



31 March 2015

Mr. Mike Bratcher
Environmental Specialist
NMOCD
811 S. First St.
Artesia, New Mexico 88210

RE: Remediation Progress Report and Closure Proposal
XTO Energy – ADU #816
UL-D, Section 4, Township 21 South, Range 27 East
Eddy County, New Mexico
NMOCD Reference # 2RP-2674

Mr. Bratcher:

The following *Remediation Progress Report and Closure Proposal* serves as a condensed update on remedial activities undertaken and closure proposal for the above referenced Site.

Remediation Progress:

EPI personnel mobilized on the site on November 10, 2014 to collect soil samples to determine the vertical extent of contamination. A total of eleven (11) soil samples were collected at varying depths from three (3) sample locations; SP1 – SP3. All samples were sent to Cardinal Labs for testing. Laboratory analytical results indicate Benzene and BTEX concentrations do not exceed NMOCD Recommended Remedial Action Levels (NMOCD RRALs) of 10 mg/Kg and 50 mg/Kg, respectively, at any depth. However TPH concentrations exceeded NMOCD RRALs of 250 mg/Kg in SP2 at one (1) foot bgs and SP3 at one (1) and four (4) feet bgs. Chloride concentrations exceeded NMOCD RRALs in all samples to a depth of four (4) feet bgs.

From November 11 through 20, 2014 approximately 960 tons of contaminated material were excavated and transported to state approved facility for disposal. At the conclusion of excavation activities six (6) soil samples, SW1 – SW6, were collected from excavation sidewalls and three (3) soil samples, B1 – B3, were collected from the excavation floor. Samples were sent to Cardinal Labs in Hobbs for testing.

On December 5, 2014 sample locations B1 – B3 from the excavation floor were re-drilled with soil samples collected at eighteen (18) feet bgs. Then on January 19, 2015 sample point SP2 was re-drilled with a soil sample collected at thirty-two (32) bgs. All samples were sent to Cardinal Labs for testing.

Laboratory analytical results indicate the excavation sidewalls and floor are void of Benzene, BTEX, and TPH concentrations in excess of NMOCD RRALs of 10 mg/Kg, 50 mg/Kg, and 100 mg/Kg respectively. However, Chloride concentrations exceed NMOCD RRALs of 250 mg/Kg in all samples other than SW3 and SW5 (reference *Figure 4* and *Table 2*).

Closure Proposal:

Sidewalls of the excavation will be excavated in two (2) foot increments until Chloride concentrations are below NMOCD RRALs. However, taking into consideration the vertical depth of contamination, it would require a very large excavation for removal of all Chloride impacted soil to a depth between approximately four (4) and thirty-two (32) vertical feet. In lieu of this, EPI proposes to place a twenty (20) mil thick polyethylene liner in the bottom of the excavated area (reference *Figure 5*). Bottom of the polyethylene liner will lay on a one (1) foot thick layer of clean top soil. Remainder of the excavation will be backfilled with selected top soil to finish grade. Top soil will be free of deleterious material or rocks or large clumps.

Backfilling will continue until the entire excavation is closed. Upon completion of backfill activities, the entire disturbed area will be contoured to blend with existing pasture area and protected against wind/water erosion. Disturbed areas will be disced and deep drill seeded with a mixture approved by the property owner. However, it is recommended completing this activity in late spring 2015 when ground conditions are more conducive to vegetative growth.

EPI and XTO personnel are aware this represents a “risk based” closure procedure, but feel it is justified under conditions as described above with the sheer volume of soil that would need to be excavated.

Following completion of remediation activities, EPI will provide a detailed *Final Closure Report* to XTO Energy and NMOCD personnel.

XTO Energy and EPI personnel would welcome an opportunity to briefly discuss the *Closure Proposal* at your earliest convenience. However, should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at ddominguezepi@gmail.com or Mr. John Robinson at (575) 441-5199 or via e-mail at john_robinson@xtoenergy.com. All official communication should be addressed to:

Mr. John Robinson
XTO Energy
P.O. Box 700
Eunice, New Mexico 88231

Sincerely,

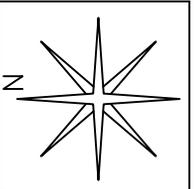
ENVIRONMENTAL PLUS, INC.

