District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **ConocoPhillips Company**	Contact **Ashley Maxwell**
Address **3401 E. 30th St., Farmington, NM 87402**	Telephone No. **505-324-5169**
Facility Name **San Juan 29-6 Unit #301 SWD**	Facility Type **Salt Water Disposal**

Surface Owner **State**	Mineral Owner **State**	API No. **3003924807**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	**02**	**29N**	**06W**	**350'**	**South**	**350'**	**East**	**Rio Arriba**

Latitude 36.74824 **Longitude** -107.42393

NATURE OF RELEASE

Type of Release **Produced Water** **Slop Oil**	Volume of Release **Produced Water- 9 BBL** **Slop Oil- 1 BBL**	Volume Recovered **Produced Water- 7.5 BBL** **Slop Oil- 0.5 BBL**
Source of Release **Offload Tanks**	Date and Hour of Occurrence **5/23/2012 @ 3:55 PM**	Date and Hour of Discovery **5/23/2012 @ 4:00 PM**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Brandon Powell – NMOCD** **Mark Kelly – BLM FFO**	RCVD JAN 16 '13
By Whom? **Ashley Maxwell**	Date and Hour **NMOCD – 5/24/2012 @ 1:06 PM** **BLM FFO – 5/24/2012 @ 1:09 PM**	OIL CONS. DIV. DIST. 3
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* **Main power supply box tripped leaving the ESD valve open allowing a water truck to continue to offload into the tanks. With no power to the transmitter, the tank level was unknown and the PCL was unable to move water causing a release of 9 BBL produced water and 1 BBL slop oil.**

Describe Area Affected and Cleanup Action Taken.*
The majority of fluid remained within in the berm and approximately 7.5 BBL of produced water and 0.5 BBL slop oil were recovered from the berm. Due to high winds there was an overspray that left location. Overspray did not contact vegetation. COPC will have a third party conduct soil and vegetation assessments to include the spill and overspray areas. **Excavation was required based on NMOCD Guidelines for Remediation of Leaks, Spills and Releases. The excavation was 40'X35'X3' and 144 yds^3 of soil was transported to a third party land farm. Excavation and confirmation sampling occurred. Analytical results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; therefore no further action is needed.**

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

Signature:	OIL CONSERVATION DIVISION Approved by Environmental Specialist:
Printed Name: **Ashley Maxwell**	
Title: **Field Environmental Specialist**	Approval Date: 1/30/2013 Expiration Date:
E-mail Address: **ashley.p.wethington@conocophillips.com**	Conditions of Approval: Attached ☐
Date: **January 9, 2013** Phone: **505-324-5169**	

* Attach Additional Sheets If Necessary

nJK1303028012

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3274

December 28, 2012

Ashley Maxwell
ConocoPhillips
San Juan Business Unit
Office 216-2
5525 Hwy 64
Farmington, New Mexico 87401

RE: Initial Release Assessment and Final Excavation Report
San Juan 29-6 #301 SWD
Rio Arriba County, New Mexico

Dear Ms. Maxwell:

On May 31 and November 8, 2012, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) San Juan 29-6 #301 SWD, located in Rio Arriba County, New Mexico. Approximately nine barrels (bbls) of produced water and one barrel of oil were released at the off load tanks. The initial release assessment was completed by AES on May 31, 2012. The final excavations were completed by CoP contractors prior to AES' arrival at the location on November 8, 2012.

1.0 Site Information

1.1 Location

Site Name – San Juan 29-6 #301 SWD
Location - SE¼ SE¼, Section 2, T29N, R6W, Rio Arriba County, New Mexico
Well/Facility Latitude/Longitude - N36.74824 and W107.42393, respectively
Release Latitude/Longitude – N36.74798 and W107.42465, respectively
Land Jurisdiction – State
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a Cathodic Protection Report dated February 1992 for the San Juan 29-6 #301 SWD reported the depth to groundwater as 160 feet below ground surface (bgs). The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within

1,000 feet of the location. Additionally, Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (http://ford.nmt.edu/react/project.html) were accessed to aid in the identification of downgradient surface water.

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. An unnamed wash is located approximately 250 feet northeast of the location. Based on this information, the location was assessed a ranking score of 10 per the NMOCD *Guidelines for Leaks, Spills, and Releases* (1993).

1.3 Assessments

AES was initially contacted by Ashley Maxwell of CoP on May 30, 2012, and on May 31, 2012, Tami Ross and Zachary Trujillo of AES completed the release assessment field work. The assessment included collection and field screening of 12 soil samples from eight soil borings (SB-1 through SB-8) in and near the release location. Based on the field screening results, AES recommended an area of excavation for the release area. Sample locations are shown on Figure 3.

On November 8, 2012, AES returned to the location to collect confirmation soil samples of the excavation. The field screening activities included collection of six confirmation soil samples (SC-1 through SC-6) of the walls and bases from two excavations. Composite samples SC-1 through SC-5 were collected from the four walls and base of the excavation in the area of the former off load tanks. The final excavation associated with the former off load tanks was approximately 35 feet by 20 feet by 3 feet in depth. Sample SC-6 was composited from equal portions of the four walls and base of the excavation located within the area of the former 500 bbl tank. The final excavation located within the area of the former 500 bbl tank was approximately 15 feet by 15 feet by 2 feet in depth. Sample locations and final excavation extents are shown on Figure 4.

2.0 Soil Sampling

A total of 12 soil samples from SB-1 through SB-8 and six 5-point composite samples (SC-1 through SC-6) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for TPH. Soil samples collected during the initial assessment (SB-1 through SB-5) were also submitted for laboratory analysis.

2.1 Field Screening

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 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. Soil samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8260B.

A waste characterization sample (SC-1, May 2012) was laboratory analyzed for TCLP-Resource Conservation Recovery Act (RCRA) 8 metals including arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver per USEPA Method 6010B.

2.3 Field Screening and Laboratory Analytical Results

On May 31, 2012, initial assessment field screening readings for VOCs via OVM ranged from 5.6 ppm in SB-4 and SB-7 up to 2,238 ppm in SB-5. Field TPH concentrations ranged from 325 mg/kg in SB-4 up to 11,900 mg/kg in SB-3. Oil absorbent was used in SB-3 at 1 foot to absorb free water and oil observed during the advancement of the boring.

