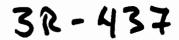
3R - 437

GWMR

06/21/2013





ENTERPRISE PRODUCTS PARTNERS L.P.
ENTERPRISE PRODUCTS HOLDINGS LLC
(General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

June 21, 2013

Return Receipt Requested 7012 1010 0003 7361 4864

Mr. Glen von Gonten New Mexico Energy, Minerals & Natural Resources Department - Oil Conservation Division 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re:

Confirmation Groundwater Sampling Report Smyers LS #1 December 2011 Pipeline Release SW ¼ SW ¼, Sec 2, T31N, R11W San Juan County, New Mexico

Dear Mr. Von Gonten:

Enterprise Field Services, LLC (Enterprise) is submitting the enclosed report entitled: Confirmation Groundwater Sampling Report, Smyers LS #1 December 2011 Pipeline Release, dated June 12, 2013. This report documents the results of the May 2013 confirmation sampling event at the release site.

During the confirmation sampling event, six temporary wells were installed by hand driving a HydroPunch screen, and groundwater samples were collected from each of the temporary wells. Laboratory analytical results reported dissolved phase benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations below WQCC standards in each of the samples.

No further actions are proposed for this location. If you have any questions concerning the enclosed report, please do not hesitate to contact me at (713) 381-2286, or via email at: drsmith@eprod.com.

Sincerely,

David R. Smith, P.G.

Sr. Environmental Scientist

Rodney M. Sartor, REM Sr. Manager, Environmental

/den

Enclosure - Confirmation Groundwater Sampling Report, Smyers LS #1 December 2011 Pipeline Release

CC:

Brandon Powell, New Mexico Oil Conservation Division, Aztec, NM Jim Griswold, New Mexico Oil Conservation Division, Santa Fe, NM

ec:

Sherrie Landon, Bureau of Land Management, Farmington, NM Aaron Dailey, Enterprise Field Services, LLC, Farmington, NM Animas Environmental Services, LLC, Farmington, NM



June 12, 2013

David Smith

Via email with delivery confirmation receipt

drsmith@eprod.com

Enterprise Products Operating, LLC

1100 Louisiana

Houston, Texas 77002

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

> Durango, Colorado 970-403-3084

RE: Smyers LS #1 December 2011 Pipeline Release Confirmation Groundwater Sampling Report SW¼ SW¼, Section 2, T31N, R11W San Juan County, New Mexico

Dear Mr. Smith:

On May 16, 2013, Animas Environmental Services, LLC (AES) completed confirmation groundwater sampling to evaluate the extent of natural attenuation of residual petroleum hydrocarbons associated with a release of natural gas condensate, which occurred along the Enterprise Field Services, LLC (Enterprise) 3-inch diameter Smyers LS #1 pipeline in December 2011. AES completed a groundwater investigation at the site in June 2012, and details of the investigation are included in the report entitled *Groundwater Investigation Report for Enterprise Products Company Smyers LS #1 Pipeline Release* dated September 2012. A work plan was also prepared, entitled *Groundwater Remediation and Confirmation Sampling Work Plan* dated September 2012 detailing the proposed application of a bio-remedial solution and subsequent confirmation sampling.

1.0 Release Location

1.1 Release Location and Ranking

The release location is approximately 7 miles northeast of Aztec, New Mexico, on Federal land under jurisdiction of the Bureau of Land Management (BLM) within the SW¼ SW¼, Section 2, T31N, R11W, San Juan County, New Mexico. Approximate latitude and longitude of the release was recorded as N36.9234 and W107.96485, respectively. A topographic site location map is included as Figure 1, and an aerial map showing the release location is included as Figure 2.

In accordance with the NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993) and prior to the initial assessment, the release location was assigned a

ranking score to establish action levels. The release was given a ranking score of 40 based on the following factors:

- Depth to Groundwater: Known depth to groundwater is approximately 3 feet below ground surface (bgs). (20 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: The release is located within an ephemeral stream known as Kiffen Wash, which discharges into the Animas River approximately 2.4 miles southeast of the release location. (20 points)

1.2 Previous Site Activities

1.2.1 Initial Release Assessment - December 2011 and January 2012

A release was reported at the location on December 26, 2011, and the cause of the release was attributed to two ruptures in the pipeline due to freezing.