Daniel Dominguez
Environmental Consultant

cc: John Robinson – XTO Energy
File

Encl.: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site/Sample Map
Figure 4 – Excavation/Sample Map
Figure 5 – Proposed Liner Location
Table 1 – Well Data
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results
Attachment I – Photographs
Attachment II – Laboratory Analytical Results
Attachment III – Copy of Initial NMOCD Form C-141

FIGURES



REVISED:

DWG By: D Dominguez
March 2015

0 3 6
Miles

SHEET
1 of 1

Eddy County, New Mexico
NW 1/4 of NW 1/4, Sec. 4, T21S, R27E
N 32° 31' 6.16" W 104° 12' 3.98"
Elevation: 3,199 feet amsl

Figure 1
Area Map
XTO Energy
ADU #816



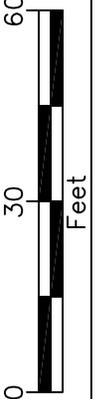
<p>Figure 2 Site Location Map XTO Energy ADU #816</p>	<p>Eddy County, New Mexico NW 1/4 of NW 1/4, Sec. 4, T21S, R27E N 32° 31' 6.16" W 104° 12' 3.98" Elevation: 3,199 feet amsl</p>		<p>DWG By: D Dominguez March 2015</p>	<p>REVISED:</p>	
	<p>0 2,000 4,000 Feet</p>				



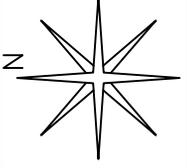
Figure 3
 Sample/Site Map
 XTO Energy
 ADU #816

Eddy County, New Mexico
 NW 1/4 of NW 1/4, Sec. 4, T21S, R27E
 N 32° 31' 6.16" W 104° 12' 3.98"
 Elevation: 3,199 feet amsl