On November 8, 2012, final excavation field screening results for VOCs via OVM ranged from 7.6 ppm in SC-6 to 62.2 ppm in SC-5. Field TPH concentrations ranged from 86.0 mg/kg in SC-6 up to 885 mg/kg in SC-5. Results are included below in Table 1 and on Figures 3 and 4. AES field screening reports are attached.

Table 1. Soil Field Screening VOCs and TPH Results
San Juan 29-6 #301 SWD Initial Release Assessment and Final Excavations
May and November 2012

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
	*NMOCD Action Level**		*100*	*1,000*
SB-1	5/31/12	1	**101**	430
SB-2	5/31/12	1	**738**	437
SB-3	5/31/12	1	NA	NA
		2	**1,627**	**11,900**
		4	**1,961**	**2,400**
SB-4	5/31/12	1	5.6	325
SB-5	5/31/12	1	**2,238**	**11,200**
		2	**574**	**1,920**
SB-6	5/31/12	1	18.2	509
		2	12.1	489
SB-7	5/31/12	1	5.6	693
SB-8	5/31/12	1	43.0	798
SC-1	11/8/12	0.5 to 3	9.5	143
SC-2	11/8/12	0.5 to 3	10.1	469
SC-3	11/8/12	0.5 to 3	16.1	174
SC-4	11/8/12	0.5 to 3	14.8	247
SC-5	11/8/12	3	62.2	885
SC-6	11/8/12	0.5 to 2	7.6	86.0

NA – Not Analyzed
*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993)

Laboratory analyses for SB-1 through SB-5 were used to confirm field screening results from the initial assessment. Benzene concentrations were reported below laboratory detection limits in all samples. Total BTEX concentrations ranged from less than 1.07 mg/kg in SB-1 up to 6.5 mg/kg in SB-3. Results are presented in Table 2 and on Figure 3. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Benzene and Total BTEX
San Juan 29-6 #301 SWD Initial Release Assessment, May 2012

Sample ID	*Date Sampled*	*Sample Depth (ft bgs)*	*Benzene (mg/kg)*	*Total BTEX (mg/kg)*
*NMOCD Action Level**			*10*	*50*
SB-1	5/31/12	1	<0.097	<1.07
SB-2	5/31/12	1	<0.25	1.2
SB-3	5/31/12	2	<0.25	6.5
SB-4	5/31/12	1	<0.25	<1.25
SB-5	5/31/12	2	<0.50	1.2

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

3.0 Conclusions and Recommendations

On May 31, 2012, AES conducted an initial assessment for a release from the off load tanks at the San Juan 29-6 #301 SWD. 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 score of 10. Field screening results above the NMOCD action level for VOCs (100 ppm) were reported in SB-1, SB-2, SB-3, and SB-5, with the highest VOC concentration reported in SB-5 with 2,238 ppm. Field screening results also showed TPH concentrations above the NMOCD action level of 1,000 mg/kg in SB-3 and SB-5. The highest field TPH concentration was reported in SB-3 with 11,900 mg/kg. Free water and oil were observed within SB-3 during site work. Laboratory analyses collected on May 31, 2012, reported benzene and total BTEX concentrations below the applicable NMOCD action levels in SB-1 through SB-5.

On November 8, 2012, final clearance of two areas of excavation was completed. Field screening results of both excavation extents showed that VOC and TPH concentrations were below applicable NMOCD action levels for all of the final walls and base of each excavation.

Based on final field screening results of the excavations of petroleum contaminated soils at the San Juan 29-6 #301 SWD, VOC and TPH concentrations were below applicable NMOCD action levels. No further work is recommended.

