



December 16, 2013

RECEIVED
JAN 15 2014
NMOCD ARTESIA

Mr. James Heap
ENTERPRISE PRODUCTS L.P.
1031 Andrews Highway, Suite 320
Midland, TX 79701

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

MIDLAND
2901 State Hwy 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

OKLAHOMA CITY
7700 North Hudson Avenue
Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7030
Fax 806.467.0622

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

Subject: Soil Assessment and Remediation Work Plan
Enterprise Products L.P.
Mercury Fee Line Leak

Dear Mr. Heap

Enterprise Products L.P. (Enterprise) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Background Information

The Enterprise Mercury Fee Line Leak is located approximately eighteen (18) miles Southeast of Carlsbad, New Mexico. The legal location for this site is Section 20, Township 23, South Range 28 East. More specifically the latitude and longitude for the release are 32.290787 North and 104.117796 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Gypsum land-Cottonwood complex with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of alluvium that is Holocene to upper Pleistocene in age. Drainage courses in this area are normally dry. Groundwater in the project vicinity is approximately 50-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. See Appendix II for the referenced groundwater data.

The ranking for this site is 10 based on the following:

Depth to ground water	>50'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

The release was discovered on November 14, 2013 by Enterprise personnel. The pipeline was excavated in order to replace the compromised section of pipe. Talon mobilized personnel to conduct soil sampling within the trench. The results of these sampling activities are summarized in the table below.

Laboratory Results

See Appendix III for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	6.5	ND	896	ND	ND
S-2	6.5	330	5280	6930	7300
S-3	6.5	ND	1090	10.6	ND
S-4	6.5	ND	1760	ND	ND
S-5	6.5	ND	1040	ND	ND
S-6	6.5	73.6	3600	2580	6120

(ND) Analyte not detected

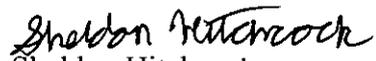
Based upon the site ranking of 10, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg for Benzene, and 1,000 mg/kg for TPH.

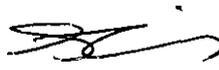
Proposed Remedial Actions

- The bottom of the trench in the vicinity of sample location S-2 will be excavated to a greater depth. Field chloride titrations, a Photo Ionization Device (PID) and visual observations will be used to guide the excavation. Once field data indicates that all of the impacted material was removed, confirmation soil samples will be taken to insure that the concentration of contaminants in this area are below RRAL's.
- In the vicinity of sample locations S-4 and S-6, the trench will be extended horizontally using the same methods described above to guide the excavation. Confirmation soil samples will also be taken in these locations to insure all of the impacted material was removed.
- The excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- Upon receipt of acceptable results from confirmation sampling, the excavated will be backfilled with topsoil and contoured to match the surrounding terrain.

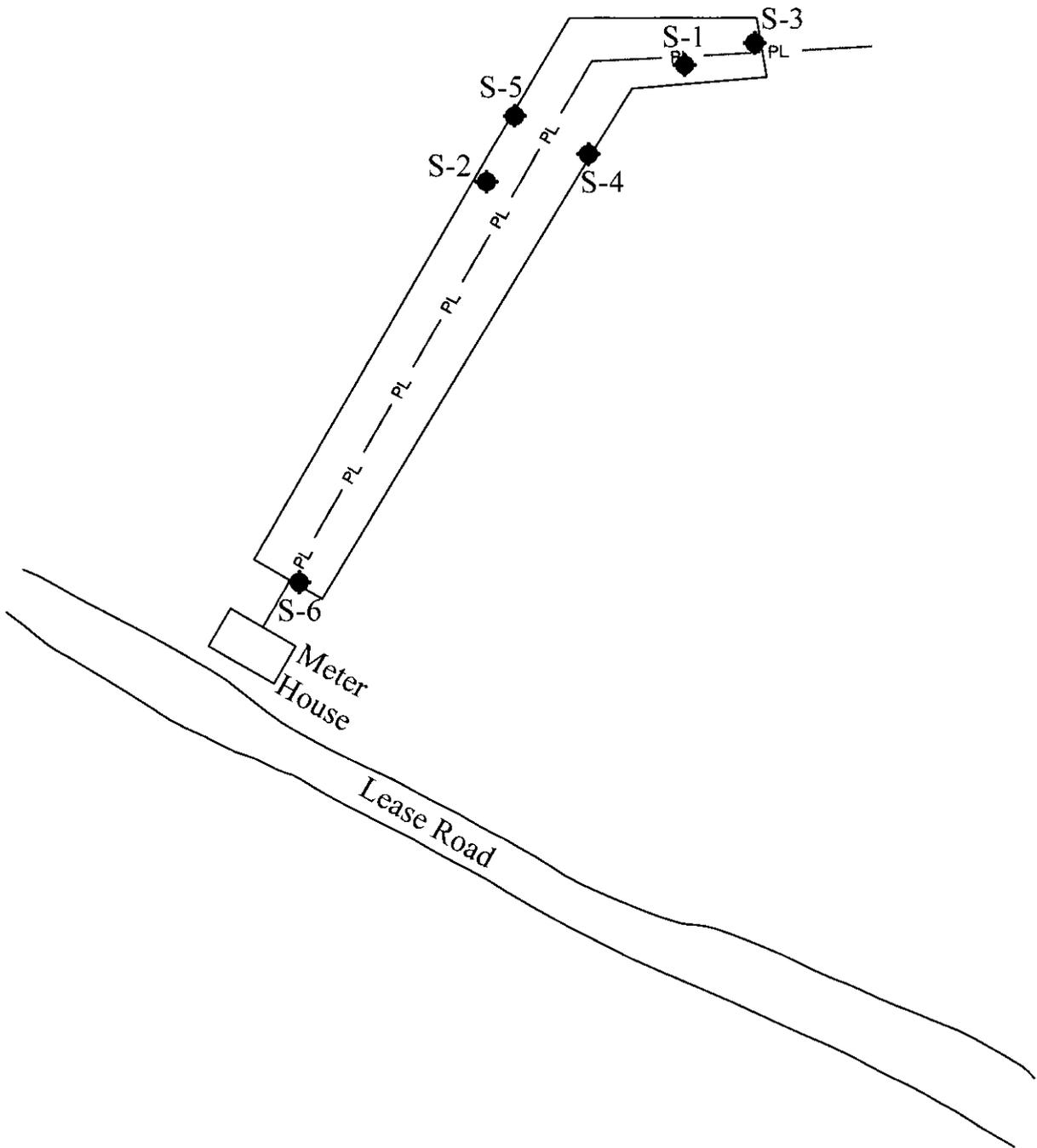
Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,