DWG By: D Dominguez
 March 2015



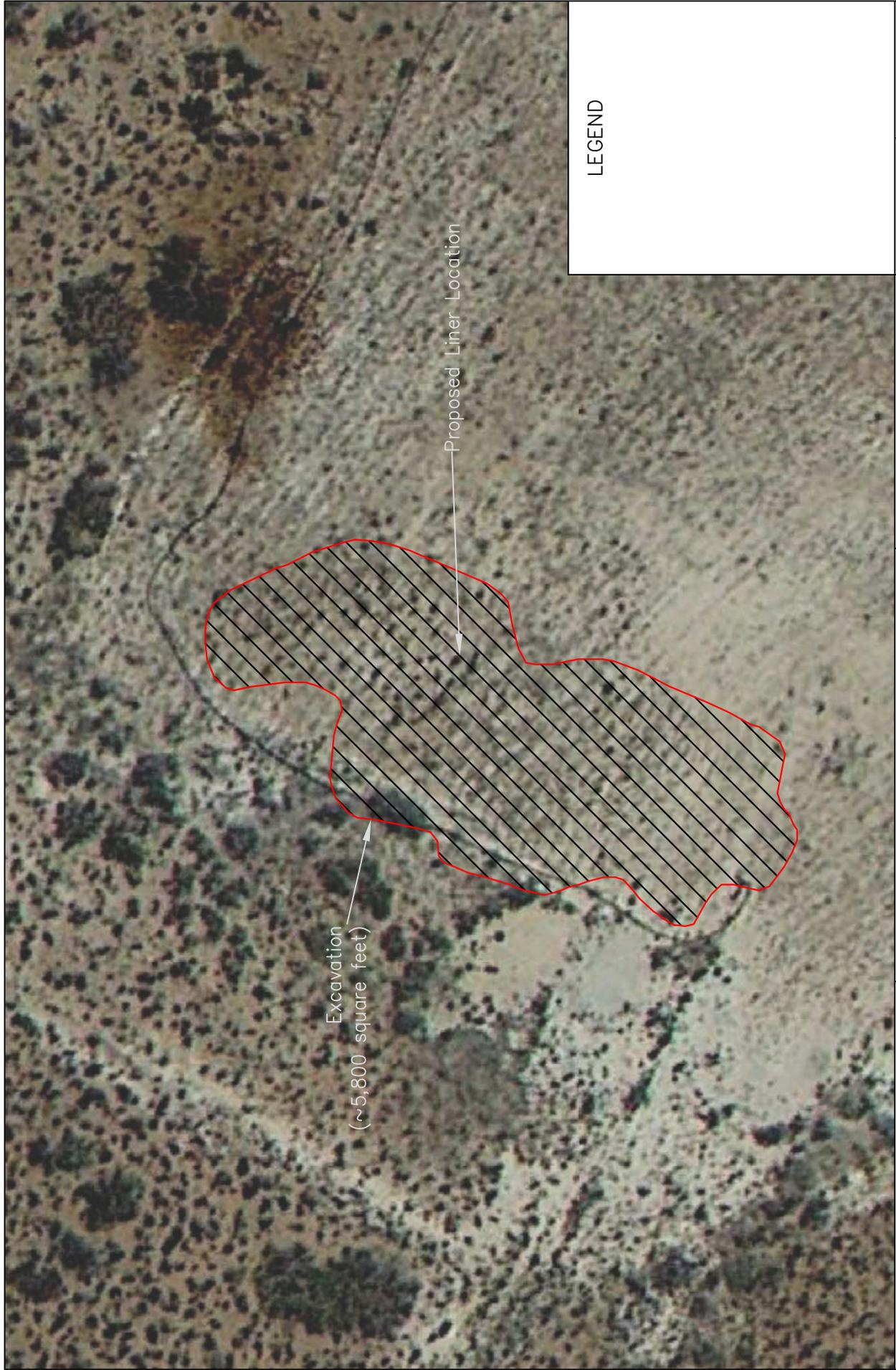
REVISSED:
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 1 of 1



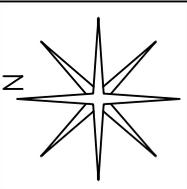
LEGEND
 XSP1 Sample Location



<p>Figure 4 Excavation/Sample Map XTO Energy ADU #816</p>	<p>Eddy County, New Mexico NW 1/4 of NW 1/4, Sec. 4, T21S, R27E N 32° 31' 6.16" W 104° 12' 3.98" Elevation: 3,199 feet amsl</p>	<p>DWG By: D Dominguez March 2015</p> <p>0 30 60 Feet</p>	<p>REVISED: SHEET 1 of 1</p>	<p>LEGEND XSW1 Sample Location</p> <p>N</p>
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LEGEND



REVISED:
SHEET
1 of 1

DWG By: D Dominguez
March 2015

0 30 60
Feet

Eddy County, New Mexico
NW 1/4 of NW 1/4, Sec. 4, T21S, R27E
N 32° 31' 6.16" W 104° 12' 3.98"
Elevation: 3,199 feet amsl

