Accurate
Environmental Laboratories

September 19, 2011

Client: Red Earth Water

12637 NW McClung Road

Lawton, OK 73501

Requested By: Debra Rowell

National Environmental Laboratory Accreditation Program
Kansas CERT # E-10219

Sample Project Name: Light Mineral Water

Date Samples Received: December 16, 2010 Time: 15:50 sample temp upon arrival at lab = 16°C

Matrix: Water

Lab Log Numbers: **0L16062-01** **0L16062-02**

Work Order: 0L16062

Report # 0L16062-0919111457

EPA Lab ID#'s Stillwater OK00092 Tulsa OK00983 OKC OK00129 ICR OK 001

Oklahoma Certification: Stillwater WasteWater, DEQ 8316/ Drinking Water, DEQ D9602

Tulsa WasteWater, DEQ 9905 / Drinking Water, DEQ D9901

Oklahoma City WasteWater DEQ 7202 / Drinking Water, DEQ D9937

Kansas Certification: Stillwater NELAP CERT # E-10219

Method Reference: 40 CFR 136, 141, and 261 Methods for Chemical Analysis of Water and Wastes EPA-600/4-79-020, March 1983. Test Methods for Evaluating Solid Wastes, SW-846, Final Update III. Standard Methods 1998 (20th Edition) and Standard Methods 2005 (21st Edition) for the Examination of Water and Wastewater.

Analysis Reference: If qualifiers present in "Prep Info" or "Analysis Info", then analysis performed as follows as follows: @= Tulsa Lab and * = OKC Lab. If no qualifiers present, then analysis performed at Stillwater Lab.

Accurate Environmental Laboratories certify that the test results performed at the Stillwater lab meet all requirements of NELAC. Any exceptions to this can be found in the report footer or Quality Control Section of the report.

Sample: ***DRAFT: Coyle Road*** **Location Code:** **PWSID#:**

Collection Type: Grab Sample Time: 12/16/10 14:39 **Lab Log#** 0L16062-01

Method/Parameter	Test	Result			PQL#	Prep Info	Analysis Info
Chloride EPA 300.0	Chloride	175	mg/L		5.00	12/17/10 16:00 LC	12/21/10 18:18 LC
Fluoride EPA 300.0	Fluoride	0.58	mg/L		0.40	12/17/10 16:00 LC	12/21/10 18:18 LC
pH in Lab SM4500H+B	pH	7.81	pH Units	-02	0.01	12/17/10 10:58 PC	12/17/10 12:15 PC
Sulfate EPA 300.0	Sulfate	493	mg/L		50.0	12/17/10 16:00 LC	12/27/10 19:07 LC
Alkalinity, Total (CaCO3) SM2320B	Alkalinity	241	mg/L		5.0	12/17/10 13:15 PD	12/17/10 14:30 PD
Conductivity SM2510 B	Conductivity	2120	umhos/cm		4.0	12/17/10 13:00 LC	12/17/10 15:00 LC
Nitrate EPA 300.0	Nitrate as N	1.90	mg/L		0.40	12/17/10 16:00 LC	12/21/10 18:18 LC
Silica (SiO2) EPA 200.7	Silica	17.3	mg/L		0.025	12/21/10 16:20 MV	12/22/10 14:30 MV

Sample: ***DRAFT: Coyle Road*** **Location Code:** **PWSID#:**

Collection Type: Grab Sample Time: 12/16/10 15:46 **Lab Log#** 0L16062-02

Method/Parameter	Test	Result			PQL#	Prep Info	Analysis Info
Calcium (Ca) EPA 200.7	Calcium	105	mg/L		0.05	12/17/10 16:00 MV	12/20/10 13:18 MV
Iron (Fe) EPA 200.7	Iron	0.029	mg/L		0.025	12/17/10 16:00 MV	12/20/10 13:18 MV
Magnesium (Mg) EPA 200.7	Magnesium	39.6	mg/L		0.05	12/17/10 16:00 MV	12/20/10 13:18 MV
Manganese (Mn) EPA 200.8	Manganese	0.045	mg/L		0.005	12/17/10 16:00 MV	12/21/10 11:47 AH
Potassium (K) EPA 200.7	Potassium	2.33	mg/L		0.05	12/17/10 16:00 MV	12/20/10 13:18 MV
Sodium (Na) EPA 200.7	Sodium	272	mg/L		0.05	12/17/10 16:00 MV	12/20/10 13:18 MV

Revised Report

Notes and Definitions

-02 Sample was received and analyzed out of Holding Time

MCL Analyte concentration may exceed Maximum Contaminant Limit (MCL) for EPA Primary or Secondary Drinking Water Regulations.

Analyte concentration may exceed regulatory limit.

PQL Practical Quantitation Limit - the method detection Limit (MDL) adjusted for any dilutions or other changes made to the sample to deal with interferences/matrix effects

BPQL Below Practical Quantitation Limit (if applicable).