Sheldon Hitchcock
Environmental Scientist


David J. Adkins
District Manager

SITE PLAN



NTS
 Scale in Feet

Legend
 ◆ - Sample Location
 - - - - Pipeline



Date: 12/19/2013
 Scale: NTS
 Drawn By: TJS

Mecury Pipeline Release
 Enterprise Products Company
 Eddy County, New Mexico
 Figure 1 - Site Plan

GROUNDWATER DATA
INITIAL C-141



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	64-16 4	Q Q Q	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 00851	C		ED	3	17	23S	28E		583438	3574217*	1029	200	50	150

Average Depth to Water: **50 feet**
 Minimum Depth: **50 feet**
 Maximum Depth: **50 feet**

Record Count: 1

Basin/County Search:

UTMNAD83 Radius Search (in meters):

Easting (X): 583241

Northing (Y): 3573207

Radius: 1100

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised October 10, 2003

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

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	<i>Enterprise Field Services LLC</i>	Contact	<i>Jim Heap</i>
	<i>PO Box 4324, Houston, TX 77252</i>	Telephone No.	<i>432-686-5404</i>
Facility Name	<i>Pipeline ROW, Mercury Fee Line</i>	Facility Type:	<i>Gas Gathering Pipeline</i>

Surface Owner	<i>Private-McDonald</i>	Mineral Owner	<i>NA</i>	Lease No.	<i>NA</i>
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	<i>20</i>	<i>23S</i>	<i>28E</i>					<i>Eddy</i>

Latitude *32.304890 N* Longitude *-104.126170 W*

NATURE OF RELEASE

Type of Release	<i>Natural Gas and Pipeline Liquids</i>	Volume of Release	<i>799 MCF, 5 BBL of PPL liquids</i>	Volume Recovered	<i>TBD</i>
Source of Release	<i>Pipeline Leak</i>	Date and Hour of Occurrence	<i>11/15/2013 0930 (MST)</i>	Date and Hour of Discovery	<i>11/15/2013 15:00 (MST)</i>
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <i>NMOCD Region 2, Mike Bratcher</i>			
By Whom?	<i>Jim Heap</i>	Date and Hour	<i>11/15/2013 @ 15:30 MST</i>		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Suspected internal corrosion. The line was isolated, blown-down and scheduled for repair. Loss volume includes blow-down.

Describe Area Affected and Cleanup Action Taken.*
Any impacted area will be determined when the line is excavated; landowner will be notified. Current observation shows a release of liquids to the surrounding area. Repair schedule is not known at the time of this report.

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	
Printed Name:	<i>Jon E. Fields</i>	Approved by District Supervisor:	
Title:	<i>Director, Field Environmental</i>	Approval Date:	Expiration Date:
E-mail Address:	<i>jefields@eprod.com</i>	Conditions of Approval:	
Date:	Phone: <i>713-318-6595</i>	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

LABORATORY RESULTS

November 18, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MERCURY

Enclosed are the results of analyses for samples received by the laboratory on 11/11/13 13:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 11/11/2013
 Reported: 11/18/2013
 Project Name: MERCURY
 Project Number: 700348.132.02
 Project Location: NONE GIVEN

