



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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July 24, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #303H

Enclosed are the results of analyses for samples received by the laboratory on 07/18/14 15:30.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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:	07/18/2014	Sampling Date:	07/17/2014
Reported:	07/24/2014	Sampling Type:	Soil
Project Name:	PLU #303H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	UL-N SEC.4, T25S, R31E		

**Sample ID: SP 1 (1') (H402201-01)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>6.72</b>	5.00	07/24/2014	ND	1.80	90.2	2.00	2.23	
<b>Toluene*</b>	<b>78.7</b>	5.00	07/24/2014	ND	1.86	93.1	2.00	2.92	
<b>Ethylbenzene*</b>	<b>30.6</b>	5.00	07/24/2014	ND	1.88	94.2	2.00	2.95	
<b>Total Xylenes*</b>	<b>130</b>	15.0	07/24/2014	ND	5.68	94.7	6.00	3.26	
<b>Total BTX</b>	<b>246</b>	30.0	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	<16.0	16.0	07/22/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>5440</b>	50.0	07/22/2014	ND	178	89.2	200	0.874		
<b>DRO &gt;C10-C28</b>	<b>12800</b>	50.0	07/22/2014	ND	193	96.5	200	0.722		
<b>EXT DRO &gt;C28-C35</b>	<b>1760</b>	50.0	07/22/2014	ND						

Surrogate: 1-Chlorooctane 226 % 65.2-140

Surrogate: 1-Chlorooctadecane 266 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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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: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 1 (2') (H402201-02)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	12.1	5.00	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	106	5.00	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	36.3	5.00	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	155	15.0	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTEX	309	30.0	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	<16.0	16.0	07/22/2014	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	6350	50.0	07/22/2014	ND	188	93.9	200	0.985	
DRO >C10-C28	13300	50.0	07/22/2014	ND	201	101	200	2.25	
EXT DRO >C28-C35	1870	50.0	07/22/2014	ND					

Surrogate: 1-Chlorooctane 240 % 65.2-140

Surrogate: 1-Chlorooctadecane 277 % 63.6-154

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\*=Accredited Analyte

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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: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 1 (3') (H402201-03)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	36.3	5.00	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	239	5.00	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	68.3	5.00	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	302	15.0	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTEX	646	30.0	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	07/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>13900</b>	100	07/22/2014	ND	188	93.9	200	0.985	
<b>DRO &gt;C10-C28</b>	<b>25100</b>	100	07/22/2014	ND	201	101	200	2.25	
<b>EXT DRO &gt;C28-C35</b>	<b>3550</b>	100	07/22/2014	ND					

Surrogate: 1-Chlorooctane 461 % 65.2-140

Surrogate: 1-Chlorooctadecane 543 % 63.6-154

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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:	07/18/2014	Sampling Date:	07/17/2014
Reported:	07/24/2014	Sampling Type:	Soil
Project Name:	PLU #303H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	UL-N SEC.4, T25S, R31E		

**Sample ID: SP 1 (4') (H402201-04)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.1	5.00	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	105	5.00	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	39.3	5.00	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	170	15.0	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTEX	325	30.0	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	16.0	16.0	07/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>5710</b>	50.0	07/23/2014	ND	188	93.9	200	0.985	
<b>DRO &gt;C10-C28</b>	<b>12900</b>	50.0	07/23/2014	ND	201	101	200	2.25	
<b>EXT DRO &gt;C28-C35</b>	<b>1800</b>	50.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 321 % 65.2-140

Surrogate: 1-Chlorooctadecane 285 % 63.6-154

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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:	07/18/2014	Sampling Date:	07/17/2014
Reported:	07/24/2014	Sampling Type:	Soil
Project Name:	PLU #303H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	UL-N SEC.4, T25S, R31E		

**Sample ID: SP 1 (5') (H402201-05)**

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	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	<0.050	0.050	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	<0.050	0.050	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	<0.150	0.150	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTEX	<0.300	0.300	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	80.0	16.0	07/22/2014	ND	416	104	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	07/23/2014	ND	188	93.9	200	0.985	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	201	101	200	2.25	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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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: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 1 (7') (H402201-06)**