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

Heather M. Woods

Heather M. Woods
Staff Geologist

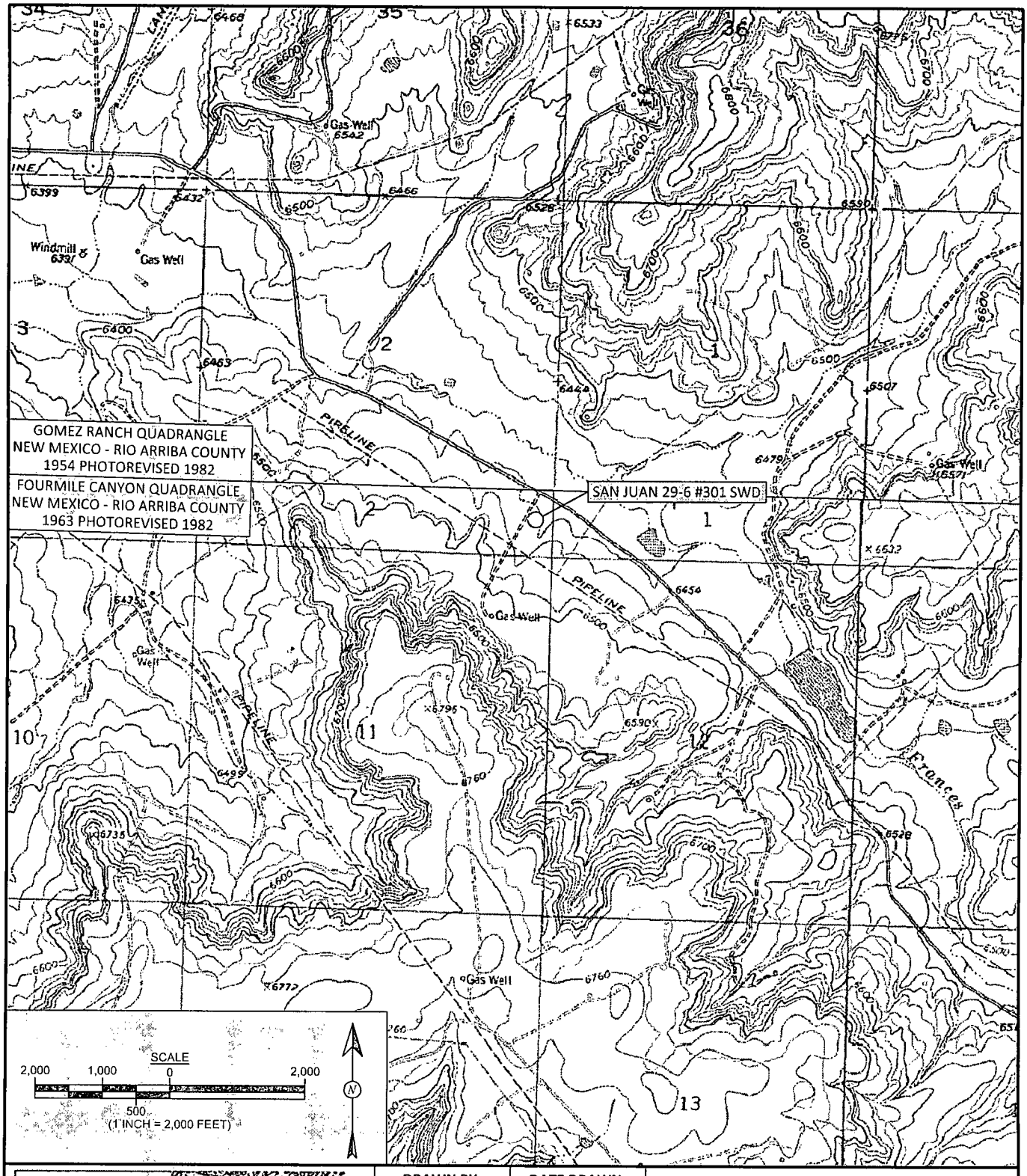
Elizabeth McNally

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map
Figure 3. Initial Assessment Soil Sample Locations and Results, May 2012
Figure 4. Final Excavation Soil Sample Locations and Results, November 2012
AES Field Screening Report 053112
AES Field Screening Report 110812
Hall Laboratory Analytical Report 1206021

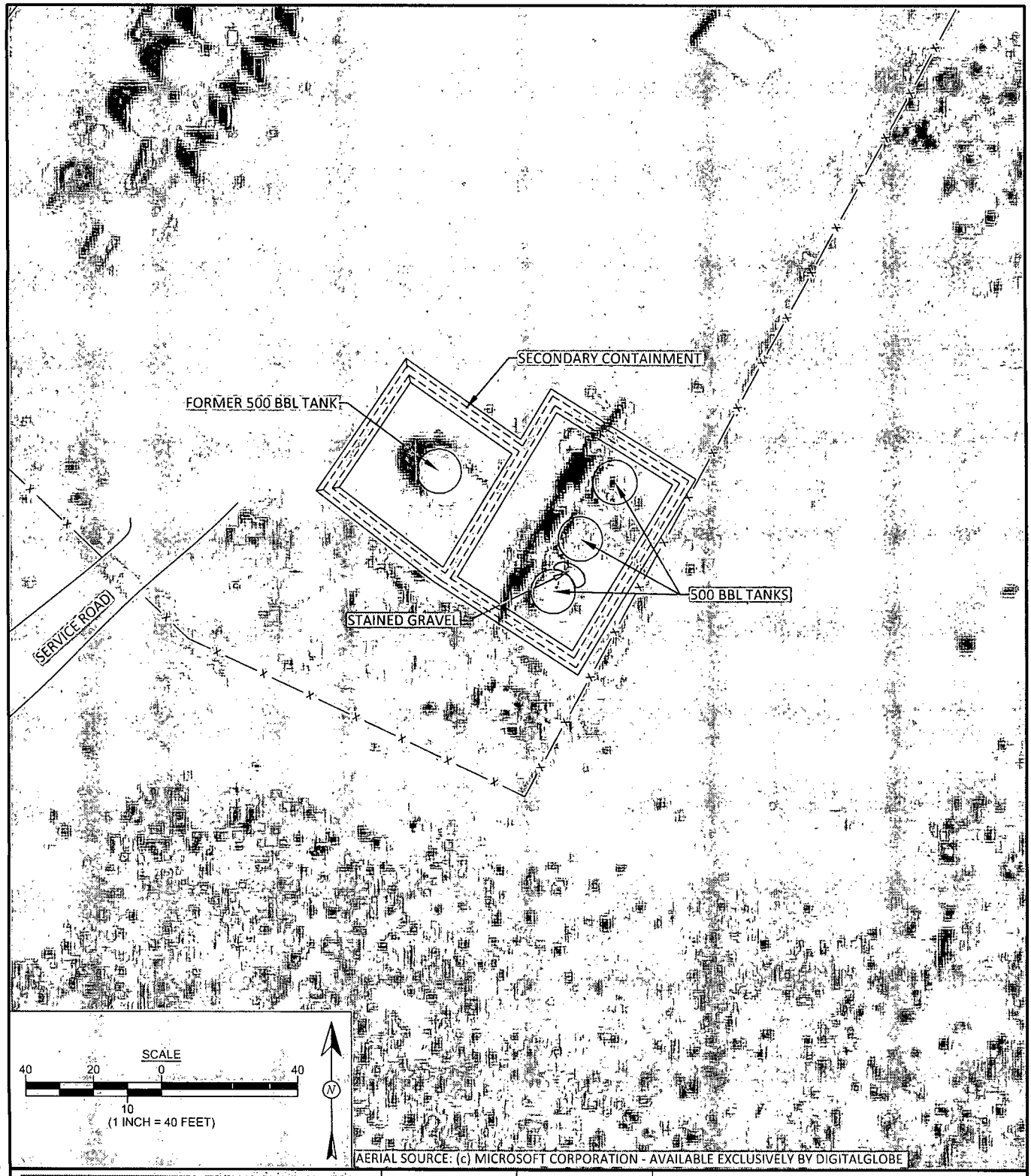
R:\Animas 2000\Dropbox\2012 December 2012\ConocoPhillips\SJ 29-6 #301 SWD\SJ 29-6 #301 SWD Initial Release Assessment and Final Excavation Report 122812.docx



Animas Environmental Services, LLC	**DRAWN BY:** C. Lameman	**DATE DRAWN:** June 1, 2012
	REVISIONS BY: C. Lameman	**DATE REVISED:** December 20, 2012
	CHECKED BY: D. Watson	**DATE CHECKED:** December 20, 2012
	APPROVED BY: E. McNally	**DATE APPROVED:** December 20, 2012

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ConocoPhillips
SAN JUAN 29-6 #301 SWD
RIO ARRIBA COUNTY, NEW MEXICO
SE¼ SE¼, SECTION 2, T29N, R6W
N36.74824, W107.42393



