

February 11, 2015

JOEL LOWRY Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: PLU #213 YELLOW

Enclosed are the results of analyses for samples received by the laboratory on 02/06/15 13:45.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/06/2015	Sampling Date:	01/26/2015
Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

### Sample ID: Y-SP #1 @ SURFACE (H500365-01)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2015	ND	1.72	85.8	2.00	7.05	
Toluene*	<0.050	0.050	02/09/2015	ND	1.67	83.4	2.00	7.12	
Ethylbenzene*	<0.050	0.050	02/09/2015	ND	1.58	79.2	2.00	8.12	
Total Xylenes*	<0.150	0.150	02/09/2015	ND	4.70	78.3	6.00	9.45	
Total BTEX	<0.300	0.300	02/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 61-154	!						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/09/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/09/2015	ND	191	95.7	200	1.47	
DRO >C10-C28	<10.0	10.0	02/09/2015	ND	188	94.1	200	1.69	
EXT DRO >C28-C35	<10.0	10.0	02/09/2015	ND					
Surrogate: 1-Chlorooctane	108 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	102 9	% 52.1-17	6						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	02/06/2015	Sampling Date:	01/26/2015
Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: Y-SP #1 @ 3' (H500365-02)

Chloride, SM4500Cl-B	mg/kg Analy		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/09/2015	ND	416	104	400	0.00	

# Sample ID: Y-SP #2 @ SURFACE (H500365-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	02/09/2015	ND	416	104	400	0.00		

# Sample ID: Y-SP #2 @ 3' (H500365-04)

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	02/09/2015	ND	416	104	400	0.00	

### Sample ID: Y-SP #3 @ SURFACE (H500365-05)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	02/09/2015	ND	416	104	400	0.00	

### Sample ID: Y-SP #3 @ 3' (H500365-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/09/2015	ND	416	104	400	0.00	

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Received:	02/06/2015	Sampling Date:	01/26/2015
Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

### Sample ID: Y-SP #4 @ SURFACE (H500365-07)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	02/09/2015	ND	416	104	400	0.00	

### Sample ID: Y-SP #4 @ 5' (H500365-08)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	02/09/2015	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

### Sample ID: Y-SP #5 @ SURFACE (H500365-09)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2015	ND	1.72	85.8	2.00	7.05	
Toluene*	<0.050	0.050	02/09/2015	ND	1.67	83.4	2.00	7.12	
Ethylbenzene*	<0.050	0.050	02/09/2015	ND	1.58	79.2	2.00	8.12	
Total Xylenes*	<0.150	0.150	02/09/2015	ND	4.70	78.3	6.00	9.45	
Total BTEX	<0.300	0.300	02/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 61-154							
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	02/09/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/09/2015	ND	191	95.7	200	1.47	
DRO >C10-C28	<10.0	10.0	02/09/2015	ND	188	94.1	200	1.69	
EXT DRO >C28-C35	<10.0	10.0	02/09/2015	ND					
Surrogate: 1-Chlorooctane	101 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	96.3	% 52.1-17	6						

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Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: Y-SP #5 @ 3' (H500365-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2015	ND	416	104	400	0.00	

# Sample ID: Y-SP #6 @ SURFACE (H500365-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/09/2015	ND	416	104	400	0.00	

# Sample ID: Y-SP #6 @ 5' (H500365-12)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/09/2015	ND	416	104	400	0.00	

### Sample ID: Y-SP #7 @ SURFACE (H500365-13)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	02/09/2015	ND	416	104	400	0.00	

### Sample ID: Y-SP #7 @ 5' (H500365-14)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/09/2015	ND	416	104	400	0.00	

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Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

### Sample ID: Y-SP #8 @ SURFACE (H500365-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/09/2015	ND	416	104	400	0.00	

### Sample ID: Y-SP #8 @ 3' (H500365-16)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/09/2015	ND	416	104	400	0.00	

# Sample ID: Y-SP #9 @ SURFACE (H500365-17)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2015	ND	416	104	400	0.00	

#### Sample ID: Y-SP #9 @ 5' (H500365-18)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/09/2015	ND	416	104	400	0.00	

