



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

July 28, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU #89

Enclosed are the results of analyses for samples received by the laboratory on 07/21/14 15:32.

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,

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: 07/21/2014
Reported: 07/28/2014
Project Name: PLU #89
Project Number: NONE GIVEN
Project Location: BOPCO

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (SURFACE) (H402211-01)

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	07/26/2014	ND	1.71	85.3	2.00	0.346	
Toluene*	<0.050	0.050	07/26/2014	ND	1.72	86.0	2.00	1.98	
Ethylbenzene*	<0.050	0.050	07/26/2014	ND	1.70	85.0	2.00	0.0438	
Total Xylenes*	<0.150	0.150	07/26/2014	ND	5.34	88.9	6.00	2.81	
Total BTX	<0.300	0.300	07/26/2014	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	9730	16.0	07/23/2014	ND	400	100	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	<50.0	50.0	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	2490	50.0	07/23/2014	ND	208	104	200	6.40	

Surrogate: 1-Chlorooctane 122 % 65.2-140

Surrogate: 1-Chlorooctadecane 195 % 63.6-154

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*=Accredited Analyte

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 Received: 07/21/2014
 Reported: 07/28/2014
 Project Name: PLU #89
 Project Number: NONE GIVEN
 Project Location: BOPCO

 Sampling Date: 07/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 (1') (H402211-02)

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	07/26/2014	ND	1.71	85.3	2.00	0.346	
Toluene*	<0.050	0.050	07/26/2014	ND	1.72	86.0	2.00	1.98	
Ethylbenzene*	<0.050	0.050	07/26/2014	ND	1.70	85.0	2.00	0.0438	
Total Xylenes*	<0.150	0.150	07/26/2014	ND	5.34	88.9	6.00	2.81	
Total BTX	<0.300	0.300	07/26/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	224	16.0	07/23/2014	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	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	208	104	200	6.40	

Surrogate: 1-Chlorooctane 125 % 65.2-140

Surrogate: 1-Chlorooctadecane 139 % 63.6-154

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Received: 07/21/2014
Reported: 07/28/2014
Project Name: PLU #89
Project Number: NONE GIVEN
Project Location: BOPCO

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (2') (H402211-03)

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	07/26/2014	ND	1.71	85.3	2.00	0.346	
Toluene*	<0.050	0.050	07/26/2014	ND	1.72	86.0	2.00	1.98	
Ethylbenzene*	<0.050	0.050	07/26/2014	ND	1.70	85.0	2.00	0.0438	
Total Xylenes*	<0.150	0.150	07/26/2014	ND	5.34	88.9	6.00	2.81	
Total BTX	<0.300	0.300	07/26/2014	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	160	16.0	07/23/2014	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	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	208	104	200	6.40	


Surrogate: 1-Chlorooctane 120 % 65.2-140

Surrogate: 1-Chlorooctadecane 132 % 63.6-154

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Received: 07/21/2014
Reported: 07/28/2014
Project Name: PLU #89
Project Number: NONE GIVEN
Project Location: BOPCO

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (SURFACE) (H402211-04)

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	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	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	8400	16.0	07/23/2014	ND	400	100	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	<100	100	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	1850	100	07/23/2014	ND	208	104	200	6.40	


Surrogate: 1-Chlorooctane 126 % 65.2-140

Surrogate: 1-Chlorooctadecane 182 % 63.6-154

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 Received: 07/21/2014
 Reported: 07/28/2014
 Project Name: PLU #89
 Project Number: NONE GIVEN
 Project Location: BOPCO

 Sampling Date: 07/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 (1') (H402211-05)

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	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	160	16.0	07/23/2014	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	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	23.0	10.0	07/23/2014	ND	208	104	200	6.40	

Surrogate: 1-Chlorooctane 127 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 63.6-154

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 Fax To: (505) 394-2601

 Received: 07/21/2014
 Reported: 07/28/2014
 Project Name: PLU #89
 Project Number: NONE GIVEN
 Project Location: BOPCO

 Sampling Date: 07/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 (2') (H402211-06)

BTX 8021B		mg/kg	Analyzed By: CK/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2014	ND	1.87	93.7	2.00	1.24	
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842	
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33	
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11	
Total BTX	<0.300	0.300	07/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.1 % 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	96.0	16.0	07/23/2014	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	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	208	104	200	6.40	


Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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Received: 07/21/2014
Reported: 07/28/2014
Project Name: PLU #89
Project Number: NONE GIVEN
Project Location: BOPCO

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (SURFACE) (H402211-07)

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	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	5920	16.0	07/23/2014	ND	400	100	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	<200	200	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	21600	200	07/23/2014	ND	208	104	200	6.40	

Surrogate: 1-Chlorooctane 123 % 65.2-140

Surrogate: 1-Chlorooctadecane 376 % 63.6-154

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Received: 07/21/2014
Reported: 07/28/2014
Project Name: PLU #89
Project Number: NONE GIVEN
Project Location: BOPCO

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (1') (H402211-08)

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	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	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	416	16.0	07/23/2014	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	07/23/2014	ND	175	87.6	200	1.62	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	195	97.6	200	0.958	

Surrogate: 1-Chlorooctane 92.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Reported: 07/28/2014
Project Name: PLU #89
Project Number: NONE GIVEN
Project Location: BOPCO

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (2') (H402211-09)

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	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	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	464	16.0	07/23/2014	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	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	208	104	200	6.40	

Surrogate: 1-Chlorooctane 126 % 65.2-140

Surrogate: 1-Chlorooctadecane 140 % 63.6-154

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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: 07/21/2014
 Reported: 07/28/2014
 Project Name: PLU #89
 Project Number: NONE GIVEN
 Project Location: BOPCO

 Sampling Date: 07/18/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 (3') (H402211-10)

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	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	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	96.0	16.0	07/23/2014	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	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	208	104	200	6.40	

Surrogate: 1-Chlorooctane 123 % 65.2-140

Surrogate: 1-Chlorooctadecane 136 % 63.6-154

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

Received: 07/21/2014
Reported: 07/28/2014
Project Name: PLU #89
Project Number: NONE GIVEN
Project Location: BOPCO

Sampling Date: 07/18/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (4') (H402211-11)

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	07/25/2014	ND	1.87	93.7	2.00	1.24		
Toluene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	0.842		
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	1.87	93.5	2.00	1.33		
Total Xylenes*	<0.150	0.150	07/25/2014	ND	5.92	98.6	6.00	2.11		
Total BTEx	<0.300	0.300	07/25/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	608	16.0	07/23/2014	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	07/23/2014	ND	192	96.1	200	8.16	
DRO >C10-C28	<10.0	10.0	07/23/2014	ND	208	104	200	6.40	


Surrogate: 1-Chlorooctane 131 % 65.2-140

Surrogate: 1-Chlorooctadecane 143 % 63.6-154

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Hope S. Moreno For Caley 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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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

Chain of Custody Form

LAB Cardinal

ANALYSIS REQUEST

Attn: Daniel Dominguez

**P.O. Box 1558
Eunice, NM 88231**

Eunice, NM 88231

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

Checked By: