

December 15, 2014

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

RE: ADU #816

Enclosed are the results of analyses for samples received by the laboratory on 12/08/14 15:46.

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](http://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:**

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

Received:	12/08/2014	Sampling Date:	12/05/2014
Reported:	12/15/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

**Sample ID: B 1 (18') (H403738-01)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	<0.050	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	<0.050	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	<0.150	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	<0.300	0.300	12/11/2014	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2480</b>	16.0	12/09/2014	ND	400	100	400	0.00	

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	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	<10.0	10.0	12/10/2014	ND	201	100	200	0.909	

*Surrogate: 1-Chlorooctane 86.6 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 83.3 % 52.1-176*

Cardinal Laboratories

\*=Accredited Analyte

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Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

**Sample ID: B 2 (18') (H403738-02)**

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25		
Toluene*	<0.050	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01		
Ethylbenzene*	<0.050	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87		
Total Xylenes*	<0.150	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73		
Total BTEX	<0.300	0.300	12/11/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>7200</b>	16.0	12/09/2014	ND	400	100	400	0.00		

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	12/10/2014	ND	188	93.9	200	0.211		
DRO >C10-C28	<10.0	10.0	12/10/2014	ND	201	100	200	0.909		

Surrogate: 1-Chlorooctane 92.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.0 % 52.1-176

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\*=Accredited Analyte

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Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

**Sample ID: B 3 (18') (H403738-03)**

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25		
Toluene*	<0.050	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01		
Ethylbenzene*	<0.050	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87		
Total Xylenes*	<0.150	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73		
Total BTEX	<0.300	0.300	12/11/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>6640</b>	16.0	12/09/2014	ND	400	100	400	0.00		

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	12/10/2014	ND	188	93.9	200	0.211		
DRO >C10-C28	<10.0	10.0	12/10/2014	ND	201	100	200	0.909		

Surrogate: 1-Chlorooctane 88.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.4 % 52.1-176

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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 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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Celey D. Keene, Lab Director/Quality Manager