On December 28, 2011, an initial release assessment was completed by AES personnel. Using a hand auger, four soil borings were each advanced to a total depth of 3 feet below ground surface (bgs), at which point groundwater was encountered. Soil samples were field screened, and confirmation soil and water samples were collected for laboratory analysis. Soil laboratory results confirmed that soil had been impacted above NMOCD action levels for benzene, total benzene, toluene, ethyl-benzene, and xylenes (BTEX), and total petroleum hydrocarbons (TPH). The highest concentrations were recorded in SB-4 with 98 mg/kg benzene, 1,800 mg/kg total BTEX, and 15,140 mg/kg TPH. The groundwater samples had reported concentrations of BTEX below applicable New Mexico Water Quality Control Commission (WQCC) standards. Based on laboratory results remedial excavation was scheduled.

On January 12 and 13, 2012, approximately 142 cubic yards of petroleum hydrocarbon contaminated soil were excavated and transported off-site for disposal by an Enterprise contractor. The final excavation dimensions measured approximately 21 feet by 29 feet by 3 feet deep. Prior to the excavation being backfilled, AES collected confirmation soil and groundwater samples, the results of which confirmed that all hydrocarbon contaminated soil had been excavated, but that groundwater had been impacted by the release. Details of the initial release assessment were submitted in the *Smyers LS #1 Release Report* prepared by AES and dated March 9, 2012. Based on laboratory analytical results, AES recommended further assessment of groundwater dissolved phase contaminant impacts using a HydroPunch to install temporary wells.

1.2.2 Groundwater Investigation – June 2012

On June 20, 2012, AES completed a groundwater investigation in order to delineate the full extent of petroleum hydrocarbon impacts on groundwater resulting from the release. The investigation included the installation of nine temporary wells using a HydroPunch sampling tool and the collection of groundwater samples.

Groundwater was encountered at depths ranging from about 4.0 feet bgs in TW-6 to 6.4 feet bgs in TW-4. Groundwater laboratory analytical results showed that dissolved phase benzene concentrations were above the WQCC standard of 10 μ g/L in TW-2 (92 μ g/L), TW-7 (44 μ g/L), and TW-8 (150 μ g/L). TW-8 exceeded the WQCC standard for toluene with 920 μ g/L and for ethylbenzene with 1,200 μ g/L. Dissolved phase xylene concentrations were above the WQCC standard of 620 μ g/L in TW-2 (1,600 μ g/L) and in TW-8 (11,000 μ g/L). All other dissolved phase BTEX concentrations were below WQCC standards or below laboratory detection limits.

Dissolved phase GRO concentrations were reported in TW-1 (0.065 mg/L), TW-2 (8.2 mg/L), TW-7 (0.74 mg/L), and TW-8 (77 mg/L), and DRO was reported in TW-7 with a concentration of 1.2 mg/L. All other samples were below laboratory detection limits for TPH (as GRO/DRO). Details of the groundwater investigation were included in the report entitled *Groundwater Investigation Report for Enterprise Products Company Smyers LS #1 Pipeline Release* prepared by AES and submitted on September 14, 2012.

2.0 Confirmation Soil Sampling

2.1 Confirmation Groundwater Sampling

On May 16, 2013, Heather Woods and Lavina Lamone of AES installed six additional temporary wells (HP-1 through HP-6) by hand driving the HydroPunch screen with a fencepost driver, and screens were driven to depths ranging from approximately 3 to 4 feet bgs. The internal slotted screen of the HydroPunch was set across the top of the shallow groundwater table at depths ranging from 1.4 to 3.5 feet bgs and left in place to allow groundwater to infiltrate and reach equilibrium.

Groundwater samples were collected from each of the temporary wells with a 1 inch bailer. Following collection of each groundwater sample, depth to groundwater was measured with a water level indicator. Additionally, water quality parameters (pH, temperature, electrical conductivity, and oxygen reduction potential) were recorded for each temporary well, with the exception of HP-3 through HP-5. Depth to water and water quality parameters were not recorded for HP-3 through HP-5 due to low yield from these wells.

2.2.1 Field Measurements

Water quality measurements were recorded, and temperature readings ranged from 18.45°C in HP-1 to 19.31°C in HP-6. Conductivity readings were between 6.452 mS in HP-2 and 9.744 mS in HP-1, and pH ranged from 6.40 in HP-1 to 7.27 in HP-6. Dissolved oxygen ranged from 3.01 mg/L in HP-2 to 3.48 mg/L in HP-1. Water quality measurements are tabulated in Table 1.

2.2.2 Laboratory Analyses

The 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. The samples were maintained on ice until delivery to the analytical laboratory, Hall, in Albuquerque, New Mexico. The groundwater samples were laboratory analyzed for:

BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021B.