Figure 5
Proposed Liner Location
XTO Energy
ADU #816

TABLES

TABLE 1
Well Data

XTO Energy - ADU #816

Ref #	Well Number	Use	Diversion ^A	Owner	q64	q16	q4	Sec	Twsp	Rng	Eastng	Northing	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
1	C 01147	STK	3	GERALD ELMORE				4	21S	27E	575637	3597162	--	3,181	--
2	C 02907	DOL	3	RITA NELSON	3	2	1	3	21S	27E	576959	3597669	29-Jan-03	3,201	14
3	C 01333	PRO	0	HUMBLE OIL & REFINING COMPANY	1	1	4	5	21S	27E	574128	3597045	11-May-66	3,327	350
7	CP 00851	SAN	3	EXXON CORPORATION	4	1	2	31	20S	28E	573791	3599940	14-Sep-95	3,248	115
8	CP 00746	STK	3	BRUCE RIGGS	1	3	4	32	20S	28E	575229	3598948	24-Jan-90	3,206	29
9	CP 00671	DOL	3	MARY WALKER	1	3	3	33	20S	28E	576129	3599260	05-Mar-85	3,209	35
10	CP 00920	STK	3	MATTHEW COX	2	4	1	33	20S	28E	576627	3599766	31-Dec-62	3,209	29
11	CP 00921	COM	13	MATTHEW COX	2	3	1	33	20S	28E	576223	3599763	31-Dec-49	3,210	30
12	CP 00922	STK	3	MATTHEW COX	2	3	3	33	20S	28E	576233	3598956	31-Dec-49	3,207	27
4	C 02482	DOM	3	VERNON W BRAMAN	3	4	8	8	21S	27E	574236	3594942	20-Jan-96	3,249	185
5	C 01330	STK	3	GERALD ELMORE	3	3	3	9	21S	27E	574941	3594849	18-Apr-66	3,240	80
6	C 01339	EXP	0	INDIAN HILLS GAS SYSTEM LTD.	1	1	4	9	21S	27E	575842	3595353	31-Aug-66	3,237	120

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1) and USGS Database

^A = In acre feet per annum

^B = Elevation interpolated from USGS topographical map based on referenced location.

STK = 72-12-1 Livestock watering

DOL = 72-12-1 Domestic and Livestock watering

PRO = 72-12-1 Prospecting or development of Natural Resource

DOM = 72-12-1 Domestic one household

EXP = Exploration

SAN = 72-12-1 Sanitary in conjunction with a commercial use

COM = Commercial

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest

-- = Data not provided on the NM iwaters website

Shaded area indicates wells not shown in Figure 2

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
XTO Energy
ADU #816

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	1	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	6,800
	2	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	10,000
	4	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	10,400
SP2	1	Excavated	10-Nov-14	--	4,000	<0.050	0.050	0.237	0.767	1.05	18.1	545	563	10,100
	2	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	0.053	0.360	0.477	<10.0	54	54	10,400
	3	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	6,530
	4	Excavated	10-Nov-14	--	3,200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	3,600
SP3	1	Excavated	10-Nov-14	--	4,000	<0.050	0.129	0.166	2.530	2.82	<10.0	14,000	14,000	2,760
	2	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	3,880
	3	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	9,860
	4	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	0.261	<0.300	<10.0	527	527	9,200
SW1	2	In Situ	21-Nov-14	--	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	384
SW2	2	In Situ	21-Nov-14	--	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	288
SW3	2	In Situ	21-Nov-14	--	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	48
SW4	2	In Situ	21-Nov-14	--	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	416
SW5	2	In Situ	21-Nov-14	--	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	80
SW6	2	In Situ	21-Nov-14	--	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	288

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
XTO Energy
ADU #816

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
B1	4	In Situ	21-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	13,200
	18	In Situ	05-Dec-14	--	2,480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	2,480
B2	4	In Situ	21-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	14,400
	18	In Situ	05-Dec-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	7,200
B3	4	In Situ	21-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	14,000
	18	In Situ	05-Dec-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	6,640
SP2A	32	In Situ	19-Jan-15	--	--	--	--	--	--	--	--	--	--	8,320
NMOCD Recommended Remedial Action Levels														
				100	10					50			100	250

-- = Not Analyzed

Bold values are in excess of NMOCD Recommended Remedial Action Levels

Shaded values indicates soil has been excavated

ATTACHMENTS

ATTACHMENT I
Photographs



Photograph #1 – Looking north-westerly across excavation



Photograph #2 – Looking north-westerly across excavation



Photograph #3 – Looking northerly across excavation



Photograph #4 – Looking northerly across excavation

ATTACHMENT II
Laboratory Analytical Results



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

November 25, 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 11/19/14 15:48.