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	07/24/2014	ND	1.80	90.2	2.00	2.23		
Toluene*	<0.050	0.050	07/24/2014	ND	1.86	93.1	2.00	2.92		
Ethylbenzene*	<0.050	0.050	07/24/2014	ND	1.88	94.2	2.00	2.95		
Total Xylenes*	<0.150	0.150	07/24/2014	ND	5.68	94.7	6.00	3.26		
Total BTEx	<0.300	0.300	07/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	64.0	16.0	07/22/2014	ND	416	104	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	11.3	10.0	07/23/2014	ND	188	93.9	200	0.985	
DRO >C10-C28	226	10.0	07/23/2014	ND	201	101	200	2.25	
EXT DRO >C28-C35	37.2	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 99.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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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: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 2 (1') (H402201-07)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	21.0	5.00	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	168	5.00	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	49.3	5.00	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	209	15.0	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTEX	447	30.0	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	32.0	16.0	07/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>5210</b>	50.0	07/23/2014	ND	188	93.9	200	0.985	
<b>DRO &gt;C10-C28</b>	<b>9950</b>	50.0	07/23/2014	ND	201	101	200	2.25	
<b>EXT DRO &gt;C28-C35</b>	<b>1400</b>	50.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 197 % 65.2-140

Surrogate: 1-Chlorooctadecane 231 % 63.6-154

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Fax To: (505) 394-2601

Received: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 2 (2') (H402201-08)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	23.5	2.00	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	130	2.00	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	35.0	2.00	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	159	6.00	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTEX	348	12.0	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	64.0	16.0	07/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>6150</b>	50.0	07/23/2014	ND	188	93.9	200	0.985	
<b>DRO &gt;C10-C28</b>	<b>10400</b>	50.0	07/23/2014	ND	201	101	200	2.25	
<b>EXT DRO &gt;C28-C35</b>	<b>1450</b>	50.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 203 % 65.2-140

Surrogate: 1-Chlorooctadecane 237 % 63.6-154

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\*=Accredited Analyte

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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:	07/18/2014	Sampling Date:	07/17/2014
Reported:	07/24/2014	Sampling Type:	Soil
Project Name:	PLU #303H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	UL-N SEC.4, T25S, R31E		

**Sample ID: SP 2 (3') (H402201-09)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.5	2.00	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	80.7	2.00	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	25.5	2.00	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	115	6.00	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTEX	232	12.0	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	16.0	16.0	07/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>4410</b>	50.0	07/23/2014	ND	188	93.9	200	0.985	
<b>DRO &gt;C10-C28</b>	<b>8440</b>	50.0	07/23/2014	ND	201	101	200	2.25	
<b>EXT DRO &gt;C28-C35</b>	<b>1160</b>	50.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 186 % 65.2-140

Surrogate: 1-Chlorooctadecane 212 % 63.6-154

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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: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 2 (4') (H402201-10)**

BTX 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	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	0.050	0.050	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	0.070	0.050	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	0.194	0.150	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTX	0.314	0.300	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	07/22/2014	ND	416	104	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	40.5	10.0	07/23/2014	ND	188	93.9	200	0.985	
DRO >C10-C28	551	10.0	07/23/2014	ND	201	101	200	2.25	
EXT DRO >C28-C35	87.1	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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Received: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 2 (5') (H402201-11)**

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	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	<0.050	0.050	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	<0.050	0.050	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	<0.150	0.150	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTEX	<0.300	0.300	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	16.0	16.0	07/22/2014	ND	416	104	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	07/23/2014	ND	188	93.9	200	0.985	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	201	101	200	2.25	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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Received: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 2 (7') (H402201-12)**

BTX 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	07/24/2014	ND	1.80	90.2	2.00	2.23	
Toluene*	<0.050	0.050	07/24/2014	ND	1.86	93.1	2.00	2.92	
Ethylbenzene*	<0.050	0.050	07/24/2014	ND	1.88	94.2	2.00	2.95	
Total Xylenes*	<0.150	0.150	07/24/2014	ND	5.68	94.7	6.00	3.26	
Total BTX	<0.300	0.300	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	<16.0	16.0	07/22/2014	ND	416	104	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	07/23/2014	ND	188	93.9	200	0.985	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	201	101	200	2.25	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