2.2.3 Laboratory Analytical Results

Laboratory analytical results for dissolved phase BTEX were below the WQCC standards in the six temporary wells (HP-1 through HP-6), with BTEX concentrations below the laboratory detection limits in all of the samples, except for HP-3 and HP-6. Concentrations above the laboratory detection limits were reported in HP-3 (2.8 μ g/L toluene) and in HP-6 (2.1 μ g/L toluene, 26 μ g/L ethylbenzene, and 22 μ g/L xylenes). Laboratory analytical results are included in Table 2 and on Figure 3. Laboratory analytical reports are included in the Appendix.

3.0 Conclusions and Recommendations

AES conducted shallow groundwater sampling at the December 2011 release locations to confirm natural attenuation of residual petroleum hydrocarbons on May 16, 2013. Based on field observations and laboratory analytical results for the groundwater samples, dissolved phase BTEX concentrations were confirmed to be below WQCC standards. No further work is recommended at the Smyers LS #1 release area.

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

Sincerely,

Heather M. Woods, P.G.

Heather 4 Winds

Project Manager

Elizabeth McNally, P.E.

Elizabet & Merrilly-

Attachments:

Table 1. Summary of Groundwater Measurements and Water Quality Data

Table 2. Summary of Groundwater Analytical Results

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Location Map

Figure 3. Confirmation Groundwater Sample Locations and Results, May 2013

Laboratory Analytical Report (Hall 1305731)

CC: Glenn von Gonten
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Jim Griswold New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Brandon Powell New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, NM 87410 David Smith Smyers LS #1 Confirmation Groundwater Sampling Report June 12, 2013 Page 6 of 6

Sherrie Landon
Environmental Protection Specialist
Via email with delivery confirmation receipt
slandon@blm.gov
Bureau of Land Management
6251 College Blvd., Suite A
Farmington, New Mexico 87402

Aaron Dailey
Via electronic copy
Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, NM 87401

R:\Animas 2000\Dropbox\2013 Projects\Enterprise\LS Smyers\Enterprise Smyers LS #1 Groundwater Confirmation Sampling Report 061213.docx

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Enterprise Products Company Smyers LS #1 Confirmation Groundwater Sampling
San Juan County, New Mexico

		Depth to Water	Conductivity		Dissolved Oxygen	Temp.	Purge Volume		
Well ID	Date	(ft below TOC)	рН	(mS)	(mg/L)	(ºC)	(gallons)		
HP-1	16-May-13	1.54	6.40	9.744	3.48	18.45	0.1		
HP-2	16-May-13	3.52	7.25	6.452	3.01	18.84	0.1		
HP-3	16-May-13	2.32		NM -	INSUFFICIENT	WATER			
HP-4	16-May-13	2.35		NM -	INSUFFICIENT	WATER			
HP-5	16-May-13	2.95	NM - INSUFFICIENT WATER						
HP-6	16-May-13	2.59	7.27	8.021	3.02	19.31	0.1		

NOTES: NM = NOT MEASURED

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Enterprise Products Company Smyers LS #1 Confirmation Groundwater Sampling
San Juan County, New Mexico

Well ID	Date Sampled	Benzene	Toluene	Ethyl- benzene	Xylenes					
		μg/L	μg/L	μg/L	μg/L					
Sa	mple Method		EPA Method 8021/8260							
WQCC STANDARD		10	750	750	620					
HP-1	16-May-13	<2.0	<2.0	<2.0	<4.0					
HP-2	16-May-13	<10	<10	<10	<20					
HP-3	16-May-13	<2.0	2.8	<2.0	<4.0					
HP-4	16-May-13	<2.0	<2.0	<2.0	<4.0					
HP-5	16-May-13	<2.0	<2.0	<2.0	<4.0					
HP-6	16-May-13	<2.0	2.1	26	22					