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,

A handwritten signature in black ink that reads "Hope S. Moreno". The signature is written in a cursive, flowing style.

Hope S. Moreno For 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:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 1 (1') (H403562-01)

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	11/24/2014	ND	1.76	88.0	2.00	4.65		
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47		
Total BTEX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 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	6880	16.0	11/20/2014	ND	400	100	400	3.92		

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	11/21/2014	ND	207	104	200	0.664		
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554		

Surrogate: 1-Chlorooctane 127 % 47.2-157

Surrogate: 1-Chlorooctadecane 135 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Hope S. Moreno For 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:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 1 (2') (H403562-02)

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	11/24/2014	ND	1.76	88.0	2.00	4.65		
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47		
Total BTEX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 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	10000	16.0	11/20/2014	ND	400	100	400	3.92		

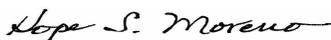
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/21/2014	ND	207	104	200	0.664		
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554		

Surrogate: 1-Chlorooctane 116 % 47.2-157
Surrogate: 1-Chlorooctadecane 128 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Hope S. Moreno For 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:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 1 (4') (H403562-03)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 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	10400	16.0	11/20/2014	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	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554	

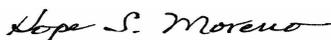
Surrogate: 1-Chlorooctane 119 % 47.2-157

Surrogate: 1-Chlorooctadecane 123 % 52.1-176

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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:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 2 (1') (H403562-04)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	0.237	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	0.767	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	1.05	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 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	10100	16.0	11/20/2014	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	18.1	10.0	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	545	10.0	11/21/2014	ND	218	109	200	0.554	

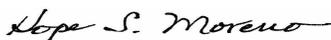
Surrogate: 1-Chlorooctane 120 % 47.2-157

Surrogate: 1-Chlorooctadecane 157 % 52.1-176

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

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 2 (2') (H403562-05)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	0.053	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	0.360	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	0.477	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	10400	16.0	11/20/2014	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	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	54.0	10.0	11/21/2014	ND	218	109	200	0.554	

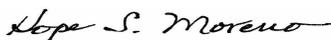
Surrogate: 1-Chlorooctane 128 % 47.2-157

Surrogate: 1-Chlorooctadecane 139 % 52.1-176

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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:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 2 (3') (H403562-06)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 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	6530	16.0	11/20/2014	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	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane 128 % 47.2-157

Surrogate: 1-Chlorooctadecane 140 % 52.1-176

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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:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 2 (4') (H403562-07)

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	11/24/2014	ND	1.76	88.0	2.00	4.65		
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47		
Total BTEX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 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	3600	16.0	11/20/2014	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	11/21/2014	ND	207	104	200	0.664		
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554		

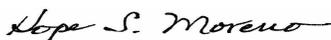
Surrogate: 1-Chlorooctane 126 % 47.2-157

Surrogate: 1-Chlorooctadecane 137 % 52.1-176

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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:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 3 (1') (H403562-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	0.129	0.100	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	0.166	0.100	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	2.53	0.300	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	2.82	0.600	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	2760	16.0	11/20/2014	ND	432	108	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	
GRO C6-C10	<200	200	11/22/2014	ND	207	104	200	0.664		
DRO >C10-C28	14000	200	11/22/2014	ND	218	109	200	0.554		

Surrogate: 1-Chlorooctane 155 % 47.2-157

Surrogate: 1-Chlorooctadecane 423 % 52.1-176

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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:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 3 (2') (H403562-09)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 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	3880	16.0	11/20/2014	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	11/22/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/22/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane 121 % 47.2-157

Surrogate: 1-Chlorooctadecane 132 % 52.1-176

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

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 3 (3') (H403562-10)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9860	16.0	11/20/2014	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	11/22/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/22/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane 125 % 47.2-157

Surrogate: 1-Chlorooctadecane 136 % 52.1-176

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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:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	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: SP 3 (4') (H403562-11)