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Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

### Sample ID: Y-SP #10 @ SURFACE (H500365-19)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2015	ND	1.72	85.8	2.00	7.05	
Toluene*	<0.050	0.050	02/09/2015	ND	1.67	83.4	2.00	7.12	
Ethylbenzene*	<0.050	0.050	02/09/2015	ND	1.58	79.2	2.00	8.12	
Total Xylenes*	<0.150	0.150	02/09/2015	ND	4.70	78.3	6.00	9.45	
Total BTEX	<0.300	0.300	02/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 61-154	!						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	02/09/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/09/2015	ND	191	95.7	200	1.47	
DRO >C10-C28	<10.0	10.0	02/09/2015	ND	188	94.1	200	1.69	
EXT DRO >C28-C35	<10.0	10.0	02/09/2015	ND					
Surrogate: 1-Chlorooctane	104	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	97.7	% 52.1-17	6						

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Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: Y-SP #10 @ 1' (H500365-20)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	02/09/2015	ND	416	104	400	0.00	

# Sample ID: Y-SP #11 @ SURFACE (H500365-21)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	02/09/2015	ND	416	104	400	0.00	

### Sample ID: Y-SP #11 @ 5' (H500365-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	02/09/2015	ND	432	108	400	0.00	

#### Sample ID: Y-SP #12 @ SURFACE (H500365-23)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/09/2015	ND	432	108	400	0.00	

### Sample ID: Y-SP #12 @ 1' (H500365-24)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/09/2015	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

### Sample ID: Y-SP #13 @ SURFACE (H500365-25)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/09/2015	ND	432	108	400	0.00	

# Sample ID: Y-SP #13 @ 1' (H500365-26)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	02/09/2015	ND	432	108	400	0.00	

# Sample ID: Y-SP #14 @ SURFACE (H500365-27)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/09/2015	ND	432	108	400	0.00	

#### Sample ID: Y-SP #14 @ 7' (H500365-28)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/09/2015	ND	432	108	400	0.00	

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Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

### Sample ID: Y-SP #15 @ SURFACE (H500365-29)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2015	ND	1.72	85.8	2.00	7.05	
Toluene*	<0.050	0.050	02/09/2015	ND	1.67	83.4	2.00	7.12	
Ethylbenzene*	<0.050	0.050	02/09/2015	ND	1.58	79.2	2.00	8.12	
Total Xylenes*	<0.150	0.150	02/09/2015	ND	4.70	78.3	6.00	9.45	
Total BTEX	<0.300	0.300	02/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 61-154	1						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2015	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/09/2015	ND	191	95.7	200	1.47	
DRO >C10-C28	<10.0	10.0	02/09/2015	ND	188	94.1	200	1.69	
EXT DRO >C28-C35	<10.0	10.0	02/09/2015	ND					
Surrogate: 1-Chlorooctane	109 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	94.7	% 52.1-17	6						

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Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: Y-SP #15 @ 1' (H500365-30)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/09/2015	ND	432	108	400	0.00	

# Sample ID: Y-SP #16 @ SURFACE (H500365-31)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/09/2015	ND	432	108	400	0.00	

# Sample ID: Y-SP #16 @ 1' (H500365-32)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/09/2015	ND	432	108	400	0.00	

### Sample ID: Y-SP #17 @ SURFACE (H500365-33)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2015	ND	432	108	400	0.00	

### Sample ID: Y-SP #17 @ 1' (H500365-34)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/09/2015	ND	432	108	400	0.00	

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Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

### Sample ID: Y-SP #18 @ SURFACE (H500365-35)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/09/2015	ND	432	108	400	0.00	

# Sample ID: Y-SP #18 @ 1' (H500365-36)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/09/2015	ND	432	108	400	0.00	

# Sample ID: Y-SP #18 @ 7' (H500365-37)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	02/09/2015	ND	432	108	400	0.00	

#### Sample ID: Y-SP #19 @ SURFACE (H500365-38)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/09/2015	ND	432	108	400	0.00	