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Received: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 (1') (H402201-13)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>8.29</b>	1.00	07/24/2014	ND	1.80	90.2	2.00	2.23	
<b>Toluene*</b>	<b>85.8</b>	1.00	07/24/2014	ND	1.86	93.1	2.00	2.92	
<b>Ethylbenzene*</b>	<b>32.2</b>	1.00	07/24/2014	ND	1.88	94.2	2.00	2.95	
<b>Total Xylenes*</b>	<b>160</b>	3.00	07/24/2014	ND	5.68	94.7	6.00	3.26	
<b>Total BTX</b>	<b>286</b>	6.00	07/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 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	<16.0	16.0	07/22/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>5680</b>	50.0	07/23/2014	ND	188	93.9	200	0.985		
<b>DRO &gt;C10-C28</b>	<b>13100</b>	50.0	07/23/2014	ND	201	101	200	2.25		
<b>EXT DRO &gt;C28-C35</b>	<b>1850</b>	50.0	07/23/2014	ND						

Surrogate: 1-Chlorooctane 232 % 65.2-140

Surrogate: 1-Chlorooctadecane 283 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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Received: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 (2') (H402201-14)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	21.2	5.00	07/23/2014	ND	2.14	107	2.00	2.95	
Toluene*	126	5.00	07/23/2014	ND	2.21	110	2.00	4.35	
Ethylbenzene*	51.6	5.00	07/23/2014	ND	2.24	112	2.00	3.99	
Total Xylenes*	212	15.0	07/23/2014	ND	6.85	114	6.00	4.88	
Total BTEX	411	30.0	07/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 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
<b>Chloride</b>	<b>16.0</b>	16.0	07/22/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5790	50.0	07/23/2014	ND	188	93.9	200	0.985	
DRO >C10-C28	11700	50.0	07/23/2014	ND	201	101	200	2.25	
EXT DRO >C28-C35	1660	50.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 210 % 65.2-140

Surrogate: 1-Chlorooctadecane 262 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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Received: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 (3') (H402201-15)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	10.4	5.00	07/23/2014	ND	2.14	107	2.00	2.95	
Toluene*	74.5	5.00	07/23/2014	ND	2.21	110	2.00	4.35	
Ethylbenzene*	33.3	5.00	07/23/2014	ND	2.24	112	2.00	3.99	
Total Xylenes*	137	15.0	07/23/2014	ND	6.85	114	6.00	4.88	
Total BTX	255	30.0	07/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	32.0	16.0	07/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>3910</b>	50.0	07/23/2014	ND	188	93.9	200	0.985	
<b>DRO &gt;C10-C28</b>	<b>8390</b>	50.0	07/23/2014	ND	201	101	200	2.25	
<b>EXT DRO &gt;C28-C35</b>	<b>1200</b>	50.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 186 % 65.2-140

Surrogate: 1-Chlorooctadecane 214 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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Fax To: (505) 394-2601

Received: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 (4') (H402201-16)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	60.4	10.0	07/23/2014	ND	2.14	107	2.00	2.95	
Toluene*	318	10.0	07/23/2014	ND	2.21	110	2.00	4.35	
Ethylbenzene*	97.4	10.0	07/23/2014	ND	2.24	112	2.00	3.99	
Total Xylenes*	401	30.0	07/23/2014	ND	6.85	114	6.00	4.88	
Total BTEX	877	60.0	07/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	32.0	16.0	07/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>14700</b>	50.0	07/23/2014	ND	188	93.9	200	0.985	
<b>DRO &gt;C10-C28</b>	<b>25000</b>	50.0	07/23/2014	ND	201	101	200	2.25	
<b>EXT DRO &gt;C28-C35</b>	<b>3320</b>	50.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 467 % 65.2-140

Surrogate: 1-Chlorooctadecane 540 % 63.6-154

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Fax To: (505) 394-2601

Received: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 (5') (H402201-17)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	33.6	10.0	07/23/2014	ND	2.14	107	2.00	2.95	
Toluene*	217	10.0	07/23/2014	ND	2.21	110	2.00	4.35	
Ethylbenzene*	89.0	10.0	07/23/2014	ND	2.24	112	2.00	3.99	
Total Xylenes*	370	30.0	07/23/2014	ND	6.85	114	6.00	4.88	
Total BTEX	710	60.0	07/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	16.0	16.0	07/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>10900</b>	50.0	07/23/2014	ND	188	93.9	200	0.985	
<b>DRO &gt;C10-C28</b>	<b>23300</b>	50.0	07/23/2014	ND	201	101	200	2.25	
<b>EXT DRO &gt;C28-C35</b>	<b>3300</b>	50.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 331 % 65.2-140