AERIAL SOURCE: (c) MICROSOFT CORPORATION - AVAILABLE EXCLUSIVELY BY DIGITALGLOBE

Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** June 1, 2012
REVISIONS BY: C. Lameman	**DATE REVISED:** December 20, 2012
CHECKED BY: D. Watson	**DATE CHECKED:** December 20, 2012
APPROVED BY: E. McNally	**DATE APPROVED:** December 20, 2012

FIGURE 2

AERIAL SITE MAP
ConocoPhillips
SAN JUAN 29-6 #301 SWD
RIO ARRIBA COUNTY, NEW MEXICO
SE¼ SE¼, SECTION 2, T29N, R6W
N36.74824, W107.42393

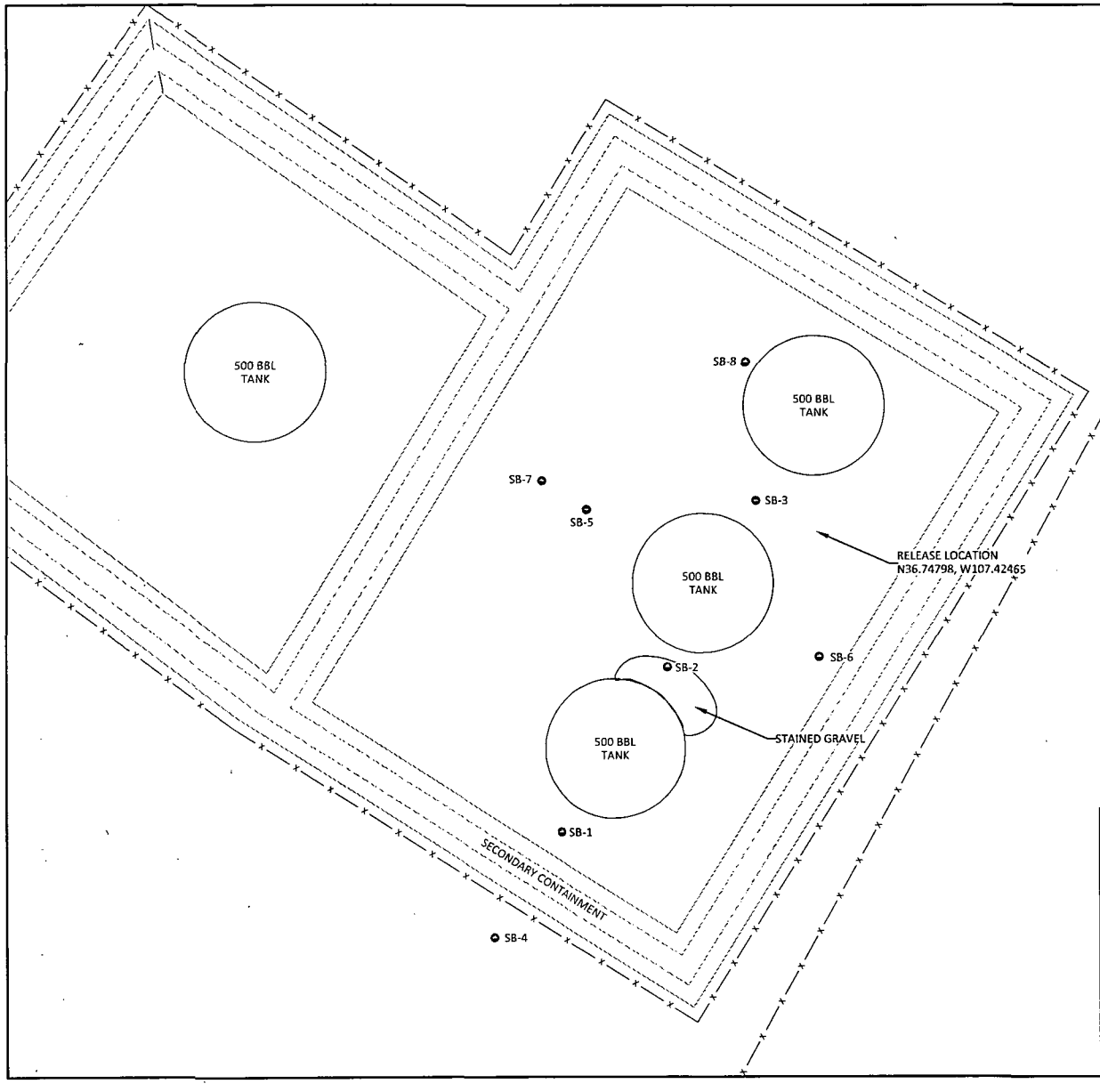


FIGURE 3

INITIAL ASSESSENT SAMPLE LOCATIONS AND RESULTS MAY 2012

ConocoPhillips
SAN JUAN 29-6 #301 SWD
RIO ARRIBA COUNTY, NEW MEXICO
SE¼ SE¼, SECTION 2, T29N, R6W
N36.74824, W107.42393

Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
C. Lameman	June 1, 2012
REVISIONS BY:	**DATE REVISED:**
C. Lameman	December 20, 2012
CHECKED BY:	**DATE CHECKED:**
D. Watson	December 20, 2012
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 20, 2012