### Sample ID: Y-SP #19 @ 3' (H500365-39)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/09/2015	ND	432	108	400	0.00	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/06/2015	Sampling Date:	01/26/2015
Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

### Sample ID: Y-SP #20 @ SURFACE (H500365-40)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2015	ND	1.72	85.8	2.00	7.05	
Toluene*	<0.050	0.050	02/09/2015	ND	1.67	83.4	2.00	7.12	
Ethylbenzene*	<0.050	0.050	02/09/2015	ND	1.58	79.2	2.00	8.12	
Total Xylenes*	<0.150	0.150	02/09/2015	ND	4.70	78.3	6.00	9.45	
Total BTEX	<0.300	0.300	02/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 61-154	1						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/09/2015	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/09/2015	ND	191	95.7	200	1.47	
DRO >C10-C28	<10.0	10.0	02/09/2015	ND	188	94.1	200	1.69	
EXT DRO >C28-C35	<10.0	10.0	02/09/2015	ND					
Surrogate: 1-Chlorooctane	107 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	95.8	% 52.1-17	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	02/06/2015	Sampling Date:	01/26/2015
Reported:	02/11/2015	Sampling Type:	Soil
Project Name:	PLU #213 YELLOW	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: Y-SP #20 @ 3' (H500365-41)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/09/2015	ND	432	108	400	0.00	

### Sample ID: Y-SP #13 @ 5' (H500365-42)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/09/2015	ND	416	104	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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

#### **Cardinal Laboratories**

### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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Y-SP #6 @ Surface 1 x a 1/26/15   12 Y-SP #6 @ 5' 1 x a 1/26/15   13 Y-SP #7 @ Surface 1 x a 1/26/15   14 Y-SP #7 @ Surface 1 x a 1/26/15   15 Y-SP #7 @ Surface 1 x 1/26/15 1/26/15   16 Y-SP #8 @ Surface 1 x 1/26/15   17 Y-SP #8 @ Surface 1 x 1/26/15   17 Y-SP #8 @ Surface 1 x 1/26/15   17 Y-SP #10 @ Surface 1 x 1/26/15   18 Y-SP #10 @ Surface 1 x 1/26/15   19 Y-SP #10 @ Surface 1 x 1/26/15   10 X-SP #10 @ Surface 1 x 1/26/15   10 Y-SP #10 @ T 1 x 1/26/15   10 X-SP #10 @ T 1 x 1/26/15   11 x 1/26/15 1/26/15 1/26/15   11 x 1/26/15 1/26/15 1/26/15   11 x 1/26/15 1/26/15 1/26/15   125 Y-SP #10 @ T 1 x		Sample I.D.	# CONTAINER	WASTEWATE SOIL OIL	ACID/BASE: ICE / COOL	DATE		TIME	TIME	TIME
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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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Company Name:							BIL	BILL TO			-				1		ļ		1	-	-	-	
Project Manager:	Joel Lowry				P.O. #:	*																-	
Address: P.O. Box 301	c 301				Company:	pany	'n	BOPCO, LP	5											-			
City: Lovington	State: NM	Zip:	88260		Attn:			Tony Savoie															Ļ
Phone #: (575)396-2378	5-2378 Fax #: (575)396-1429	6-142	69		Address:	ress				-													
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ame:	PLU #213 Yellow				State:		MN	Zip:	ide		15	021	R										
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† Cardinal cannot accept verbal changes Please fax written changes to 575-393-2476 HS# Sample Condition Cool Intact Pryes Pres No No No

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

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	Joel Lowry			P.O. #:											
Box				Company:	BOPCO, LP	5									
	State: NM Z	Zip: 88260		Attn:	Tony Savoie		_								
D #	8 Fax #: (575)396-1429	6-1429		Address:											
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(575) 393-2326 FAX (575) 393-2476	3-2476			ANALVEIS DECITEST
Company Name:		8/11/10		
Project Manager: Joel Lowry		P.O. #		
Address: P.O. Box 301		Company: BOPCO, LP	ъ	
City: Lovington State: NM	IM Zip: 88260	Attn: Tony Savoie		
e #: (575)396-2378	Fax #: (575)396-1429	Address:		
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