



**REPORT OF ANALYSIS**  
**MANATEE COUNTY UTILITIES DEPARTMENT**  
**CENTRAL LABORATORY**  
**4751 66th STREET WEST**  
**BRADENTON, FL 34210**

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**FDOHLAB ID: E54560**

**USEPA LAB CODE: FL00031**

**Laboratory Contact: Jeff Goodwin**

**PREPARED FOR:** Mr. Mike Gore  
MCUD Solid Waste Division  
3333 Lena Road  
Bradenton, FL 34211

**SAMPLE RECEIPT DATE:** 03/28/2012

**REPORT DATE:** 7/18/2012

**PROJECT NAME:** Lena Road Semi Annual  
Groundwater Monitoring  
Report

**Data Release Authorization:**

The Methods of analysis in this report are in accordance with MCUD Central Laboratory's Quality Assurance Manual and meet all NELAC standards except where noted. Results pertain only to items tested and to the samples specified. This report may not be reproduced, except in full, without the written approval of this laboratory.



Sample ID: AE43915 Collection Date / Time: 03/28/2012 10:47

Sample Point: Lena Road Monitoring Well BGW-1

Sample Comment:

**Analysis Department:**

**ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	70.0	mg/L		04/09/2012 07:11	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	0.145	mg/L		03/28/2012 18:41	0.0046	0.025	IREED

**Analysis Department:**

**CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U,C	04/04/2012 16:44	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	04/04/2012 16:44	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	04/04/2012 16:44	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	04/04/2012 16:44	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	04/04/2012 16:44	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	04/04/2012 16:44	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	04/04/2012 16:44	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	04/04/2012 16:44	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	04/04/2012 16:44	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	1.2	ug/L	C	04/04/2012 16:44	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	04/04/2012 16:44	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	04/04/2012 16:44	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	04/04/2012 16:44	0.4	1.6	CONTRACT
Chloroform	EPA 8260	5.5	ug/L	C	04/04/2012 16:44	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	04/04/2012 16:44	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	04/04/2012 16:44	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	0.3	ug/L	I C	04/04/2012 16:44	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	04/04/2012 16:44	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	04/04/2012 16:44	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	04/04/2012 16:44	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	04/04/2012 16:44	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	04/04/2012 16:44	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	04/04/2012 16:44	0.1	0.8	CONTRACT

Toluene	EPA 8260	<0.09	ug/L	U C	04/04/2012	16:44	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	04/04/2012	16:44	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	04/04/2012	16:44	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	04/04/2012	16:44	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	04/04/2012	16:44	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	04/04/2012	16:44	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	04/04/2012	16:44	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	04/04/2012	16:44	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	04/04/2012	16:44	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	04/03/2012	05:17	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	04/03/2012	05:17	0.0057	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	620	umhos/cm		03/28/2012	10:47	1	DWELLS
Field Dissolved Oxygen	FIELD	7.93	mg/L		03/28/2012	10:47	0.01	DWELLS
Field pH	FIELD	6.63	Std. units		03/28/2012	10:47	0.010	DWELLS
Field Temperature	FIELD	22.9	Degrees C		03/28/2012	10:47	0.01	DWELLS
Field Turbidity	FIELD	2.07	NTU		03/28/2012	10:47	0.02	DWELLS
Static Depth to Water	FIELD	13.70	feet		03/28/2012	10:47		DWELLS

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst	
Arsenic by GFAAS	SM 3113B	0.005	mg/L		04/16/2012	18:08	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/30/2012	10:57	0.068	0.100	IR
Metals by 200.7									
Antimony	EPA 200.7	<0.0039	mg/L	U	05/04/2012	11:40	0.0039	0.005	KMH
Barium	EPA 200.7	0.016	mg/L		05/04/2012	11:40	0.0002	0.005	KMH
Beryllium	EPA 200.7	<0.00004	mg/L	U	05/04/2012	11:40	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	05/04/2012	11:40	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0010	mg/L	I	05/04/2012	11:40	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0006	mg/L	I	05/04/2012	11:40	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	05/04/2012	11:40	0.0009	0.005	KMH
Iron	EPA 200.7	2.67	mg/L		05/04/2012	11:40	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	05/04/2012	11:40	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0024	mg/L	I	05/04/2012	11:40	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	05/04/2012	11:40	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	05/04/2012	11:40	0.0007	0.005	KMH

Sodium	EPA 200.7	47.0	mg/L		05/04/2012	11:40	0.016	2.00	KMH
Vanadium	EPA 200.7	0.0040	mg/L	I	05/04/2012	11:40	0.0005	0.005	KMH
Zinc	EPA 200.7	0.059	mg/L		05/04/2012	11:40	0.0029	0.005	KMH
Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012	21:59	0.0003	0.002	IR