LEGEND

- SAMPLE LOCATIONS
- —x— FENCE

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

Field Screening Results

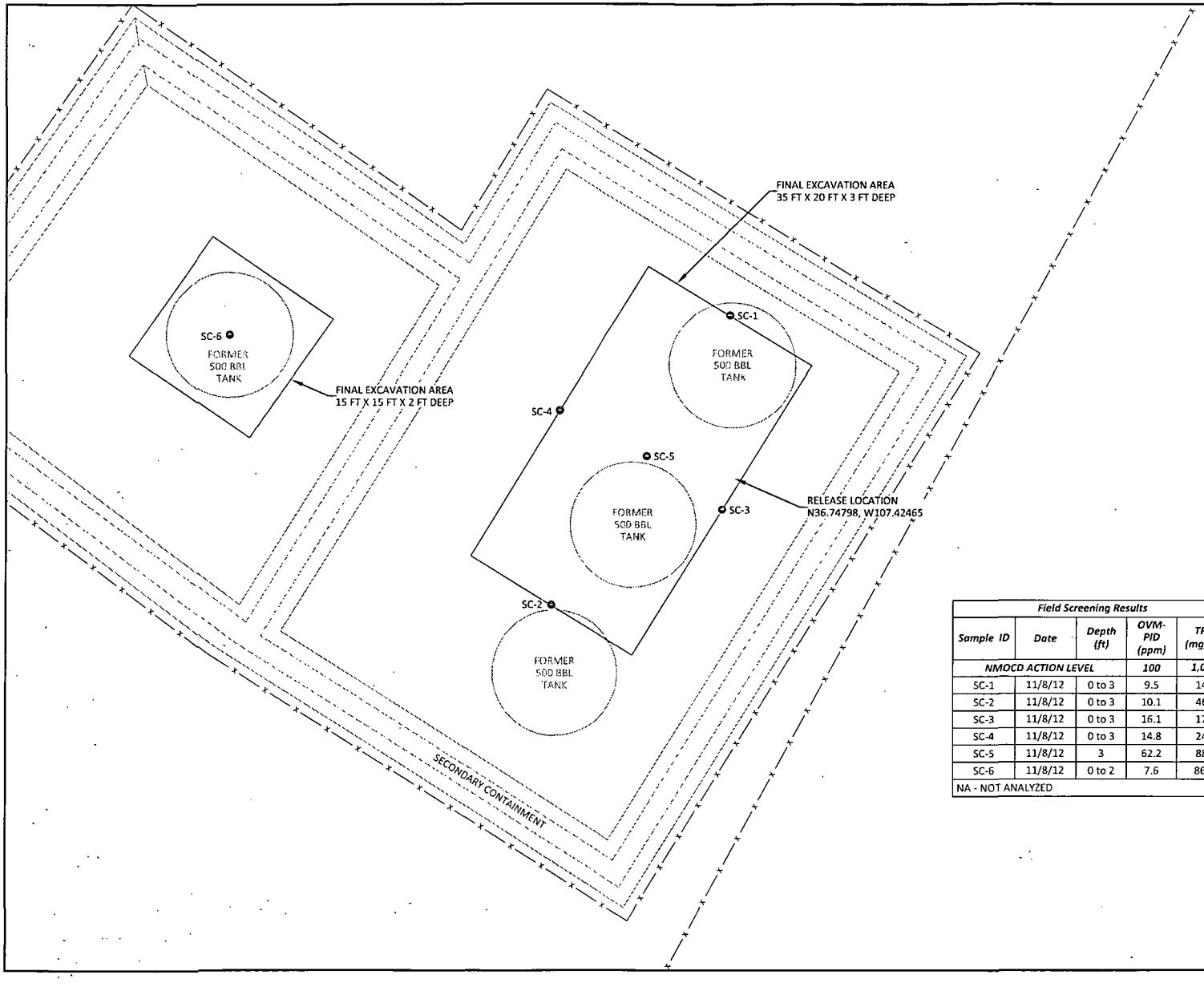
Sample ID	*Date*	*Depth (ft)*	*OVM-PID (ppm)*	*TPH (mg/kg)*
NMOCD ACTION LEVEL			*100*	*1,000*
SB-1	5/31/12	1	**101**	430
SB-2	5/31/12	1	**738**	437
SB-3	5/31/12	1	NA	NA
		2	**1,627**	**11,900**
		4	**1,961**	2,401
SB-4	5/31/12	1	5.6	325
SB-5	5/31/12	1	**2,238**	**11,200**
		2	**574**	1,920
SB-6	5/31/12	1	18.2	509
		2	12.1	489
SB-7	5/31/12	1	5.6	693
SB-8	5/31/12	1	43.0	798

NA - NOT ANALYZED

Laboratory Analytical Results

Sample ID	*Date*	*Depth (ft)*	*Benzene (mg/kg)*	*BTEX (mg/kg)*
NMOCD ACTION LEVEL			*10*	*50*
SB-1	5/31/12	1	<0.097	<1.1
SB-2	5/31/12	1	<0.25	1.2
SB-3	5/31/12	2	<0.25	6.5
SB-4	5/31/12	1	<0.50	<1.25
SB-5	5/31/12	2	<0.50	<1.2

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8260B.



Field Screening Results				
Sample ID	*Date*	*Depth (ft)*	*OVM-PID (ppm)*	*TPH (mg/kg)*
NMOCD ACTION LEVEL			*100*	*1,000*
SC-1	11/8/12	0 to 3	9.5	143
SC-2	11/8/12	0 to 3	10.1	469
SC-3	11/8/12	0 to 3	16.1	174
SC-4	11/8/12	0 to 3	14.8	247
SC-5	11/8/12	3	62.2	885
SC-6	11/8/12	0 to 2	7.6	86.0
NA - NOT ANALYZED				

FIGURE 4

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS NOVEMBER 2012

ConocoPhillips
SAN JUAN 29-6 #301 SWD
RIO ARRIBA COUNTY, NEW MEXICO
SE¼ SE¼, SECTION 2, T29N, R6W
N36.74824, W107.42393

Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
C. Lameman	November 13, 2012
REVISIONS BY:	**DATE REVISED:**
C. Lameman	December 20, 2012
CHECKED BY:	**DATE CHECKED:**
D. Watson	December 20, 2012
APPROVED BY:	**DATE APPROVED:**
E. McNally	December 20, 2012

LEGEND

- SAMPLE LOCATIONS
- —x— FENCE

N

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

AES Field Screening Report

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3274

Client: ConocoPhillips

Project Location: SJ 29-6 #301 SWD

Date: 5/31/2012

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
SB-1 @1'	5/31/2012	7:56	101	8:39	430	100	1	TCR
SB-2 @ 1'	5/31/2012	8:13	738	8:46	437	100	1	TCR
SB-3 @ 1'	5/31/2012	8:32	NA- FREE PRODUCT			100	1	TCR
SB-3 @ 2'	5/31/2012	8:42	1,627	9:13	11,900	100	1	TCR
SB-3 @ 4'	5/31/2012	9:35	1,961	9:56	2,400	100	1	TCR
SB-4 @ 1'	5/31/2012	8:46	5.6	9:21	325	100	1	TCR
SB-5 @ 1'	5/31/2012	9:45	2,238	10:34	11,200	100	1	TCR
SB-5 @ 2'	5/31/2012	9:50	574	10:40	1,920	100	1	TCR
SB-6 @ 1'	5/31/2012	9:55	18.2	10:45	509	100	1	TCR
SB-6 @ 2'	5/31/2012	10:00	12.1	10:48	489	100	1	TCR
SB-7 @ 1'	5/31/2012	11:04	5.6	11:23	693	100	1	TCR
SB-8 @ 1'	5/31/2012	11:10	43.0	11:28	798	100	1	TCR

Total Petroleum Hydrocarbons - USEPA 418.1 *Field TPH concentrations recorded may be below PQL.