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	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	0.261	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	9200	16.0	11/20/2014	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	11/22/2014	ND	207	104	200	0.664	
DRO >C10-C28	527	10.0	11/22/2014	ND	218	109	200	0.554	

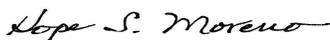
Surrogate: 1-Chlorooctane 123 % 47.2-157

Surrogate: 1-Chlorooctadecane 141 % 52.1-176

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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



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.		Bill To		ANALYSIS REQUEST															
EPI Project Manager		Daniel Dominguez		Attn: Daniel Dominguez		P.O. Box 1558 Eunice, NM 88231															
Mailing Address		P.O. BOX 1558		Eunice New Mexico 88231																	
City, State, Zip		Eunice New Mexico 88231		Eunice New Mexico 88231																	
EPI Phone#/Fax#		575-394-3481 / 575-394-2601		Eunice, NM 88231																	
Client Company		XTO		Eunice, NM 88231																	
Facility Name		ADU #816		Eunice, NM 88231																	
Location		UL-D Sec. 4, T21S, R27E		Eunice, NM 88231																	
Project Reference				Eunice, NM 88231																	
EPI Sampler Name		Dustin Crockett		Eunice, NM 88231																	
LAB I.D.		H4D351628		Eunice, NM 88231																	
SAMPLE I.D.				Eunice, NM 88231																	
		(G)RAB OR (C)OMP.		Eunice, NM 88231																	
		# CONTAINERS		Eunice, NM 88231																	
		GROUND WATER		Eunice, NM 88231																	
		WASTEWATER		Eunice, NM 88231																	
		SOIL		Eunice, NM 88231																	
		CRUDE OIL		Eunice, NM 88231																	
		SLUDGE		Eunice, NM 88231																	
		OTHER:		Eunice, NM 88231																	
		ACID/BASE		Eunice, NM 88231																	
		ICE/COOL		Eunice, NM 88231																	
		OTHER		Eunice, NM 88231																	
		DATE		Eunice, NM 88231																	
		TIME		Eunice, NM 88231																	
		BTEX 8021B		Eunice, NM 88231																	
		TPH 8015M		Eunice, NM 88231																	
		CHLORIDES (Cl ⁻)		Eunice, NM 88231																	
		SULFATES (SO ₄ ²⁻)		Eunice, NM 88231																	
		pH		Eunice, NM 88231																	
		TCLP		Eunice, NM 88231																	
		OTHER >>>		Eunice, NM 88231																	
		PAH		Eunice, NM 88231																	
1 SP1 (1')		G		1		X		X		X		X		X		X		X		X	
2 SP1 (2')		G		1		X		X		X		X		X		X		X		X	
3 SP1 (4')		G		1		X		X		X		X		X		X		X		X	
4 SP2 (1')		G		1		X		X		X		X		X		X		X		X	
5 SP2 (2')		G		1		X		X		X		X		X		X		X		X	
6 SP2 (3')		G		1		X		X		X		X		X		X		X		X	
7 SP2 (4')		G		1		X		X		X		X		X		X		X		X	
8 SP3 (1')		G		1		X		X		X		X		X		X		X		X	
9 SP3 (2')		G		1		X		X		X		X		X		X		X		X	
10 SP3 (3')		G		1		X		X		X		X		X		X		X		X	

E-mail results to: ddominguezepi@gmail.com & rbooneepi@gmail.com

Sample Reinducted by: *[Signature]*
 Date: 11/14/14
 Time: 3:45pm

Received By: *[Signature]*
 Date: 11/14/14
 Time: 3:45pm
 Received By: (lab sta) *[Signature]*
 Sample Cool & Intact: Yes

Checked By: *[Signature]*

Delivered by: *[Signature]*
 -2:30
 #54

December 03, 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 11/24/14 15:40.

