Nye SRC #14

Date: 9/18/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	9/18/2014	10:50	103	103	11:23	20.0	1	EMS
SC-2	9/18/2014	9:27	19.5	32.8	10:35	20.0	1	EMS
SC-3	9/18/2014	10:55	12.6	55.1	11:25	20.0	1	EMS
SC-4	9/18/2014	9:35	34.8	44.0	10:37	20.0	1	EMS
SC-5	9/18/2014	9:29	1,025	80.3	10:33	20.0	1	EMS

DF Dilution Factor
NA Not Analyzed
PQL Practical Quantitation Limit
**Field TPH concentrations recorded may be below PQL.*

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Emily Sky

Report Finalized: 9/18/14

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

July 31, 2014

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

RE: CoP Nye SRC #14 OrderNo.: 1407D67

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/30/2014 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 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.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1407D67**
Date Reported: **7/31/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP Nye SRC #14
Lab ID: 1407D67-001

Client Sample ID: TH-1 @ 15'
Collection Date: 7/28/2014 5:35:00 PM
Matrix: MEOH (SOIL) **Received Date:** 7/30/2014 6:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	880	100		mg/Kg	10	7/30/2014 1:35:02 PM	14492
Surr: DNOP	0	57.9-140	S	%REC	10	7/30/2014 1:35:02 PM	14492
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	580	15		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Surr: BFB	1700	80-120	S	%REC	5	7/30/2014 2:07:54 PM	R20250
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.076		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Toluene	ND	0.15		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Ethylbenzene	ND	0.15		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Xylenes, Total	10	0.30		mg/Kg	5	7/30/2014 2:07:54 PM	R20250
Surr: 4-Bromofluorobenzene	248	80-120	S	%REC	5	7/30/2014 2:07:54 PM	R20250

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#: **1407D67**

31-Jul-14

Client: Animas Environmental

Project: CoP Nye SRC #14

Sample ID **MB-14492**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **14492**	RunNo: **20232**
Prep Date: **7/30/2014**	Analysis Date: **7/30/2014**	SeqNo: **588345** 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	10		10.00		102	57.9	140			

Sample ID **LCS-14492**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **14492**	RunNo: **20232**
Prep Date: **7/30/2014**	Analysis Date: **7/30/2014**	SeqNo: **588346** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.1	68.6	130			
Surr: DNOP	4.7		5.000		94.8	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#: **1407D67**

31-Jul-14

Client: Animas Environmental

Project: CoP Nye SRC #14

Sample ID	**MB-14473**	SampType: **MBLK**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID: **14473**			RunNo: **20250**					
Prep Date:	**7/29/2014**	Analysis Date: **7/30/2014**			SeqNo: **588715**		Units: **%REC**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		870		1000		87.0	80	120			

Sample ID	**LCS-14473**	SampType: **LCS**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID: **14473**			RunNo: **20250**					
Prep Date:	**7/29/2014**	Analysis Date: **7/30/2014**			SeqNo: **588716**		Units: **%REC**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		980		1000		97.8	80	120			

Sample ID	**MB-14473 MK**	SampType: **MBLK**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID: **R20250**			RunNo: **20250**					
Prep Date:		Analysis Date: **7/30/2014**			SeqNo: **588721**		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		870		1000		87.0	80	120			

Sample ID	**LCS-14473 MK**	SampType: **LCS**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID: **R20250**			RunNo: **20250**					
Prep Date:		Analysis Date: **7/30/2014**			SeqNo: **588722**		Units: **mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		22	5.0	25.00	0	86.0	71.7	134			
Surr: BFB		980		1000		97.8	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
- 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#: **1407D67**

31-Jul-14

Client: Animas Environmental

Project: CoP Nye SRC #14

Sample ID **MB-14473 MK**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R20250**	RunNo: **20250**
Prep Date:	Analysis Date: **7/30/2014**	SeqNo: **588740** 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		102	80	120			

Sample ID **LCS-14473 MK**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R20250**	RunNo: **20250**
Prep Date:	Analysis Date: **7/30/2014**	SeqNo: **588741** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.050	1.000	0	86.8	80	120			
Toluene	0.86	0.050	1.000	0	86.1	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 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

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: 1407D87 RcptNo: 1

Received by/date: 07/30/14

Logged By: Lindsay Mangin 7/30/2014 6:45:00 AM

Completed By: Lindsay Mangin 7/30/2014 7:35:41 AM

Reviewed By: 07/30/14

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 ✔	# of preserved bottles checked for pH:
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✔	No ☐	(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ✔	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ✔	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔	No ☐	Checked by:

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services LLC

Mailing Address: 624 E Comanche Farmington NM 87401

Phone #: 505 564 2281

email or Fax#:

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

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush Same day

Project Name: CoP Nye SRC #14

Project #:

Project Manager: D. Watson

Sampler: S. Lynn

On Ice: ☑ Yes ☐ No

Sample Temperature: 2-4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1407D67	Analysis Request: BTEX + ~~Total~~ (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)
7-28-14	1735	Soil	S-1@15'	1-~~Moohk~~ 1-4oz	~~Mooh~~ Gold	-001	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/29/14	1640	Stephanie Hyden	Christine Walker	7/29/14	1640
7/29/14	1724	Christine Walker		07/30/14	0645

Remarks: Bill to ConocoPhillips
WO: 10344118
act code: C200
supervisor: Harry Dee
USER ID: KGARCIA
Area: 3
ordered by: Travis Andrews

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

September 25, 2014

Emilee Skyles
Animas Environmental
624 East Comanche
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: CoP NYE SRC #14 OrderNo.: 1409946

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 5 sample(s) on 9/19/2014 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 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.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1409946**
Date Reported: **9/25/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP NYE SRC #14
Lab ID: 1409946-001 **Matrix:** SOIL

Client Sample ID: SC-1
Collection Date: 9/18/2014 10:50:00 AM
Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	73	10		mg/Kg	1	9/19/2014 12:10:58 PM	15397
Surr: DNOP	89.1	57.9-140		%REC	1	9/19/2014 12:10:58 PM	15397
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Surr: BFB	130	80-120	S	%REC	1	9/19/2014 11:16:33 AM	R21331
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.038		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Toluene	ND	0.038		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Ethylbenzene	ND	0.038		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Xylenes, Total	ND	0.077		mg/Kg	1	9/19/2014 11:16:33 AM	R21331
Surr: 4-Bromofluorobenzene	98.5	80-120		%REC	1	9/19/2014 11:16:33 AM	R21331

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP NYE SRC #14
Lab ID: 1409946-002 **Matrix:** SOIL

Client Sample ID: SC-2
Collection Date: 9/18/2014 9:27:00 AM
Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/23/2014 2:33:06 PM	15397
Surr: DNOP	100	57.9-140		%REC	1	9/23/2014 2:33:06 PM	15397
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/23/2014 9:40:51 PM	15402
Surr: BFB	94.5	80-120		%REC	1	9/23/2014 9:40:51 PM	15402
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	9/23/2014 9:40:51 PM	15402
Toluene	ND	0.048		mg/Kg	1	9/23/2014 9:40:51 PM	15402
Ethylbenzene	ND	0.048		mg/Kg	1	9/23/2014 9:40:51 PM	15402
Xylenes, Total	ND	0.096		mg/Kg	1	9/23/2014 9:40:51 PM	15402
Surr: 4-Bromofluorobenzene	99.5	80-120		%REC	1	9/23/2014 9:40:51 PM	15402

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP NYE SRC #14
Lab ID: 1409946-003 **Matrix:** SOIL

Client Sample ID: SC-3
Collection Date: 9/18/2014 10:55:00 AM
Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/23/2014 3:03:07 PM	15397
Surr: DNOP	99.9	57.9-140		%REC	1	9/23/2014 3:03:07 PM	15397
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/23/2014 10:09:29 PM	15402
Surr: BFB	95.6	80-120		%REC	1	9/23/2014 10:09:29 PM	15402
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.049		mg/Kg	1	9/23/2014 10:09:29 PM	15402
Toluene	ND	0.049		mg/Kg	1	9/23/2014 10:09:29 PM	15402
Ethylbenzene	ND	0.049		mg/Kg	1	9/23/2014 10:09:29 PM	15402
Xylenes, Total	ND	0.097		mg/Kg	1	9/23/2014 10:09:29 PM	15402
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	9/23/2014 10:09:29 PM	15402

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP NYE SRC #14
Lab ID: 1409946-004 **Matrix:** SOIL

Client Sample ID: SC-4
Collection Date: 9/18/2014 9:35:00 AM
Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/23/2014 3:33:22 PM	15397
Surr: DNOP	95.2	57.9-140		%REC	1	9/23/2014 3:33:22 PM	15397
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/23/2014 10:38:07 PM	15402
Surr: BFB	94.7	80-120		%REC	1	9/23/2014 10:38:07 PM	15402
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.047		mg/Kg	1	9/23/2014 10:38:07 PM	15402
Toluene	ND	0.047		mg/Kg	1	9/23/2014 10:38:07 PM	15402
Ethylbenzene	ND	0.047		mg/Kg	1	9/23/2014 10:38:07 PM	15402
Xylenes, Total	ND	0.094		mg/Kg	1	9/23/2014 10:38:07 PM	15402
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	9/23/2014 10:38:07 PM	15402