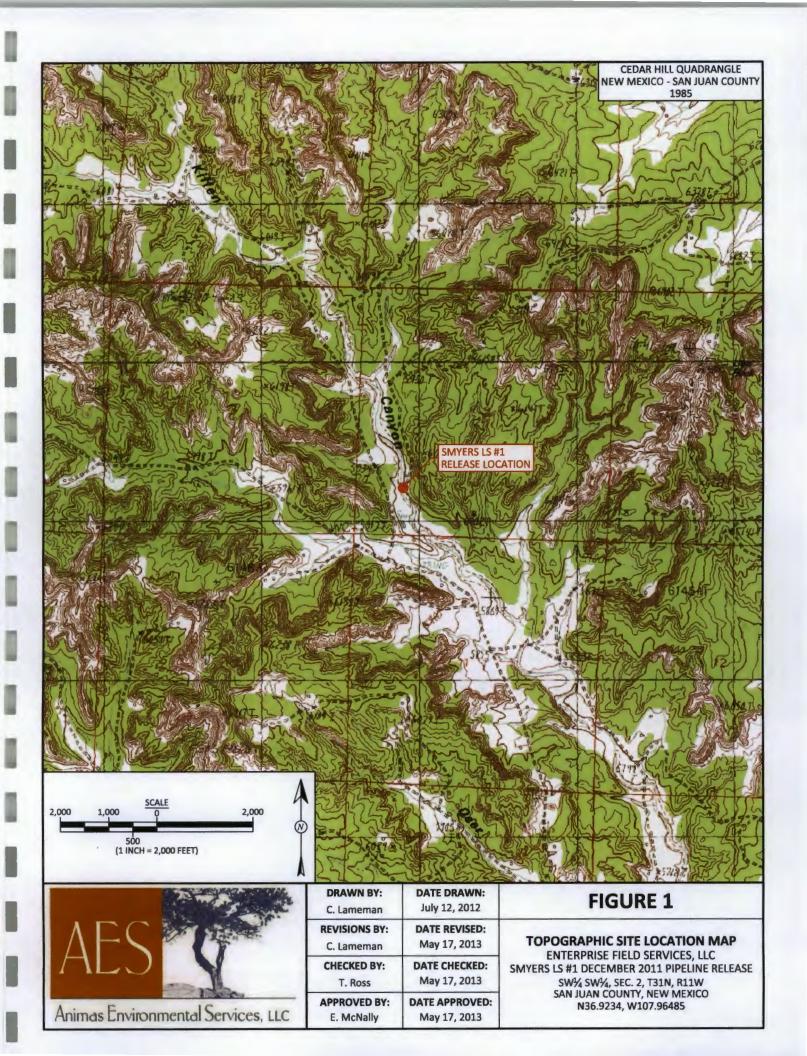
Notes:

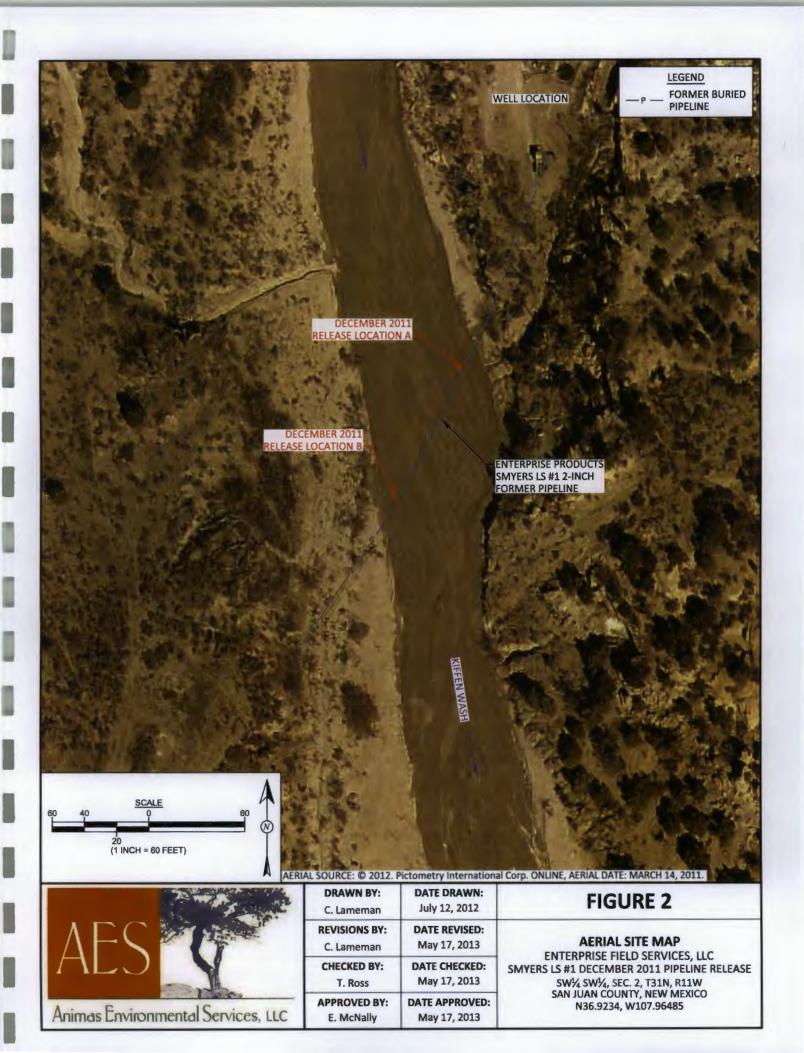
Analyte not detected above listed method limit