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

DF Dilution Factor

Analyst: Tami Ross

Report Finalized: 05/31/12

AES Field Screening Report

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3274

Client: ConocoPhillips

Project Location: San Juan 29-6 #301 SWD

Date: 11/8/2012

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
SC-1	11/8/2012	10:00	9.5	12:38	143	20.0	1	DAW
SC-2	11/8/2012	10:02	10.1	12:40	469	20.0	1	DAW
SC-3	11/8/2012	10:05	16.1	12:43	174	20.0	1	DAW
SC-4	11/8/2012	10:10	14.8	12:48	247	20.0	1	DAW
SC-5	11/8/2012	10:12	62.2	12:45	885	20.0	1	DAW
SC-6	11/8/2012	10:20	7.6	12:36	86.0	20.0	1	DAW

*Field TPH concentrations recorded may be below PQL.

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

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Deborah Watson

Report Finalized: 11/08/12

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 05, 2012

Tami Ross
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 793-2072
FAX

RE: SJ 29-6 #301 SWD OrderNo.: 1206021

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/1/2012 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.

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 **1206021**
Date Reported: **6/5/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: SJ 29-6 #301 SWD
Lab ID: 1206021-001

Client Sample ID: SC-1
Collection Date: 5/31/2012 9:15:00 AM
Matrix: MEOH (SOIL) **Received Date:** 6/1/2012 10:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY, TCLP						Analyst: **TES**
Mercury	ND	0.020		mg/L	1	6/5/2012 10:09:16 AM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	6/4/2012 8:30:26 AM
Barium	ND	100		mg/L	5	6/4/2012 10:59:42 AM
Cadmium	ND	1.0		mg/L	1	6/4/2012 10:54:50 AM
Chromium	ND	5.0		mg/L	1	6/4/2012 8:30:26 AM
Lead	ND	5.0		mg/L	1	6/4/2012 8:30:26 AM
Selenium	ND	1.0		mg/L	1	6/4/2012 10:54:50 AM
Silver	ND	5.0		mg/L	1	6/4/2012 10:54:50 AM

Qualifiers:

*/X	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
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: SB-2
Project: SJ 29-6 #301 SWD
Collection Date: 5/31/2012 9:20:00 AM
Lab ID: 1206021-002
Matrix: MEOH (SOIL)
Received Date: 6/1/2012 10:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	ND	0.25		mg/Kg	5	6/1/2012 12:12:16 PM
Toluene	ND	0.25		mg/Kg	5	6/1/2012 12:12:16 PM
Ethylbenzene	ND	0.25		mg/Kg	5	6/1/2012 12:12:16 PM
Xylenes, Total	1.2	0.50		mg/Kg	5	6/1/2012 12:12:16 PM
Surr: 1,2-Dichloroethane-d4	88.0	70-130		%REC	5	6/1/2012 12:12:16 PM
Surr: 4-Bromofluorobenzene	59.0	70-130	S	%REC	5	6/1/2012 12:12:16 PM
Surr: Dibromofluoromethane	96.9	71.7-132		%REC	5	6/1/2012 12:12:16 PM
Surr: Toluene-d8	92.9	70-130		%REC	5	6/1/2012 12:12:16 PM

Qualifiers:

*/X	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
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: SB-3
Project: SJ 29-6 #301 SWD
Collection Date: 5/31/2012 10:07:00 AM
Lab ID: 1206021-003
Matrix: MEOH (SOIL)
Received Date: 6/1/2012 10:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	ND	0.25		mg/Kg	5	6/1/2012 12:40:23 PM
Toluene	ND	0.25		mg/Kg	5	6/1/2012 12:40:23 PM
Ethylbenzene	ND	0.25		mg/Kg	5	6/1/2012 12:40:23 PM
Xylenes, Total	6.5	0.50		mg/Kg	5	6/1/2012 12:40:23 PM
Surr: 1,2-Dichloroethane-d4	90.0	70-130		%REC	5	6/1/2012 12:40:23 PM
Surr: 4-Bromofluorobenzene	41.2	70-130	S	%REC	5	6/1/2012 12:40:23 PM
Surr: Dibromofluoromethane	97.5	71.7-132		%REC	5	6/1/2012 12:40:23 PM
Surr: Toluene-d8	94.0	70-130		%REC	5	6/1/2012 12:40:23 PM

Qualifiers:

*/X	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
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: SB-4
Project: SJ 29-6 #301 SWD
Collection Date: 5/31/2012 10:15:00 AM
Lab ID: 1206021-004
Matrix: SOIL
Received Date: 6/1/2012 10:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	ND	0.25		mg/Kg	5	6/1/2012 4:54:10 PM
Toluene	ND	0.25		mg/Kg	5	6/1/2012 4:54:10 PM
Ethylbenzene	ND	0.25		mg/Kg	5	6/1/2012 4:54:10 PM
Xylenes, Total	ND	0.50		mg/Kg	5	6/1/2012 4:54:10 PM
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%REC	5	6/1/2012 4:54:10 PM
Surr: 4-Bromofluorobenzene	95.7	70-130		%REC	5	6/1/2012 4:54:10 PM
Surr: Dibromofluoromethane	99.8	71.7-132		%REC	5	6/1/2012 4:54:10 PM
Surr: Toluene-d8	98.2	70-130		%REC	5	6/1/2012 4:54:10 PM

Qualifiers:

*/X	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
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: SB-5
Project: SJ 29-6 #301 SWD
Collection Date: 5/31/2012 9:50:00 AM
Lab ID: 1206021-005
Matrix: MEOH (SOIL)
Received Date: 6/1/2012 10:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	ND	0.50		mg/Kg	10	6/1/2012 6:19:12 PM
Toluene	ND	0.50		mg/Kg	10	6/1/2012 6:19:12 PM
Ethylbenzene	ND	0.50		mg/Kg	10	6/1/2012 6:19:12 PM
Xylenes, Total	1.2	1.0		mg/Kg	10	6/1/2012 6:19:12 PM
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%REC	10	6/1/2012 6:19:12 PM
Surr: 4-Bromofluorobenzene	84.5	70-130		%REC	10	6/1/2012 6:19:12 PM
Surr: Dibromofluoromethane	95.0	71.7-132		%REC	10	6/1/2012 6:19:12 PM
Surr: Toluene-d8	97.7	70-130		%REC	10	6/1/2012 6:19:12 PM

