Administrative/Environmental Order



# **AE Order Number Banner**

**Report Description** 

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pGRL1313056741

1RP - 2922

CHEVRON U S A INC

7/26/2016



May 15, 2013

Daniel Dominguez Environmental Plus, Inc. P.O. Box 1558 Eunice, NM 88231

**RE: TBAU #16** 

Enclosed are the results of analyses for samples received by the laboratory on 05/09/13 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager

appreven en vironmental Spe

NMOCD-DIST 1 6/4/13

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# Analytical Results For:

Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

# Sample ID: SP 1 (SURFACE) (H301113-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	<0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	< 0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	50400	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	109 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	119 %	6 63.6-15	4						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:	05/09/2013	Sampling Date:	05/08/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

# Sample ID: SP 1 (2') (H301113-02)

BTEX 8021B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	< 0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	< 0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	

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Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

## \*=Accredited Analyte

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Celey D. Keine

105 %

106 %

65.2-140

63.6-154

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

# Sample ID: SP 1 (3') (H301113-03)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	< 0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	< 0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	107 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	115 %	63.6-15-	4						

## **Cardinal Laboratories**

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

#### Sample ID: SP 1 (5') (H301113-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	< 0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW		_			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	106 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	4						

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## \*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

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# Analytical Results For:

Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

# Sample ID: SP 2 (SURFACE) (H301113-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	< 0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	40400	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	101 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	102 9	63.6-15	4						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

## Sample ID: SP 2 (1') (H301113-06)

BTEX 8021B	mg	kg	Analyze	d By: AP				-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	<0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	106 9	65.2-14	0						

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Surrogate: 1-Chlorooctadecane

#### \*=Accredited Analyte

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Celey D. Keine

110 %

63.6-154

Celey D. Keene, Lab Director/Quality Manager

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Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

# Sample ID: SP 2 (3') (H301113-07)

BTEX 8021B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	< 0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	111 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	118 9	63.6-15	4						

#### **Cardinal Laboratories**

\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

## Sample ID: SP 2 (5') (H301113-08)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	<0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	106 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 9	63.6-15	4						

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\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

## Sample ID: SP 3 (SURFACE) (H301113-09)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	<0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 111 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	103	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110 9	63.6-15	4						

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Received:	05/09/2013	Sampling Date:	05/08/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

# Sample ID: SP 3 (2') (H301113-10)

BTEX 8021B	mg/	'kg	Analyze	d By: AP	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	<0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	< 0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	108 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	118 9	63.6-15	4						

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Received:	05/09/2013	Sampling Date:	05/08/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

## Sample ID: SP 3 (3') (H301113-11)

BTEX 8021B	mg/	kg	Analyze	d By: AP	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3	
Toluene*	<0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6	
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6	
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9	
Total BTEX	<0.300	0.300	05/14/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	6 89.4-12	б						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327	
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653	
Surrogate: 1-Chlorooctane	109 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	117 9	63.6-15	4						

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Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

# Sample ID: SP 3 (5') (H301113-12)

BTEX 8021B	mg/	kg	Analyze	d By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050 0.050		05/14/2013	ND	1.94	96.9	2.00	15.3			
Toluene*	< 0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6			
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6			
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9			
Total BTEX	< 0.300	0.300	05/14/2013	ND							
Surrogate: 4-Bromofluorobenzene (PIL	111 9	6 89.4-12	6								
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	112	16.0	05/13/2013	ND	432	108	400	0.00			
TPH 8015M	mg/	kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	05/12/2013	ND	212	106	200	0.327			
DRO >C10-C28	<10.0	10.0	05/12/2013	ND	206	103	200	0.653			
Surrogate: 1-Chlorooctane	98.2	65.2-14	0								
Surrogate: 1-Chlorooctadecane	105 9	63.6-15	4								

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Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

## Sample ID: SP 4 (SURFACE) (H301113-13)

BTEX 8021B	mg/	kg	Analyze	ed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2013	ND	1.94	96.9	2.00	15.3		
Toluene*	<0.050	0.050	05/14/2013	ND	1.74	87.0	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/14/2013	ND	1.84	92.0	2.00	15.6		
Total Xylenes*	<0.150	0.150	05/14/2013	ND	5.34	89.1	6.00	15.9		
Total BTEX	<0.300	0.300	05/14/2013	ND						
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	30000	16.0	05/13/2013	ND	432	108	400	0.00		
TPH 8015M	mg/	kg	Analyze	d By: MS	5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/13/2013	ND	212	106	200	1.66		
DR0 >C10-C28	<b>17.6</b> 10.0		05/13/2013	ND	208	104	200	0.566		
Surrogate: 1-Chlorooctane	108 %	108 % 65.2-140								
Surrogate: 1-Chlorooctadecane	113 %	63.6-15	4							

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Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