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:

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

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	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: SW 1 (2') (H403620-01)

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	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	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	384	16.0	11/25/2014	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	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane 129 % 47.2-157
Surrogate: 1-Chlorooctadecane 147 % 52.1-176

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:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	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: SW 2 (2') (H403620-02)

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	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	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	288	16.0	11/25/2014	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	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane 117 % 47.2-157

Surrogate: 1-Chlorooctadecane 129 % 52.1-176

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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:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	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: SW 3 (2') (H403620-03)

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	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	48.0	16.0	11/25/2014	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	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane 116 % 47.2-157

Surrogate: 1-Chlorooctadecane 130 % 52.1-176

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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:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	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: SW 4 (2') (H403620-04)

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	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	416	16.0	11/25/2014	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	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane 126 % 47.2-157

Surrogate: 1-Chlorooctadecane 138 % 52.1-176

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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:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	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: SW 5 (2') (H403620-05)

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	12/02/2014	ND	1.65	82.7	2.00	10.4		
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1		
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64		
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1		
Total BTEX	<0.300	0.300	12/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	80.0	16.0	11/25/2014	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	11/25/2014	ND	197	98.7	200	0.107		
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15		

Surrogate: 1-Chlorooctane 126 % 47.2-157

Surrogate: 1-Chlorooctadecane 138 % 52.1-176

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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:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	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: SW 6 (2') (H403620-06)

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	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	288	16.0	11/25/2014	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	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane 120 % 47.2-157

Surrogate: 1-Chlorooctadecane 130 % 52.1-176

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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:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	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 (4') (H403620-07)

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	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	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	13200	16.0	11/25/2014	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	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane 119 % 47.2-157
Surrogate: 1-Chlorooctadecane 133 % 52.1-176

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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:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	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 2 (4') (H403620-08)

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	12/02/2014	ND	1.65	82.7	2.00	10.4		
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1		
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64		
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1		
Total BTEX	<0.300	0.300	12/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	14400	16.0	11/25/2014	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	11/25/2014	ND	197	98.7	200	0.107		
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15		

Surrogate: 1-Chlorooctane 111 % 47.2-157

Surrogate: 1-Chlorooctadecane 126 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	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 3 (4') (H403620-09)

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	12/02/2014	ND	1.65	82.7	2.00	10.4		
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1		
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64		
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1		
Total BTEX	<0.300	0.300	12/02/2014	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	14000	16.0	11/25/2014	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	11/27/2014	ND	197	98.7	200	0.107		
DRO >C10-C28	<10.0	10.0	11/27/2014	ND	198	99.1	200	1.15		

Surrogate: 1-Chlorooctane 108 % 47.2-157
Surrogate: 1-Chlorooctadecane 123 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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



Celey D. Keene, Lab Director/Quality Manager

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.

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
Chloride	2480	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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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 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	7200	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

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:	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 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	
Chloride	6640	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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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



Celey D. Keene, Lab Director/Quality Manager

Environmental Plus, Inc.

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

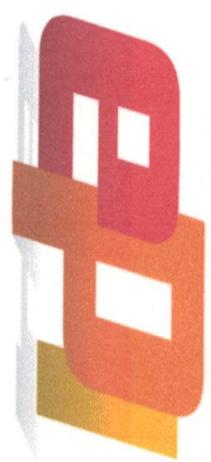
P.O. Box 1558, Eunice, NM 88231

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: XTO
 Facility Name: ADU #816
 Location: UL-D Sec. 4, T21S, R27E
 Project Reference: Dustin Crockett
 EPI Sampler Name: Dustin Crockett

Bill To



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

ANALYSIS REQUEST

<input type="checkbox"/>	BTEX 8021B
<input type="checkbox"/>	TPH 8015M
<input type="checkbox"/>	CHLORIDES (Cl ⁻)
<input type="checkbox"/>	SULFATES (SO ₄ ²⁻)
<input type="checkbox"/>	pH
<input type="checkbox"/>	TCLP
<input type="checkbox"/>	OTHER >>>
<input type="checkbox"/>	PAH