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP NYE SRC #14
Lab ID: 1409946-005 **Matrix:** SOIL

Client Sample ID: SC-5
Collection Date: 9/18/2014 9:29:00 AM
Received Date: 9/19/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	42	10		mg/Kg	1	9/19/2014 12:32:37 PM	15397
Surr: DNOP	95.0	57.9-140		%REC	1	9/19/2014 12:32:37 PM	15397
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	29	3.6		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Surr: BFB	431	80-120	S	%REC	1	9/19/2014 11:45:08 AM	R21331
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.036		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Toluene	0.060	0.036		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Ethylbenzene	ND	0.036		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Xylenes, Total	0.57	0.072		mg/Kg	1	9/19/2014 11:45:08 AM	R21331
Surr: 4-Bromofluorobenzene	118	80-120		%REC	1	9/19/2014 11:45:08 AM	R21331

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#: **1409946**

25-Sep-14

Client: Animas Environmental

Project: CoP NYE SRC #14

Sample ID **MB-15363**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **15363**	RunNo: **21269**
Prep Date: **9/18/2014**	Analysis Date: **9/18/2014**	SeqNo: **620601** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	57.9	140			

Sample ID **LCS-15363**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **15363**	RunNo: **21269**
Prep Date: **9/18/2014**	Analysis Date: **9/18/2014**	SeqNo: **620602** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		104	57.9	140			

Sample ID **MB-15397**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **15397**	RunNo: **21309**
Prep Date: **9/19/2014**	Analysis Date: **9/19/2014**	SeqNo: **622102** 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	8.6		10.00		86.2	57.9	140			

Sample ID **LCS-15397**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **15397**	RunNo: **21309**
Prep Date: **9/19/2014**	Analysis Date: **9/19/2014**	SeqNo: **622103** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.9	68.6	130			
Surr: DNOP	4.3		5.000		85.6	57.9	140			

Sample ID **LCS-15369**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **15369**	RunNo: **21309**
Prep Date: **9/18/2014**	Analysis Date: **9/19/2014**	SeqNo: **622110** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	57.9	140			

Sample ID **MB-15369**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **15369**	RunNo: **21309**
Prep Date: **9/18/2014**	Analysis Date: **9/19/2014**	SeqNo: **622115** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.9		10.00		89.3	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#: **1409946**

25-Sep-14

Client: Animas Environmental

Project: CoP NYE SRC #14

Sample ID **1409878-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **BatchQC**	Batch ID: **15369**	RunNo: **21309**
Prep Date: **9/18/2014**	Analysis Date: **9/19/2014**	SeqNo: **623164** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		4.975		103	57.9	140			

Sample ID **1409878-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **BatchQC**	Batch ID: **15369**	RunNo: **21309**
Prep Date: **9/18/2014**	Analysis Date: **9/19/2014**	SeqNo: **623165** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.1		4.955		143	57.9	140	0	0	S

Sample ID **1409854-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **BatchQC**	Batch ID: **15363**	RunNo: **21369**
Prep Date: **9/18/2014**	Analysis Date: **9/22/2014**	SeqNo: **624223** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		4.931		90.7	57.9	140			

Sample ID **1409854-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **BatchQC**	Batch ID: **15363**	RunNo: **21369**
Prep Date: **9/18/2014**	Analysis Date: **9/22/2014**	SeqNo: **624224** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		4.970		96.5	57.9	140	0	0	

Sample ID **1409946-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **SC-2**	Batch ID: **15397**	RunNo: **21369**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624251** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	9.9	49.65	0	115	40.1	152			
Surr: DNOP	5.0		4.965		99.8	57.9	140			

Sample ID **1409946-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **SC-2**	Batch ID: **15397**	RunNo: **21369**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624424** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	9.9	49.70	0	109	40.1	152	4.80	32.1	
Surr: DNOP	4.8		4.970		97.5	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#: **1409946**

25-Sep-14

Client: Animas Environmental

Project: CoP NYE SRC #14

Sample ID **MB-15381 MK**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R21331**	RunNo: **21331**
Prep Date:	Analysis Date: **9/19/2014**	SeqNo: **622476** 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	920		1000		91.9	80	120			