## Sample ID: SP 4 (1') (H301113-14)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2013	ND	2.03	101	2.00	6.60	
Toluene*	<0.050	0.050	05/15/2013	ND	1.84	92.2	2.00	6.17	
Ethylbenzene*	<0.050	0.050	05/15/2013	ND	1.98	99.1	2.00	5.16	
Total Xylenes*	<0.150	0.150	05/15/2013	ND	5.91	98.5	6.00	5.31	
Total BTEX	<0.300	0.300	05/15/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	112 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/13/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/13/2013	ND	212	106	200	1.66	
DRO >C10-C28	<10.0	10.0	05/13/2013	ND	208	104	200	0.566	
Surrogate: 1-Chlorooctane	107 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	6 63.6-15	4						

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Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

## Sample ID: SP 4 (3') (H301113-15)

BTEX 8021B	mg/	kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	< 0.050	0.050	05/15/2013	ND	2.03	101	2.00	6.60		
Toluene*	<0.050	0.050	05/15/2013	ND	1.84	92.2	2.00	6.17		
Ethylbenzene*	<0.050	0.050	05/15/2013	ND	1.98	99.1	2.00	5.16		
Total Xylenes*	<0.150	0.150	05/15/2013	ND	5.91	98.5	6.00	5.31		
Total BTEX	<0.300	0.300	05/15/2013	ND						
Surrogate: 4-Bromofluorobenzene (PIL	112 9	89.4-12	6							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/13/2013	ND	432	108	400	0.00		
TPH 8015M	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/13/2013	ND	212	106	200	1.66		
DRO >C10-C28	<10.0	10.0	05/13/2013	ND	208	104	200	0.566		
Surrogate: 1-Chlorooctane	107 % 65.2-140		0							
Surrogate: 1-Chlorooctadecane	114 9	63.6-15	4							

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# Analytical Results For:

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Received:	05/09/2013	Sampling Date:	05/07/2013
Reported:	05/15/2013	Sampling Type:	Soil
Project Name:	TBAU #16	Sampling Condition:	Cool & Intact
Project Number:	UL-L SEC. 23, T12S, R38E	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

## Sample ID: SP 4 (5') (H301113-16)

BTEX 8021B	mg/	kg	Analyze	d By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	05/15/2013	ND	2.03	101	2.00	6.60			
Toluene*	<0.050	0.050	05/15/2013	ND	1.84	92.2	2.00	6.17			
Ethylbenzene*	<0.050	0.050	05/15/2013	ND	1.98	99.1	2.00	5.16			
Total Xylenes*	<0.150	0.150	05/15/2013	ND	5.91	98.5	6.00	5.31			
Total BTEX	<0.300	0.300	05/15/2013	ND							
Surrogate: 4-Bromofluorobenzene (PIL	110 9	6 89.4-12	6								
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	64.0	16.0	05/13/2013	ND	432	108	400	0.00			
TPH 8015M	mg/	kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	05/13/2013	ND	212	106	200	1.66			
DRO >C10-C28	<10.0	10.0	05/13/2013	ND	208	104	200	0.566			
Surrogate: 1-Chlorooctane	102 9	65.2-14	0								
Surrogate: 1-Chlorooctadecane	107 9	63.6-15	4								

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## **Notes and Definitions**

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 SM4500CI-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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	Delivered by:	Relinquished by:	Lord Fola	Sampler Relinquished >	10 8	5 6	88	78	8 9	5 8	4 8	3 8	2 8	18	LAB I.D.		<b>EPI Sampler Name</b>	<b>Project Reference</b>	Location	Facility Name	<b>Client Company</b>	EPI Phone#/Fax#	City, State, Zip	Mailing Address	<b>EPI Project Manager</b>	<b>Company Name</b>	(575) 394-3481 F.	2100 Avenue O, Eunice, NM 88231	Environmental	
	400	10/00 10/00	Arr Time &: Wen	Date 7.0	SP3 (2')	SP3 (Surface)	SP2 (5')	SP2 (3')	SP2 (1')	SP2 (Surface)	SP1 (5')	SP1 (3')	SP1 (2')	SP1 (Surface)	SAMPLE I.D.		e David Robinson		UL-L Sec. 23, T1	<b>TBAU #16</b>	Chesapeake Energy	575-394-3481 / 575-394-2601	Eunice New Mexico	P.O. BOX 1558	ger Daniel Dominguez	Environmental Plus, Inc.	FAX: (575) 394-2601	unice, NM 88231	iental Plus, Ind	
	Sample doi & Intact	20		器												_			T12S, R		8Å	75-39	lico 8		ez	lus, I		-	:	
	dol &	<b>O</b>	Day	Received By	G	G	G	G	G	ଜ	G	G	G	G	(G)RAB OR (C)OMF # CONTAINERS	•.			<b>R38E</b>			4-26	88231			nc.		0.		
	No		10	d By:		$\vdash$	Н		Н		Н		-	-	GROUND WATER							Š						P.O. Box 1558, Eunice, NM 88231		
		(labig)aff	3			$\vdash$	Н		Н		H	H	H		WASTEWATER													15		
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