The "Prep Date" of the QC analysis coincides with the characters of the appropriate QC Lab ID. (Example: S 9 A 02 15 - BLK = 2009, Jan 2, Batch #15 - Blank)

Lab Manager

Quality Control Data

Blank Data

QC Lab #	Test Group	Test	Result	PQL	Flags
S0L1756-BLK1	Chloride EPA 300.0	Chloride	BPQL mg/L	0.500	
S0L1756-BLK1	Fluoride EPA 300.0	Fluoride	BPQL mg/L	0.10	
S0L1756-BLK1	Sulfate EPA 300.0	Sulfate	BPQL mg/L	0.50	
S0L1712-BLK1	Alkalinity, Total (CaCO3) SM2320B	Alkalinity	BPQL mg/L	5.0	
S0L1744-BLK1	Conductivity SM2510 B	Conductivity	BPQL umhos/cm	2.0	
S0L1756-BLK1	Nitrate EPA 300.0	Nitrate as N	BPQL mg/L	0.10	
S0L1749-BLK1	Calcium (Ca) EPA 200.7	Calcium	BPQL mg/L	0.05	
S0L1749-BLK1	Iron (Fe) EPA 200.7	Iron	BPQL mg/L	0.025	
S0L1749-BLK1	Magnesium (Mg) EPA 200.7	Magnesium	BPQL mg/L	0.05	
S0L1748-BLK1	Manganese (Mn) EPA 200.8	Manganese	BPQL mg/L	0.005	
S0L1749-BLK1	Potassium (K) EPA 200.7	Potassium	BPQL mg/L	0.05	
S0L2130-BLK1	Silica (SiO2) EPA 200.7	Silica	BPQL mg/L	0.025	
S0L1749-BLK1	Sodium (Na) EPA 200.7	Sodium	BPQL mg/L	0.05	

Duplicate Sample Data

QC Lab #	Test Group	Test Name	Dup Result	Samp Result	% RPD	RPD Limit	Flags
S0L1716-DUP1	pH in Lab SM4500H+B	pH	7.80	7.81	0.1	20	

Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
S0L1756-BS1	Chloride EPA 300.0	Chloride	3.03	3.000	mg/L	101	90 - 110	
S0L1756-BS1	Fluoride EPA 300.0	Fluoride	2.09	2.000	mg/L	104	90 - 110	
S0L1716-BS1	pH in Lab SM4500H+B	pH	7.00	7.000	pH Units	100	99 - 101	
S0L1756-BS1	Sulfate EPA 300.0	Sulfate	14.5	15.00	mg/L	97	90 - 115	
S0L1712-BS1	Alkalinity, Total (CaCO3) SM2320B	Alkalinity	101	100.0	mg/L	101	90 - 110	
S0L1744-BS1	Conductivity SM2510 B	Conductivity	1413	1413	umhos/cm	100	90 - 110	
S0L1756-BS1	Nitrate EPA 300.0	Nitrate as N	2.48	2.260	mg/L	110	90 - 110	
S0L1749-BS1	Calcium (Ca) EPA 200.7	Calcium	1.82	2.000	mg/L	91	85 - 115	
S0L1749-BS1	Iron (Fe) EPA 200.7	Iron	2.11	2.000	mg/L	106	85 - 115	
S0L1749-BS1	Magnesium (Mg) EPA 200.7	Magnesium	1.88	2.000	mg/L	94	85 - 115	
S0L1748-BS1	Manganese (Mn) EPA 200.8	Manganese	0.099	0.1000	mg/L	99	85 - 115	
S0L1749-BS1	Potassium (K) EPA 200.7	Potassium	1.81	2.000	mg/L	90	85 - 115	
S0L2130-BS1	Silica (SiO2) EPA 200.7	Silica	1.84	2.000	mg/L	92	85 - 115	
S0L1749-BS1	Sodium (Na) EPA 200.7	Sodium	1.85	2.000	mg/L	93	85 - 115	

Matrix Spike Data

QC Lab #	Test Group	Test Name	Sample Result	Units	Spike Result	Spike Level	% Rec.	Acceptance Limits	Flags
S0L1712-MS1	Alkalinity, Total (CaCO3) SM2320B	Alkalinity	241	mg/L	343	100.0	103	80 - 120	
S0L1749-MS1	Iron (Fe) EPA 200.7	Iron	0.029	mg/L	2.20	2.000	108	85 - 115	
S0L1749-MS1	Magnesium (Mg) EPA 200.7	Magnesium	39.6	mg/L	40.0	2.000	18	85 - 115	
S0L1749-MS1	Potassium (K) EPA 200.7	Potassium	2.33	mg/L	4.17	2.000	92	85 - 115	

Quality Control Data

Matrix Spike Duplicate Data

QC Lab #	Test Group	Test Name	Sample Result	Spike Result	Spike Level	Units	% Rec.	Rec. Limits	% RPD	RPD Limit	Flags
S0L1712-MSD1	Alkalinity, Total (CaCO3) SM2320B	Alkalinity	241	344	100.0	mg/L	103	80-120	0.2	20	
S0L1749-MSD1	Iron (Fe) EPA 200.7	Iron	0.029	2.20	2.000	mg/L	108	85-115	0.1	20	
S0L1749-MSD1	Magnesium (Mg) EPA 200.7	Magnesium	39.6	41.0	2.000	mg/L	71	85-115	3	20	
S0L1749-MSD1	Potassium (K) EPA 200.7	Potassium	2.33	4.24	2.000	mg/L	95	85-115	2	20	