AP - 119

Q4 2013 GWMR

12 / 23 / 2013



December 21, 2013

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: LOVINGTON YARD (AP1-119)

Enclosed are the results of analyses for samples received by the laboratory on 12/16/13 15:00.

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/ga/lab accred certif.html.

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.

Celey D. Keene

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:

Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 12/16/2013 Reported: 12/21/2013

Project Name: LOVINGTON YARD (AP1-119)

Project Number: NONE GIVEN

Project Location: LEA COUNTY, NM

Sampling Date: 12/13/2013

Sampling Type: Water

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MW-3 (H303045-01)

Volatile 8260	mg/L		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Carbon tetrachloride*	0.009	0.0005	12/19/2013	ND	0.017	85.5	0.0200	2.37	
Benzene*	<0.0005	0.0005	12/19/2013	ND	0.017	84.1	0.0200	1.83	
Toluene*	<0.0005	0.0005	12/19/2013	ND	0.018	91.0	0.0200	3.62	
Ethylbenzene*	<0.0005	0.0005	12/19/2013	ND	0.019	93.4	0.0200	1.44	
m+p - Xylene*	<0.001	0.001	12/19/2013	ND	0.037	92.2	0.0400	1.80	
o-Xylene*	<0.0005	0.0005	12/19/2013	ND	0.019	95.6	0.0200	1.81	
Total Xylenes*	<0.002	0.002	12/19/2013	ND	0.056	93.4	0.0600	1.80	
Surrogate: Dibromofluoromethane	103 %	6 70.2-14	3						
Surrogate: Toluene-d8	103 %	73.8-11	8						
Surrogate: 4-Bromofluorobenzene	96.69	% 48-134	1						

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 12/16/2013 Reported: 12/21/2013

Project Name: LOVINGTON YARD (AP1-119)

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 12/13/2013 Sampling Type: Water

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MW-1 (H303045-02)

Volatile 8260	mg/L		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Carbon tetrachloride*	0.147	0.0005	12/19/2013	ND	0.017	85.5	0.0200	2.37	
Benzene*	<0.0005	0.0005	12/19/2013	ND	0.017	84.1	0.0200	1.83	
Toluene*	<0.0005	0.0005	12/19/2013	ND	0.018	91.0	0.0200	3.62	
Ethylbenzene*	<0.0005	0.0005	12/19/2013	ND	0.019	93.4	0.0200	1.44	
m+p - Xylene*	<0.001	0.001	12/19/2013	ND	0.037	92.2	0.0400	1.80	
o-Xylene*	<0.0005	0.0005	12/19/2013	ND	0.019	95.6	0.0200	1.81	
Total Xylenes*	<0.002	0.002	12/19/2013	ND	0.056	93.4	0.0600	1.80	
Surrogate: Dibromofluoromethane	106 %	6 70.2-14	3						
Surrogate: Toluene-d8	98.5 9	% 73.8-11	8						
Surrogate: 4-Bromofluorobenzene	96.79	% 48-134	!						

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Analytical Results For:

Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 12/16/2013 Reported: 12/21/2013

Project Name: LOVINGTON YARD (AP1-119)

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 12/13/2013 Sampling Type: Water

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MW-2 (H303045-03)

Volatile 8260	mg/L		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	True Value QC	RPD	Qualifier	
Carbon tetrachloride*	0.693	0.0005	12/19/2013	ND	0.017	85.5	0.0200	2.37	
Benzene*	<0.0005	0.0005	12/19/2013	ND	0.017	84.1	0.0200	1.83	
Toluene*	<0.0005	0.0005	12/19/2013	ND	0.018	91.0	0.0200	3.62	
Ethylbenzene*	<0.0005	0.0005	12/19/2013	ND	0.019	93.4	0.0200	1.44	
m+p - Xylene*	<0.001	0.001	12/19/2013	ND	0.037	92.2	0.0400	1.80	
o-Xylene*	<0.0005	0.0005	12/19/2013	ND	0.019	95.6	0.0200	1.81	
Total Xylenes*	<0.002	0.002	12/19/2013	ND	0.056	93.4	0.0600	1.80	
Surrogate: Dibromofluoromethane	110 %	6 70.2-14	13						
Surrogate: Toluene-d8	101 %	% 73.8-11	8						
Surrogate: 4-Bromofluorobenzene	93.4 9	% 48-134	4						

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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

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Submittal of samples constitutes agreement to Terms and Conditions Relinquished by: 0 Project Location: (include state) Relinquished by: Relinquished by: Contact Person: Project #: nvoice to: Address: Company Name: LAB USE LAB ID ONLY Cardinal Laboratories Basin Environmental Service Technologies, LLC Basin Environmental Service Technologies, LLC Company: Company: Company: MW-2 MW-1 MW-3 SAMPLE ID Lovington, NM 88260 12/16/13 3:45 Date: Date: Date: P.O. Box 301 Lea Co., NM AP-119 Time: Time: Time: Received by: Received by: ORIGINAL COPY Received by: G ଦ G (G)RAB or (C)OMP # CONTAINERS ယ ယ WATER \times × Sampler Signature: SOIL E-mail: Fax #: Phone #: Project Name: MATRIX enien Company: Company: AIR 101 East Marland Hobbs, NM 88240 Tel (575) 393-2326 Fax (575) 393-2476 SLUDGE HCL <u>prokem@windstream.net</u> Date: Date: HNO₃ PRESERVATIVE pm@ basinenv.com H₂SO₄ Pro-Kem Lovington Yard METHOD (575)396-1429 NaOH (575)396-2378 3 COR 4.4 °C Time: Time: × × × ICE NONE OBS TSNI COR ISN 5/13/13 5/13/13 5/13/13 DATE SAMPLING 1120 1110 1100 TIME င်္ဂ ငိ Intact Headspace Y / N /NA Carrier # og-in Review × × Carbon Tetrachloride LAB USE ONLY × × × BTEX Y/N (Circle or Specify Method No.) REMARKS **ANALYSIS REQUEST** Dry Weight Basis Required Check If Special Reporting Limits Are Needed TRRP Report Required Page 으 Turn Around Time if different from standard Hold

LAB Order ID # + 30 3045

Page 6 of 6