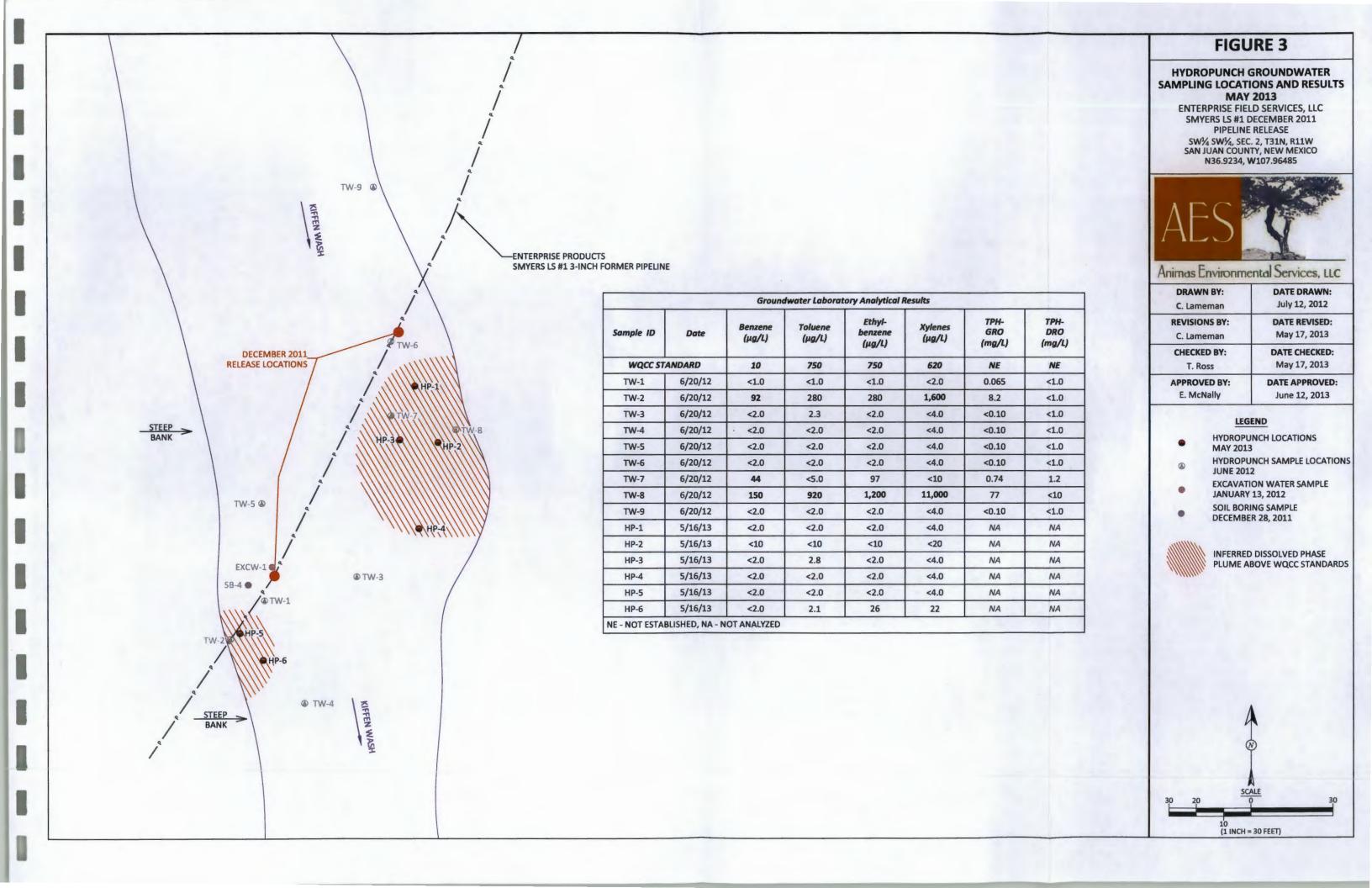
NE Not established

μg/L Micrograms per liter (ppb)

June 12, 2013









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

June 07, 2013

Tami Ross
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 793-2072 FAX (505) 324-2022

RE: Enterprise Smyers LS #1 OrderNo.: 1305731

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 7 sample(s) on 5/17/2013 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued May 23, 2013.