Qualifiers:

*/X	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
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: SB-1
Project: SJ 29-6 #301 SWD
Collection Date: 5/31/2012 7:56:00 AM
Lab ID: 1206021-006
Matrix: SOIL
Received Date: 6/1/2012 10:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **BDH**
Benzene	ND	0.097		mg/Kg	5	6/4/2012 2:00:09 PM
Toluene	ND	0.24		mg/Kg	5	6/4/2012 2:00:09 PM
Ethylbenzene	ND	0.24		mg/Kg	5	6/4/2012 2:00:09 PM
Xylenes, Total	ND	0.49		mg/Kg	5	6/4/2012 2:00:09 PM
Surr: 1,2-Dichloroethane-d4	88.6	70-130		%REC	5	6/4/2012 2:00:09 PM
Surr: 4-Bromofluorobenzene	95.2	70-130		%REC	5	6/4/2012 2:00:09 PM
Surr: Dibromofluoromethane	86.3	71.7-132		%REC	5	6/4/2012 2:00:09 PM
Surr: Toluene-d8	91.1	70-130		%REC	5	6/4/2012 2:00:09 PM

Qualifiers:

*/X	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
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#: **1206021**

05-Jun-12

Client: Animas Environmental Services

Project: SJ 29-6 #301 SWD

Sample ID **5ml-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **R3155**	RunNo: **3155**
Prep Date:	Analysis Date: **6/1/2012**	SeqNo: **87429** 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	0.48		0.5000		96.8	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.4	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		101	71.7	132			
Surr: Toluene-d8	0.47		0.5000		94.9	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **R3155**	RunNo: **3155**
Prep Date:	Analysis Date: **6/1/2012**	SeqNo: **87430** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.050	1.000	0	93.9	70.7	123			
Toluene	0.93	0.050	1.000	0	92.6	80	120			
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.3	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.2	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		99.6	71.7	132			
Surr: Toluene-d8	0.49		0.5000		97.1	70	130			

Sample ID **1206021-004a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SB-4**	Batch ID: **R3155**	RunNo: **3155**
Prep Date:	Analysis Date: **6/1/2012**	SeqNo: **87431** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.7	0.25	3.953	0	92.4	81.3	119			
Toluene	3.5	0.25	3.953	0	89.8	75	121			
Surr: 1,2-Dichloroethane-d4	1.8		1.976		88.9	70	130			
Surr: 4-Bromofluorobenzene	1.8		1.976		89.7	70	130			
Surr: Dibromofluoromethane	2.0		1.976		99.1	71.7	132			
Surr: Toluene-d8	1.9		1.976		96.1	70	130			

Sample ID **1206021-004a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SB-4**	Batch ID: **R3155**	RunNo: **3155**
Prep Date:	Analysis Date: **6/1/2012**	SeqNo: **87432** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.6	0.25	3.953	0	90.7	81.3	119	1.82	15.7	
Toluene	3.5	0.25	3.953	0	89.6	75	121	0.157	16.2	
Surr: 1,2-Dichloroethane-d4	1.8		1.976		90.5	70	130	0	0	
Surr: 4-Bromofluorobenzene	1.8		1.976		91.4	70	130	0	0	

Qualifiers:

*/X	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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1206021

05-Jun-12

Client: Animas Environmental Services

Project: SJ 29-6 #301 SWD

Sample ID	1206021-004a msd	SampType:	MSD	TestCode:	EPA Method 8260B: Volatiles Short List
Client ID:	SB-4	Batch ID:	R3155	RunNo:	3155
Prep Date:		Analysis Date:	6/1/2012	SeqNo:	87432
Units:	mg/Kg				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	2.0		1.976		101	71.7	132	0	0	
Surr: Toluene-d8	1.9		1.976		94.3	70	130	0	0	

Sample ID	mb-2203	SampType:	MBLK	TestCode:	EPA Method 8260B: Volatiles Short List
Client ID:	PBS	Batch ID:	2203	RunNo:	3182
Prep Date:	6/1/2012	Analysis Date:	6/4/2012	SeqNo:	88090
Units:	mg/Kg				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.020								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.43		0.5000		85.5	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		91.7	70	130			
Surr: Dibromofluoromethane	0.42		0.5000		84.9	71.7	132			
Surr: Toluene-d8	0.45		0.5000		90.7	70	130			

Sample ID	lcs-2203	SampType:	LCS	TestCode:	EPA Method 8260B: Volatiles Short List
Client ID:	LCSS	Batch ID:	2203	RunNo:	3182
Prep Date:	6/1/2012	Analysis Date:	6/4/2012	SeqNo:	88091
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	111	70.7	123			
Toluene	1.0	0.050	1.000	0	101	80	120			
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		88.2	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		90.1	70	130			
Surr: Dibromofluoromethane	0.44		0.5000		88.9	71.7	132			
Surr: Toluene-d8	0.44		0.5000		88.1	70	130			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1206021**

05-Jun-12

Client: Animas Environmental Services
Project: SJ 29-6 #301 SWD

Sample ID **MB-2222**	SampType: **MBLK**	TestCode: **MERCURY, TCLP**
Client ID: **PBW**	Batch ID: **2222**	RunNo: **3207**
Prep Date: **6/4/2012**	Analysis Date: **6/5/2012**	SeqNo: **88954** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.020								

Sample ID **LCS-2222**	SampType: **LCS**	TestCode: **MERCURY, TCLP**
Client ID: **LCSW**	Batch ID: **2222**	RunNo: **3207**
Prep Date: **6/4/2012**	Analysis Date: **6/5/2012**	SeqNo: **88955** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.020	0.005000	0	102	80	120			

Sample ID **1205900-001BMS**	SampType: **MS**	TestCode: **MERCURY, TCLP**
Client ID: **BatchQC**	Batch ID: **2222**	RunNo: **3207**
Prep Date: **6/4/2012**	Analysis Date: **6/5/2012**	SeqNo: **88957** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.020	0.005000	0.001632	90.4	75	125			

