



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

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May 13, 2016

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: GOLDENCHILD 6 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 05/10/16 15:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/10/2016  
Reported: 05/13/2016  
Project Name: GOLDENCHILD 6 STATE #1  
Project Number: NONE GIVEN  
Project Location: UL-P SEC. 6, T25S, R29E

Sampling Date: 05/09/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 (1') (H601024-01)**

BTX 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	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTX	<0.300	0.300	05/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 73.6-140

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	05/12/2016	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	05/12/2016	ND	180	89.9	200	6.40	
DRO >C10-C28	<10.0	10.0	05/12/2016	ND	195	97.4	200	4.91	

Surrogate: 1-Chlorooctane 85.6 % 35-147

Surrogate: 1-Chlorooctadecane 97.2 % 28-171

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: 05/10/2016  
Reported: 05/13/2016  
Project Name: GOLDENCHILD 6 STATE #1  
Project Number: NONE GIVEN  
Project Location: UL-P SEC. 6, T25S, R29E

Sampling Date: 05/09/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 (2') (H601024-02)**

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	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTEx	<0.300	0.300	05/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/12/2016	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	05/12/2016	ND	180	89.9	200	6.40	
DRO >C10-C28	<10.0	10.0	05/12/2016	ND	195	97.4	200	4.91	

Surrogate: 1-Chlorooctane 80.5 % 35-147

Surrogate: 1-Chlorooctadecane 86.4 % 28-171

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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: 05/10/2016  
Reported: 05/13/2016  
Project Name: GOLDENCHILD 6 STATE #1  
Project Number: NONE GIVEN  
Project Location: UL-P SEC. 6, T25S, R29E

Sampling Date: 05/01/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 (1') (H601024-03)**

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	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTEx	<0.300	0.300	05/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/12/2016	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	05/12/2016	ND	180	89.9	200	6.40	
DRO >C10-C28	<10.0	10.0	05/12/2016	ND	195	97.4	200	4.91	

Surrogate: 1-Chlorooctane 81.9 % 35-147

Surrogate: 1-Chlorooctadecane 90.8 % 28-171

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

Received: 05/10/2016  
Reported: 05/13/2016  
Project Name: GOLDENCHILD 6 STATE #1  
Project Number: NONE GIVEN  
Project Location: UL-P SEC. 6, T25S, R29E

Sampling Date: 05/09/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 (2') (H601024-04)**

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	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTEx	<0.300	0.300	05/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/12/2016	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	05/12/2016	ND	180	89.9	200	6.40	
DRO >C10-C28	<10.0	10.0	05/12/2016	ND	195	97.4	200	4.91	

Surrogate: 1-Chlorooctane 80.8 % 35-147

Surrogate: 1-Chlorooctadecane 89.6 % 28-171

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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: 05/10/2016  
Reported: 05/13/2016  
Project Name: GOLDENCHILD 6 STATE #1  
Project Number: NONE GIVEN  
Project Location: UL-P SEC. 6, T25S, R29E

Sampling Date: 05/09/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 (1') (H601024-05)**

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	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTEx	<0.300	0.300	05/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/12/2016	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	05/12/2016	ND	180	89.9	200	6.40	
DRO >C10-C28	<10.0	10.0	05/12/2016	ND	195	97.4	200	4.91	

Surrogate: 1-Chlorooctane 79.7 % 35-147

Surrogate: 1-Chlorooctadecane 89.9 % 28-171

Cardinal Laboratories

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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: 05/10/2016  
Reported: 05/13/2016  
Project Name: GOLDENCHILD 6 STATE #1  
Project Number: NONE GIVEN  
Project Location: UL-P SEC. 6, T25S, R29E

Sampling Date: 05/09/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 (2') (H601024-06)**

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	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTEx	<0.300	0.300	05/12/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/12/2016	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	05/12/2016	ND	180	89.9	200	6.40	
DRO >C10-C28	<10.0	10.0	05/12/2016	ND	195	97.4	200	4.91	

Surrogate: 1-Chlorooctane 74.2 % 35-147

Surrogate: 1-Chlorooctadecane 89.3 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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



# Environmental Plus, Inc.

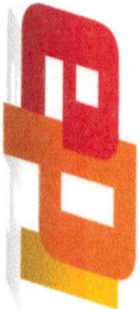
2100 Avenue O, Eunice, NM 88231  
(575) 394-3481 FAX: (575) 394-2601

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 Goldenchild 6 State #1  
Location UL-P Sec. 6, T25S, R29E  
Project Reference  
EPI Sampler Name David Robinson

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		BTEx 8021B	TPH 8015M	CHLORIDES (Cl <sup>-</sup> )	SULFATES (SO <sub>4</sub> <sup>=</sup> )	pH	TCLP	OTHER >>>	PAH	
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE									TIME
H601024 H501025	1 SP1 (1')	G	1			X					X		09-May-16	9:56	X	X	X					
	2 SP1 (2')	G	1			X					X		09-May-16	10:12	X	X	X					
	3 SP2 (1')	G	1			X					X		09-May-16	11:01	X	X	X					
	4 SP2 (2')	G	1			X					X		09-May-16	11:17	X	X	X					
	5 SP3 (1')	G	1			X					X		09-May-16	11:51	X	X	X					
	6 SP3 (2')	G	1			X					X		09-May-16	12:07	X	X	X					
	7																					
	8																					
	9																					
	10																					

Sampler Relinquished:

Date 5/10/16

Received By:

Relinquished By:

Date 5/10/16

Received By: (lab staff)

Delivered by:

Date 5/10/16

Sample Cool & Intact

Checked By:

NOTE: E-mail results to: ddominguezepi@gmail.com & john\_robinson@xtoenergy.com