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING		DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ICE/COOL	OTHER										
H403738		G	1			X						05-Dec-14	9:30	X	X	X						
	1 B1 (18')	G	1			X						05-Dec-14	12:15	X	X	X						
	2 B2 (18')	G	1			X						05-Dec-14	13:20	X	X	X						
	3 B3 (18')	G	1			X																
	4																					
	5																					
	6																					
	7																					
	8																					
	9																					
	10																					

Sampler Relinquished: [Signature]

Received By: [Signature]

Date: 12/9/14

Time: 3:44pm

Sample Cool & Intact: Yes No

Checked By: [Signature]

Delivered by: [Signature]

4.42

#54

NOTES: E-mail results to: ddominguezepi@gmail.com & rbooneepi@gmail.com & john_robinson@xtcoenergy.com



January 20, 2015

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 01/20/15 10:04.

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,

A handwritten signature in black ink that reads "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:	01/20/2015	Sampling Date:	01/19/2015
Reported:	01/20/2015	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	** (See Notes)
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 2A (32') (H500178-01)
Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8320	16.0	01/20/2015	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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



Celey D. Keene, Lab Director/Quality Manager

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

Bill To

ANALYSIS REQUEST



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

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		XTO		Facility Name		ADU #816		Location		UL-D Sec. 4, T21S, R27E		Project Reference				EPI Sampler Name		Roger Boone	
LAB I.D.		H500178		SAMPLE I.D.				MATRIX		PRESERV.		SAMPLING		DATE		TIME		BTEX 8021B		TPH 8015M		CHLORIDES (Cl)		SULFATES (SO ₄ ²⁻)		pH		TCLP		OTHER >>>		PAH							
1		SP2A (32")		(G)GRAB OR (C)OMP.		G		# CONTAINERS		1		GROUND WATER		WASTEWATER		SOIL		CRUDE OIL		SLUDGE		OTHER:		ACID/BASE		ICE/COOL		OTHER		19-Jan-15		14:10		X					
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
8																																							
9																																							
10																																							

E-mail results to: ddominguezepi@gmail.com & rbooneepi@gmail.com
 & john_robinson@xtoenergy.com

Relinquished by: Roger Boone
 Date: 1-20-15
 Time: 0700
 Received By: Roger Boone
 Date: 10-09-15
 Time: 10:09
 Received By: (lab staff) John Robinson
 Delivered by: Roger Boone
 Sample Cool & Intact: Yes
 Checked By: John Robinson

ATTACHMENT III
Copy of Initial NMOCD Form C-141

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 17 2014

Form C-141
Revised August 8, 2011

N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

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

Submit Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

NAB1435334041

OPERATOR

X Initial Report Final Report

Name of Company	XTO Energy Inc. 5880	Contact	John Robinson
Address	500 West Illinois, Suite 100 Midland TX 79701	Telephone No.	575-441-5199
Facility Name	ADU 816 (AVALON DELAWARE UNIT)	Facility Type	Injection Well
Surface Owner	Mineral Owner	API No.	3001524696

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	5	21S	27E	563	North	560	East	EDDY

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	5 Oil and 60 Water	Volume Recovered	None
Source of Release	Injection Line	Date and Hour of Occurrence	9-27-14 7:00am	Date and Hour of Discovery	9-27-14 7:00 am
Was Immediate Notice Given?	X Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Jeff Robertson		
By Whom?	John Robinson	Date and Hour	9-27-14 3:00pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes X No	If YES; Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.*					
Corrosion on flow line. Shut in well					
Describe Area Affected and Cleanup Action Taken.*					
Pasture. No action taken yet					
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: <i>John Robinson</i>	OIL CONSERVATION DIVISION	
Printed Name: John Robinson	Approved by Environmental Specialist	Signed By: <i>[Signature]</i>
Title: Maintenance Foreman	Approval Date:	Expiration Date:
E-mail Address: john.robinson@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10-1-14	Phone: 575-441-5199	

* Attach Additional Sheets If Necessary

2RP-2674