 Sampling Date: 11/07/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-1 6.5' (H302743-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2013	ND	1.75	87.5	2.00	13.2		
Toluene*	<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0		
Ethylbenzene*	<0.050	0.050	11/14/2013	ND	1.74	87.1	2.00	13.2		
Total Xylenes*	<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7		
Total BTEX	<0.300	0.300	11/14/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	11/14/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/13/2013	ND	197	98.6	200	7.27		
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72		

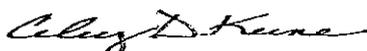
Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 11/11/2013
 Reported: 11/18/2013
 Project Name: MERCURY
 Project Number: 700348.132.02
 Project Location: NONE GIVEN

 Sampling Date: 11/07/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-2 6.5' (H302743-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<5.00	5.00	11/14/2013	ND	1.75	87.5	2.00	13.2		
Toluene*	45.8	5.00	11/14/2013	ND	1.75	87.4	2.00	13.0		
Ethylbenzene*	20.6	5.00	11/14/2013	ND	1.74	87.1	2.00	13.2		
Total Xylenes*	264	15.0	11/14/2013	ND	5.12	85.3	6.00	12.7		
Total BTEX	330	30.0	11/14/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5280	16.0	11/14/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	6930	10.0	11/13/2013	ND	197	98.6	200	7.27			
DRO >C10-C28	7300	10.0	11/13/2013	ND	188	94.0	200	9.72			

Surrogate: 1-Chlorooctane 249 % 65.2-140

Surrogate: 1-Chlorooctadecane 169 % 63.6-154

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* = Accredited Analyte

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 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	11/11/2013	Sampling Date:	11/07/2013
Reported:	11/18/2013	Sampling Type:	Soil
Project Name:	MERCURY	Sampling Condition:	Cool & Intact
Project Number:	700348.132.02	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S-3 6.5' (H302743-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2013	ND	1.75	87.5	2.00	13.2		
Toluene*	<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0		
Ethylbenzene*	<0.050	0.050	11/14/2013	ND	1.74	87.1	2.00	13.2		
Total Xylenes*	<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7		
Total BTEX	<0.300	0.300	11/14/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	11/14/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	10.6	10.0	11/13/2013	ND	197	98.6	200	7.27		
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72		

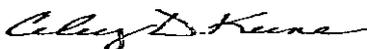
Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	11/11/2013	Sampling Date:	11/07/2013
Reported:	11/18/2013	Sampling Type:	Soil
Project Name:	MERCURY	Sampling Condition:	Cool & Intact
Project Number:	700348.132.02	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S-4 6.5' (H302743-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2013	ND	1.75	87.5	2.00	13.2		
Toluene*	<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0		
Ethylbenzene*	<0.050	0.050	11/14/2013	ND	1.74	87.1	2.00	13.2		
Total Xylenes*	<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7		
Total BTEX	<0.300	0.300	11/14/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	11/14/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/13/2013	ND	197	98.6	200	7.27		
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72		

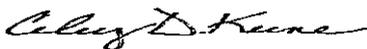
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 11/11/2013
 Reported: 11/18/2013
 Project Name: MERCURY
 Project Number: 700348.132.02
 Project Location: NONE GIVEN

 Sampling Date: 11/07/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-5 6.5' (H302743-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/14/2013	ND	1.75	87.5	2.00	13.2		
Toluene*	<0.050	0.050	11/14/2013	ND	1.75	87.4	2.00	13.0		
Ethylbenzene*	<0.050	0.050	11/14/2013	ND	1.74	87.1	2.00	13.2		
Total Xylenes*	<0.150	0.150	11/14/2013	ND	5.12	85.3	6.00	12.7		
Total BTEX	<0.300	0.300	11/14/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	11/14/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/13/2013	ND	197	98.6	200	7.27		
DRO >C10-C28	<10.0	10.0	11/13/2013	ND	188	94.0	200	9.72		

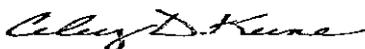
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	11/11/2013	Sampling Date:	11/07/2013
Reported:	11/18/2013	Sampling Type:	Soil
Project Name:	MERCURY	Sampling Condition:	Cool & Intact
Project Number:	700348.132.02	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: S-6 6.5' (H302743-06)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<2.00	2.00	11/14/2013	ND	1.75	87.5	2.00	13.2		
Toluene*	4.67	2.00	11/14/2013	ND	1.75	87.4	2.00	13.0		
Ethylbenzene*	6.26	2.00	11/14/2013	ND	1.74	87.1	2.00	13.2		
Total Xylenes*	62.7	6.00	11/14/2013	ND	5.12	85.3	6.00	12.7		
Total BTEX	73.6	12.0	11/14/2013	ND						

Surrogate: 4-Bromofluorobenzene (PII) 139 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	11/14/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2580	10.0	11/13/2013	ND	197	98.6	200	7.27		
DRO >C10-C28	6120	10.0	11/13/2013	ND	188	94.0	200	9.72		

Surrogate: 1-Chlorooctane 316 % 65.2-140

Surrogate: 1-Chlorooctadecane 180 % 63.6-154

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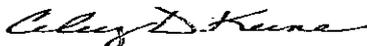
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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