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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1305731

Date Reported: 6/7/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: HP-1

Project: Enterprise Smyers LS #1

Collection Date: 5/16/2013 10:42:00 AM

Lab ID: 1305731-001

Matrix: AQUEOUS

Received Date: 5/17/2013 10:03:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analy	st: DAM
Benzene	ND	2.0	μg/L	2	5/21/2013 10:52:31 A	M R10781
Toluene	ND	2.0	μg/L	2	5/21/2013 10:52:31 A	M R10781
Ethylbenzene	ND	2.0	μg/L	2	5/21/2013 10:52:31 A	M R10781
Xylenes, Total	ND	4.0	μg/L	2	5/21/2013 10:52:31 A	M R10781
1,2,4-Trimethylbenzene	ND	2.0	μg/L	2	5/21/2013 10:52:31 A	M R10781
1,3,5-Trimethylbenzene	ND	2.0	μg/L	2	5/21/2013 10:52:31 A	M R10781
Surr: 4-Bromofluorobenzene	104	69.4-129	%REC	2	5/21/2013 10:52:31 A	M R10781

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 9

- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Lab Order 1305731

Date Reported: 6/7/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

1305731-002

Lab ID:

Client Sample ID: HP-2

Project: Enterprise Smyers LS #1 Collection Date: 5/16/2013 10:56:00 AM

Matrix: AQUEOUS Received Date: 5/17/2013 10:03:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	10	μg/L	10	5/20/2013 11:39:00 P	M R10751
Toluene	ND	10	μg/L	10	5/20/2013 11:39:00 P	M R10751
Ethylbenzene	ND	10	μg/L	10	5/20/2013 11:39:00 P	M R10751
Xylenes, Total	ND	20	μg/L	10	5/20/2013 11:39:00 P	M R10751
1,2,4-Trimethylbenzene	ND	10	μg/L	10	5/20/2013 11:39:00 PI	M R10751
1,3,5-Trimethylbenzene	ND	10	μg/L	10	5/20/2013 11:39:00 PI	M R10751
Surr: 4-Bromofluorobenzene	97.7	69.4-129	%REC	10	5/20/2013 11:39:00 PI	M R10751

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 2 of 9

- Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Lab Order 1305731

Date Reported: 6/7/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Smyers LS #1

Lab ID: 1305731-003

Client Sample ID: HP-3

Collection Date: 5/16/2013 11:16:00 AM

Received Date: 5/17/2013 10:03:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	2.0	μg/L	2	5/21/2013 12:09:03 A	M R10751
Toluene	2.8	2.0	μg/L	2	5/21/2013 12:09:03 A	M R10751
Ethylbenzene	ND	2.0	μg/L	2	5/21/2013 12:09:03 A	M R10751
Xylenes, Total	ND	4.0	μg/L	2	5/21/2013 12:09:03 A	M R10751
1,2,4-Trimethylbenzene	ND	2.0	μg/L	2	5/21/2013 12:09:03 A	M R10751
1,3,5-Trimethylbenzene	ND	2.0	μg/L	2	5/21/2013 12:09:03 A	M R10751
Surr: 4-Bromofluorobenzene	95.6	69.4-129	%REC	2	5/21/2013 12:09:03 A	M R10751

Matrix: AQUEOUS

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 3 of 9

- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Lab Order 1305731

Date Reported: 6/7/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Smyers LS #1

1305731-004 Lab ID:

Client Sample 1D: HP-4

Collection Date: 5/16/2013 11:27:00 AM

Received Date: 5/17/2013 10:03:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES	,				Analy	st: NSB
Benzene	ND	2.0	μg/L	2	5/21/2013 12:39:18 A	M R10751
Toluene	ND	2.0	μg/L	2	5/21/2013 12:39:18 A	M R10751
Ethylbenzene	ND	2.0	μg/L	2	5/21/2013 12:39:18 A	M R10751
Xylenes, Total	ND	4.0	μg/L	2	5/21/2013 12:39:18 A	M R10751
1,2,4-Trimethylbenzene	ND	2.0	μg/L	2	5/21/2013 12:39:18 A	M R10751
1,3,5-Trimethylbenzene	ND	2.0	μg/L	2	5/21/2013 12:39:18 A	M R10751
Surr: 4-Bromofluorobenzene	95.4	69.4-129	%REC	2	5/21/2013 12:39:18 A	M R10751

Matrix: AQUEOUS

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Page 4 of 9 Sample pH greater than 2 for VOA and TOC only P
- Reporting Detection Limit