Surrogate: 1-Chlorooctadecane 523 % 63.6-154

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\*=Accredited Analyte

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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: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 (7') (H402201-18)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.067	0.050	07/23/2014	ND	2.14	107	2.00	2.95	
Toluene*	0.237	0.050	07/23/2014	ND	2.21	110	2.00	4.35	
Ethylbenzene*	0.269	0.050	07/23/2014	ND	2.24	112	2.00	3.99	
Total Xylenes*	1.05	0.150	07/23/2014	ND	6.85	114	6.00	4.88	
Total BTX	1.62	0.300	07/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 148 % 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		
<b>Chloride</b>	<b>32.0</b>	16.0	07/22/2014	ND	416	104	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	46.9	10.0	07/23/2014	ND	188	93.9	200	0.985		
DRO >C10-C28	446	10.0	07/23/2014	ND	201	101	200	2.25		
EXT DRO >C28-C35	75.2	10.0	07/23/2014	ND						

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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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: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 (9') (H402201-19)**

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	07/23/2014	ND	2.14	107	2.00	2.95	
Toluene*	<0.050	0.050	07/23/2014	ND	2.21	110	2.00	4.35	
Ethylbenzene*	<0.050	0.050	07/23/2014	ND	2.24	112	2.00	3.99	
Total Xylenes*	<0.150	0.150	07/23/2014	ND	6.85	114	6.00	4.88	
Total BTEx	<0.300	0.300	07/23/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	96.0	16.0	07/22/2014	ND	416	104	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	07/23/2014	ND	188	93.9	200	0.985	
DRO >C10-C28	10.9	10.0	07/23/2014	ND	201	101	200	2.25	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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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: 07/18/2014  
Reported: 07/24/2014  
Project Name: PLU #303H  
Project Number: NONE GIVEN  
Project Location: UL-N SEC.4, T25S, R31E

Sampling Date: 07/17/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 (10') (H402201-20)**

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	07/23/2014	ND	2.14	107	2.00	2.95		
Toluene*	<0.050	0.050	07/23/2014	ND	2.21	110	2.00	4.35		
Ethylbenzene*	<0.050	0.050	07/23/2014	ND	2.24	112	2.00	3.99		
Total Xylenes*	<0.150	0.150	07/23/2014	ND	6.85	114	6.00	4.88		
Total BTEx	<0.300	0.300	07/23/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	16.0	16.0	07/22/2014	ND	416	104	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	07/23/2014	ND	188	93.9	200	0.985	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	201	101	200	2.25	
EXT DRO >C28-C35	<10.0	10.0	07/23/2014	ND					

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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Celey D. Keene, Lab Director/Quality Manager



## Chain of Custody Form

## Cardinal

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15.20.557



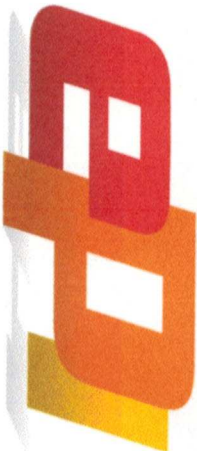
# Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form  
LAB Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	Daniel Dominguez
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	BOPCO
Facility Name	PLU #303H
Location	UL-N Sec. 4, T25S, R31E
Project Reference	
EPI Sampler Name	David Robinson



Attn: Daniel Dominguez  
P.O. Box 1558  
Eunice, NM 88231

Bill To

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.		MATRIX							PRESERV.		SAMPLING									
		# CONTAINERS		GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>2-</sup> )	pH	TCCLP	OTHER >>>	PAH
H4039004		1	1			X					X		17-Jul-14	11:59	X	X	X					
		1	1			X					X		17-Jul-14	12:00	X	X	X					
		1	1			X					X		17-Jul-14	2:00	X	X	X					
		1	1			X					X		17-Jul-14	2:01	X	X	X					
		1	1			X					X		17-Jul-14	2:02	X	X	X					
		1	1			X					X		17-Jul-14	2:03	X	X	X					
		1	1			X					X		17-Jul-14	2:04	X	X	X					
		1	1			X					X		17-Jul-14	2:05	X	X	X					
		1	1			X					X		17-Jul-14	2:06	X	X	X					
		1	1			X					X		17-Jul-14	2:40	X	X	X					

Sampler Relinquished By:	Date: 7/14/14	Received By:	Date: 7/14/14
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Relinquished by:	Date: 7/14/14	Received By: (lab staff)	Date: 7/14/14
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Delivered by:	Sample Cool & Intact	Yes	No	Checked By:
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NOTES: E-mail results to: ddominguezepi@gmail.com & bblevins@basspet.com

5-20-A54