Sample ID **LCS-15381 MK**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R21331**	RunNo: **21331**
Prep Date:	Analysis Date: **9/19/2014**	SeqNo: **622477** 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	109	65.8	139			
Surr: BFB	1000		1000		100	80	120			

Sample ID **MB-15402**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **15402**	RunNo: **21377**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624781** 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		94.0	80	120			

Sample ID **LCS-15402**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **15402**	RunNo: **21377**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624782** 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	104	65.8	139			
Surr: BFB	1100		1000		108	80	120			

Sample ID **1409946-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SC-2**	Batch ID: **15402**	RunNo: **21377**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624785** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.04	0	97.2	71.8	132			
Surr: BFB	1000		961.5		104	80	120			

Sample ID **1409946-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SC-2**	Batch ID: **15402**	RunNo: **21377**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624787** Units: **mg/Kg**

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

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#: **1409946**

25-Sep-14

Client: Animas Environmental

Project: CoP NYE SRC #14

Sample ID **1409946-002AMSD** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **SC-2** Batch ID: **15402** RunNo: **21377**

Prep Date: **9/19/2014** Analysis Date: **9/23/2014** SeqNo: **624787** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.02	0	96.4	71.8	132	0.881	20	
Surr: BFB	990		960.6		103	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1409946**

25-Sep-14

Client: Animas Environmental

Project: CoP NYE SRC #14

Sample ID **MB-15381 MK**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R21331**	RunNo: **21331**
Prep Date:	Analysis Date: **9/19/2014**	SeqNo: **622652** 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	0.99		1.000		98.9	80	120			

Sample ID **LCS-15381 MK**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R21331**	RunNo: **21331**
Prep Date:	Analysis Date: **9/19/2014**	SeqNo: **622653** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.050	1.000	0	97.8	80	120			
Toluene	0.96	0.050	1.000	0	96.4	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.8	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID **MB-15402**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **15402**	RunNo: **21377**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624799** 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-15402**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **15402**	RunNo: **21377**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624800** 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	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	105	80	120			
Xylenes, Total	3.1	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	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
- 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#: **1409946**

25-Sep-14

Client: Animas Environmental

Project: CoP NYE SRC #14

Sample ID **1409946-003AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SC-3**	Batch ID: **15402**	RunNo: **21377**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624803** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.049	0.9737	0	88.4	77.4	142			
Toluene	0.86	0.049	0.9737	0	88.6	77	132			
Ethylbenzene	0.89	0.049	0.9737	0	91.9	77.6	134			
Xylenes, Total	2.7	0.097	2.921	0	90.9	77.4	132			
Surr: 4-Bromofluorobenzene	1.1		0.9737		110	80	120			

Sample ID **1409946-003AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SC-3**	Batch ID: **15402**	RunNo: **21377**
Prep Date: **9/19/2014**	Analysis Date: **9/23/2014**	SeqNo: **624804** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.048	0.9615	0	95.5	77.4	142	6.48	20	
Toluene	0.93	0.048	0.9615	0	97.2	77	132	8.03	20	
Ethylbenzene	0.96	0.048	0.9615	0	99.9	77.6	134	7.17	20	
Xylenes, Total	2.9	0.096	2.885	0	100	77.4	132	8.50	20	
Surr: 4-Bromofluorobenzene	1.0		0.9615		109	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

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: 1409946 RcptNo: 1

Received by/date: AT 09/19/14

Logged By: Anne Thorne 9/19/2014 7:00:00 AM

Completed By: Anne Thorne 9/19/2014

Reviewed By: MG 09/19/14

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	1.9	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 Pinon
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: #See Remarks#
☒ Standard ☒ Rush Same Day

Project Name: CoP NYE SRC #14

Project #:

Project Manager: E. Skyles

Sampler: E. Skyles

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1409946	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)
9/18	10:50	Soil	SC-1	1-4oz MeOH kit	cool MeOH	-001	X		X													
9/18	9:27	Soil	SC-2	1-4oz	cool	-002	X		X													
9/18	10:55	Soil	SC-3	1-4oz	cool	-003	X		X													
9/18	9:35	Soil	SC-4	1-4oz	cool	-004	X		X													
9/18	9:29	Soil	SC-5	1-4oz MeOH kit	cool MeOH	-005	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/18/14	1810			9/18/14	1810
9/18/14	1857			09/19/14	0700

Remarks: Please Rush SC-1 and SC-5. SC-2 through SC-4 can be processed at the Standard TAT.

WO#: 2032374
SUPERVISOR: MIKE SMITH
USER: KGARCIA

AREA: 3
ACT. CODE: DFGO
DROPPED BY: KELLY ELLIS

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.