Lab Order 1305731

Date Reported: 6/7/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Smyers LS #1

Lab ID: 1305731-005 Client Sample ID: HP-5

Collection Date: 5/16/2013 2:42:00 PM

Received Date: 5/17/2013 10:03:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	2.0	μg/L	2	5/21/2013 1:09:42 AM	R10751
Toluene	ND	2.0	μg/L	2	5/21/2013 1:09:42 AM	R10751
Ethylbenzene	ND	2.0	μg/L	2	5/21/2013 1:09:42 AM	R10751
Xylenes, Total	ND	4.0	μg/L	2	5/21/2013 1:09:42 AM	R10751
1,2,4-Trimethylbenzene	ND	2.0	μg/L	2	5/21/2013 1:09:42 AM	R10751
1,3,5-Trimethylbenzene	ND	2.0	μg/L	2	5/21/2013 1:09:42 AM	R10751
Surr: 4-Bromofluorobenzene	98.0	69.4-129	%REC	2	5/21/2013 1:09:42 AM	R10751

Matrix: AQUEOUS

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 - Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Lab Order 1305731 Date Reported: 6/7/2013

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: HP-6

CLIENT: Animas Environmental Services Project: Enterprise Smyers LS #1 Collection Date: 5/16/2013 12:40:00 PM

Lab ID: 1305731-006 Matrix: AQUEOUS Received Date: 5/17/2013 10:03:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES				•		Analy	st: DAM
Benzene	ND	2.0		μg/L	2	5/21/2013 11:21:16 A	M R10781
Toluene	2.1	2.0		μg/L	2	5/21/2013 11:21:16 A	M R10781
Ethylbenzene	26	2.0		μg/L	2	5/21/2013 11:21:16 A	M R10781
Xylenes, Total	22	4.0		μg/L	2	5/21/2013 11:21:16 A	M R10781
1,2,4-Trimethylbenzene	110	2.0		μg/L	2	5/21/2013 11:21:16 A	M R10781
1,3,5-Trimethylbenzene	11	2.0		μg/L	2	5/21/2013 11:21:16 A	M R10781
Surr: 4-Bromofluorobenzene	145	69.4-129	s	%REC	2	5/21/2013 11:21:16 A	M R10781

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- RPD outside accepted recovery limits

- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit

Page 6 of 9

- Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit

Lab Order 1305731

Date Reported: 6/7/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: Enterprise Smyers LS #1

Collection Date:

Lab ID: 1305731-007

Matrix: AQUEOUS

Received Date: 5/17/2013 10:03:00 AM

Analyses	Result	Result RL Qual Uni		DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	1.0	μg/L	1	5/21/2013 2:10:10 AM	R1075
Toluene	ND	1.0	μg/L	1	5/21/2013 2:10:10 AM	R1075
Ethylbenzene	ND	1.0	μg/L	1	5/21/2013 2:10:10 AM	R1075
Xylenes, Total	ND	2.0	μg/L	1	5/21/2013 2:10:10 AM	R1075
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	5/21/2013 2:10:10 AM	R1075
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	5/21/2013 2:10:10 AM	R1075
Surr: 4-Bromofluorobenzene	95.5	69.4-129	%REC	1	5/21/2013 2:10:10 AM	R1075

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 7 of 9

- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1305731 *07-Jun-13*

Client: Animas Environmental Services
Project: Enterprise Smyers LS #1

Sample ID 5ML RB	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBW	Batch ID: R10751			F	RunNo: 1	0751				
Prep Date:	Analysis D	ate: 5/	20/2013	5	SeqNo: 3	03952	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	20		20.00		98.5	69.4	129			

Sample ID 100NG BTEX LC	S SampT	SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSW	Batch	atch ID: R10751 RunNo: 10751									
Prep Date:	Analysis D)ate: 5/	20/2013	S	SeqNo: 3	03953	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	22	1.0	20.00	0	108	80	120				
Toluene	21	1.0	20.00	0	106	80	120				
Ethylbenzene	21	1.0	20.00	0	104	80	120				
Xylenes, Total	63	2.0	60.00	0	106	80	120				
1,2,4-Trimethylbenzene	21	1.0	20.00	0	103	80	120				
1,3,5-Trimethylbenzene	21	1.0	20.00	0	106	80	120				
Surr: 4-Bromofluorobenzene	20		20.00		101	69.4	129				

Sample ID 5ML RB	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: PBW	Batch ID: R10781			RunNo: 10781						
Prep Date:	Analysis Date: 5/21/2013			SeqNo: 304872			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	20		20.00		98.5	69.4	129			

Sample ID 100NG BTEX LCS	SampT	ype: LC	s	TestCode: EPA Method 8021B: Volatiles											
Client ID: LCSW	Batch	n ID: R1	0781	F	RunNo: 1	0781									
Prep Date:	Analysis Date: 5/21/2013			S	SeqNo: 3	04875	Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene	21	1.0	20.00	0	106	80	120								
Toluene	21	1.0	20.00	0	104	80	120								

Qualifiers:

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Page 8 of 9

P Sample pH greater than 2 for VOA and TOC only.

RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1305731

07-Jun-13

Client:

Animas Environmental Services

Project:

Enterprise Smyers LS #1

Sample ID 100NG BTEX LC	S Samp1	ype: LC	s	TestCode: EPA Method 8021B: Volatiles											
Client ID: LCSW	Batcl	n ID: R1	0781	F	RunNo: 1	0781									
Prep Date:	Analysis D	ate: 5/	21/2013	5	SeqNo: 3	04875	Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Ethylbenzene	21	1.0	20.00	0	104	80	120								
Xylenes, Total	62	2.0	60.00	0	104	80	120								
1,2,4-Trimethylbenzene	20	1.0	20.00	0	101	80	120								
1,3,5-Trimethylbenzene	21	1.0	20.00	0	104	80	120								
Surr: 4-Bromofluorobenzene	20		20.00		98.6	69.4	129								

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

RL Reporting Detection Limit

Page 9 of 9



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental	Work Order Number:	1305731		RcptNo:	1
Received by/date:	05/17/13				
Logged By: Anne Thorne	5/17/2013 10:03:00 AM		ame Am	_	
Completed By: Anne Thorne	5/17/2013		aone Am	_	
Reviewed By: 70	25/11/2013				
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			
<u>Log In</u>					
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 broker	1?	Yes 🗆	No ☑ [# of preserved	
12.Does paperwork match bottle labels?		Yes 🗹	No □	bottles checked for pH:	
(Note discrepancies on chain of custody)				' '	>12 unless noted)
13. Are matrices correctly identified on Chain of G	Custody?	Yes 🗹	No 🗆	Adjusted?	
14. Is it clear what analyses were requested?		Yes 🗹	No ∐	Oh a alica di buu	
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 the	is order?	Yes 🗌	No 🗆	NA 🗹	
Person Notified:	Date				_
By Whom:	Via: [_ eMail _	Phone 🔲 Fax	☐ In Person	
Regarding:				-	
Client Instructions:					
17. Additional remarks:					
18. Cooler Information		_		•	
	al Intact Seal No S	Seal Date	Signed By		
1 1.6 Good Yes		<u></u>			

	. > -								Or M)	V)	SəldduB ir A	-		\vdash	\dashv		-	\dashv			_	\dashv				
ENVIDONMENTAL	ANALYSIS LABORATORY		m																				Services			This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Σ	OR	_	Albuquerque, NM 87109	107					(A(ΩΛ-	ime2) 0728							-				\dashv	Envioumentu			he analy
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Turn-Around Time:	Ŭ Standard	Project Name	Enterprise	Project #:		Project Manager:		T. Ross	Sampler: H.	Sample Figure	Container Type and #	5-40mc VaA	1-40mLVod	5-40 mcma	3 - Yo MILLIA	4-40-1164	4-40mc 40A						Received by:	Received by:		ontracted to other ac
Chain-of-Custody Record	Animas Environmental Services		Mailing Address: 624 E. Common Che	NM BTUDI	-2281			□ Level 4 (Full Validation)			Sample Request ID	416-)	HP-2	HP-3	7-dH	4p-5	HP-6	Trip Blank					d by:	by:	trulboater	If necessary, samples submitted to Hall Environmental may be subcontracted to oth
of-Cus	s Envir		624 E	, not	564-				□ Other		Matrix	Mari	Water		Water		Water						Relinquished by:	Relinquished by:	Charter	sarkpies subn
hain-	himas		Address:	Farmington	505	Fax#:	ackage:	lard	ation P	(Type)_	Time	1042	1056		1127	1442	1240						Time: 1794	Ime:	1756	necessary
ਹ	Client:		Mailing /	Fa	Phone #: 505-	email or Fax#:	QA/QC Package:	¥ Standard	Áccreditation □ NELAP	□ EDD (Type)	Date	5/16/13	5/16/13		5/16/13	5/14/13 1442	5/16/13						Date:	Date:	5/10/13	<u></u>