Sample ID **1205900-001BMSD**	SampType: **MSD**	TestCode: **MERCURY, TCLP**
Client ID: **BatchQC**	Batch ID: **2222**	RunNo: **3207**
Prep Date: **6/4/2012**	Analysis Date: **6/5/2012**	SeqNo: **88958** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.020	0.005000	0.001632	89.3	75	125	0	20	

Qualifiers:

*/X	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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1206021**

05-Jun-12

Client: Animas Environmental Services

Project: SJ 29-6 #301 SWD

Sample ID **MB-2207**	SampType: **MBLK**	TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **PBW**	Batch ID: **2207**	RunNo: **3177**
Prep Date: **6/2/2012**	Analysis Date: **6/4/2012**	SeqNo: **87893** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0								
Chromium	ND	5.0								
Lead	ND	5.0								

Sample ID **LCS-2207**	SampType: **LCS**	TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **LCSW**	Batch ID: **2207**	RunNo: **3177**
Prep Date: **6/2/2012**	Analysis Date: **6/4/2012**	SeqNo: **87894** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0.01205	118	80	120			
Chromium	ND	5.0	0.5000	0	106	80	120			
Lead	ND	5.0	0.5000	0	101	80	120			

Sample ID **1205901-002AMS**	SampType: **MS**	TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **BatchQC**	Batch ID: **2207**	RunNo: **3177**
Prep Date: **6/2/2012**	Analysis Date: **6/4/2012**	SeqNo: **87908** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0.01610	113	75	125			
Chromium	ND	5.0	0.5000	0	100	75	125			
Lead	ND	5.0	0.5000	0	95.8	75	125			

Sample ID **1205901-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **BatchQC**	Batch ID: **2207**	RunNo: **3177**
Prep Date: **6/2/2012**	Analysis Date: **6/4/2012**	SeqNo: **87909** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0.01610	105	75	125	0	20	
Chromium	ND	5.0	0.5000	0	92.4	75	125	0	20	
Lead	ND	5.0	0.5000	0	88.6	75	125	0	20	

Sample ID **MB-2207**	SampType: **MBLK**	TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **PBW**	Batch ID: **2207**	RunNo: **3179**
Prep Date: **6/2/2012**	Analysis Date: **6/4/2012**	SeqNo: **87983** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	100								
Cadmium	ND	1.0								
Selenium	ND	1.0								
Silver	ND	5.0								

Qualifiers:

*/X	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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1206021**

05-Jun-12

Client: Animas Environmental Services
Project: SJ 29-6 #301 SWD

Sample ID	**LCS-2207**	SampType: **LCS**		TestCode: **EPA Method 6010B: TCLP Metals**						
Client ID:	**LCSW**	Batch ID: **2207**		RunNo: **3179**						
Prep Date:	**6/2/2012**	Analysis Date: **6/4/2012**		SeqNo: **87984**		Units: **mg/L**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	100	0.5000	0	97.3	80	120			
Cadmium	ND	1.0	0.5000	0	106	80	120			
Selenium	ND	1.0	0.5000	0	106	80	120			
Silver	ND	5.0	0.1000	0	101	80	120			

Sample ID	**1205901-002AMS**	SampType: **MS**		TestCode: **EPA Method 6010B: TCLP Metals**						
Client ID:	**BatchQC**	Batch ID: **2207**		RunNo: **3179**						
Prep Date:	**6/2/2012**	Analysis Date: **6/4/2012**		SeqNo: **87999**		Units: **mg/L**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	ND	1.0	0.5000	0	106	75	125			
Selenium	ND	1.0	0.5000	0	104	75	125			
Silver	ND	5.0	0.1000	0	99.4	75	125			

Sample ID	**1205901-002AMSD**	SampType: **MSD**		TestCode: **EPA Method 6010B: TCLP Metals**						
Client ID:	**BatchQC**	Batch ID: **2207**		RunNo: **3179**						
Prep Date:	**6/2/2012**	Analysis Date: **6/4/2012**		SeqNo: **88000**		Units: **mg/L**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	ND	1.0	0.5000	0	103	75	125	0	20	
Selenium	ND	1.0	0.5000	0	106	75	125	0	20	
Silver	ND	5.0	0.1000	0	96.9	75	125	0	20	

Qualifiers:

*/X	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
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: **1206021**

Received by/date: AG 06/01/12

Logged By: **Michelle Garcia** **6/1/2012 10:05:00 AM** Michelle Garcia

Completed By: **Michelle Garcia** **6/1/2012 10:23:58 AM** Michelle Garcia

Reviewed By: AT 06/01/12

Chain of Custody

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

Log In

4.	Coolers are present? (see 19. for cooler specific information)	Yes ✔	No	NA
5.	Was an attempt made to cool the samples?	Yes ✔	No	NA
6.	Were all samples received at a temperature of >0° 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	# of preserved bottles checked for pH:
14.	Are matrices correctly identified on Chain of Custody?	Yes ✔	No	(<2 or >12 unless noted)
15.	Is it clear what analyses were requested?	Yes ✔	No	Adjusted?
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔	No	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	1.0	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental

Mailing Address: 624 E Comanche
Farmington NM 87401

Phone #: tasse@animasenvironmental.com

email or Fax#: 505-564-2281

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☒ Rush Same day on 8021

Project Name: SJ 29-6 #301 SWD

Project #: AT 06/01/12

Project Manager: Tami Ross

Sampler: Tami Ross

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.4 °C

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. 1206031	BTEX + MTBE + TPH (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals TCLP	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)
5-31-12	1130 AT	Soil	~~SB-1~~ SC-1	4 oz	MeOH No Headspace	-001	X						X				
5-31-12	9:20	Soil	SB-2	4 oz	MeOH	-002	X										
5-31-12	10:07	Soil	SB-3	4 oz	MeOH	-003	X										
5-31-12	10:15	Soil	SB-4 AT 06/01/12	~~4 oz~~ 8oz Jar	MeOH	-004	X										
5-31-12	9:50	Soil	SB-5	4 oz	MeOH	-005	X										
05-31-12	0956	Soil	SB-1	4 oz	none	-006	X										
AT 06/01/12																	

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/31/12	1815	Tami Ross	Christine Walker	5/31/12	1815
5/31/12	2005	Christine Walker		06/01/12	10:05

Remarks: BILL TO CONOCO PHILLIPS
ASAP on metals
per BP SJ 29-6 #301 SWD

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