<b><u>Analysis Department:</u></b>		<b><u>NUTRIENTS</u></b>							
<b>Parameter</b>	<b>Method</b>	<b>Results</b>	<b>Units</b>	<b>Qualifier</b>	<b>Date / Time Analyzed</b>	<b>MDL</b>	<b>PQL</b>	<b>Analyst</b>	
Ammonia	EPA 350.1	2.24	mg/L		03/29/2012	14:16	0.018	0.050	AC

<b><u>Analysis Department:</u></b>		<b><u>SOLIDS</u></b>							
<b>Parameter</b>	<b>Method</b>	<b>Results</b>	<b>Units</b>	<b>Qualifier</b>	<b>Date / Time Analyzed</b>	<b>MDL</b>	<b>PQL</b>	<b>Analyst</b>	
Total Dissolved Solids	SM 2540 C	403	mg/L		03/30/2012	14:30	10.0	10.0	KEB/ IR

**Sample ID:** AE43916      **Collection Date / Time:** 03/23/2012 09:18

**Sample Point:** Lena Road Monitoring Well GW-10

**Sample Comment:**

<b><u>Analysis Department:</u></b>		<b><u>ANIONS</u></b>							
<b>Parameter</b>	<b>Method</b>	<b>Results</b>	<b>Units</b>	<b>Qualifier</b>	<b>Date / Time Analyzed</b>	<b>MDL</b>	<b>PQL</b>	<b>Analyst</b>	
Chloride by Ion Chromatography	EPA 300.0	26.9	mg/L		04/10/2012	05:18	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	0.090	mg/L		03/23/2012	17:06	0.0046	0.025	KMH

<u>Analysis Department:</u>		<u>CONTRACT</u>							
Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
258 Appendix 1 Volatiles -Contract Lab									
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012	23:39	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:39	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:39	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	0.2	ug/L	I C	03/27/2012	23:39	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012	23:39	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012	23:39	2.0	4.0	CONTRACT



Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012	23:39	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:39	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:39	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	23:39	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	1.2	ug/L	C	03/27/2012	23:39	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	23:39	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	23:39	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012	23:39	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:39	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012	23:39	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012	23:39	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012	23:39	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012	23:39	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:39	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012	23:39	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:39	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:39	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	23:39	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:39	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	23:39	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	23:39	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/30/2012	02:45	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/30/2012	02:45	0.0057	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	711	umhos/cm		03/23/2012	09:18	1	PMITCHELL
Field Dissolved Oxygen	FIELD	0.45	mg/L		03/23/2012	09:18	0.01	PMITCHELL
Field pH	FIELD	6.62	Std. units		03/23/2012	09:18	0.010	PMITCHELL
Field Temperature	FIELD	23.6	Degrees C		03/23/2012	09:18	0.01	PMITCHELL
Field Turbidity	FIELD	2.01	NTU		03/23/2012	09:18	0.02	PMITCHELL
Static Depth to Water	FIELD	13.2	feet		03/23/2012	09:18		PMITCHELL

**Analysis Department:****METALS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.0013	mg/L		04/16/2012 17:36	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/30/2012 11:05	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 13:19	0.0039	0.005	KMH
Barium	EPA 200.7	0.029	mg/L		04/12/2012 13:19	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0003	mg/L	I	04/12/2012 13:19	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 13:19	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0023	mg/L	I	04/12/2012 13:19	0.0007	0.005	KMH
Cobalt	EPA 200.7	<0.0003	mg/L	U	04/12/2012 13:19	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012 13:19	0.0009	0.005	KMH
Iron	EPA 200.7	1.34	mg/L		04/12/2012 13:19	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 13:19	0.0017	0.005	KMH
Nickel	EPA 200.7	0.005	mg/L	J,V	04/12/2012 13:19	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 13:19	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 13:19	0.0007	0.005	KMH
Sodium	EPA 200.7	14.4	mg/L		04/12/2012 13:19	0.016	2.00	KMH
Vanadium	EPA 200.7	0.0028	mg/L	I	04/12/2012 13:19	0.0005	0.005	KMH
Zinc	EPA 200.7	0.011	mg/L		04/12/2012 13:19	0.0029	0.005	KMH
Analysis Comments: Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.								
Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012 21:29	0.0003	0.002	IR

**Analysis Department:****NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	2.96	mg/L		03/26/2012 15:38	0.018	0.050	AC

**Analysis Department:****SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	422	mg/L		03/27/2012 13:14	10.0	10.0	AC

Sample ID: AE43917 Collection Date / Time: 03/23/2012 10:13

Sample Point: Lena Road Monitoring Well GW-11

Sample Comment:

**Analysis Department:****ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
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Chloride by Ion Chromatography	EPA 300.0	33.5	mg/L	04/10/2012	08:13	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	0.057	mg/L	03/23/2012	18:48	0.0046	0.025	KMH

### Analysis Department:

### CONTRACT

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/28/2012	00:13	0.4	0.8 CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:13	0.1	0.8 CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:13	0.1	0.8 CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/28/2012	00:13	2.0	4.0 CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/28/2012	00:13	2.0	4.0 CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/28/2012	00:13	1.3	4.0 CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:13	0.1	0.8 CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:13	0.1	0.8 CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	00:13	0.4	0.8 CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:13	0.1	0.8 CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	00:13	0.4	1.6 CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	00:13	0.4	1.6 CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/28/2012	00:13	0.09	0.8 CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:13	0.1	0.8 CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/28/2012	00:13	0.08	0.8 CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/28/2012	00:13	2.1	4.0 CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/28/2012	00:13	2.6	4.0 CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/28/2012	00:13	0.05	0.8 CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:13	0.1	0.8 CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/28/2012	00:13	0.09	0.8 CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:13	0.1	0.8 CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:13	0.1	0.8 CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/28/2012	00:13	0.3	0.8 CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:13	0.2	0.8 CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/28/2012	00:13	0.4	1.6 CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/28/2012	00:13	0.3	1.6 CONTRACT

### **258 Pesticides -Contract Lab**

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/30/2012	03:07	0.0057	0.023 CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/30/2012	03:07	0.0057	0.023 CONTRACT

**Analysis Department:****FIELD**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	601	umhos/cm		03/23/2012 10:13	1		PMITCHELL
Field Dissolved Oxygen	FIELD	1.75	mg/L		03/23/2012 10:13	0.01		PMITCHELL
Field pH	FIELD	6.77	Std. units		03/23/2012 10:13	0.010		PMITCHELL
Field Temperature	FIELD	23.5	Degrees C		03/23/2012 10:13	0.01		PMITCHELL
Field Turbidity	FIELD	0.85	NTU		03/23/2012 10:13	0.02		PMITCHELL
Static Depth to Water	FIELD	8.32	feet		03/23/2012 10:13			PMITCHELL

**Analysis Department:****METALS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.006	mg/L		04/16/2012 18:19	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/30/2012 11:10	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 14:26	0.0039	0.005	KMH
Barium	EPA 200.7	0.016	mg/L		04/12/2012 14:26	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0003	mg/L	I	04/12/2012 14:26	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 14:26	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0025	mg/L	I	04/12/2012 14:26	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0003	mg/L	I	04/12/2012 14:26	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012 14:26	0.0009	0.005	KMH
Iron	EPA 200.7	1.39	mg/L		04/12/2012 14:26	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 14:26	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0026	mg/L	I,V,J	04/12/2012 14:26	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 14:26	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 14:26	0.0007	0.005	KMH
Sodium	EPA 200.7	17.7	mg/L		04/12/2012 14:26	0.016	2.00	KMH
Vanadium	EPA 200.7	0.0043	mg/L	I	04/12/2012 14:26	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012 14:26	0.0029	0.005	KMH

Analysis Comments:

Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012 22:09	0.0003	0.002	IR
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**Analysis Department:****NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	2.10	mg/L		03/29/2012 13:24	0.018	0.050	AC

**Analysis Department:****SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	406	mg/L		03/27/2012 13:14	10.0	10.0	AC

**Sample ID:** AE43918      **Collection Date / Time:** 03/20/2012 09:39

**Sample Point:** Lena Road Monitoring Well GW-7

**Sample Comment:**

**Analysis Department:****ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	38.5	mg/L		04/06/2012 01:12	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	0.006	mg/L	I	03/21/2012 21:00	0.0046	0.025	IREED

**Analysis Department:****CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012 21:56	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:56	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:56	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012 21:56	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012 21:56	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012 21:56	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:56	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:56	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 21:56	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:56	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 21:56	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:56	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 21:56	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012 21:56	0.09	0.8	CONTRACT

cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:56	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	21:56	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:56	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:56	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012	21:56	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:56	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012	21:56	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012	21:56	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012	21:56	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012	21:56	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012	21:56	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	21:56	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:56	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	21:56	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	21:56	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:56	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:56	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	21:56	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	21:56	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/30/2012	01:39	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/30/2012	01:39	0.0057	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	702	umhos/cm		03/23/2012	09:39	1	PMITCHELL
Field Dissolved Oxygen	FIELD	0.62	mg/L		03/23/2012	09:39	0.01	PMITCHELL
Field pH	FIELD	6.24	Std. units		03/23/2012	09:39	0.010	PMITCHELL
Field Temperature	FIELD	23.3	Degrees C		03/23/2012	09:39	0.01	PMITCHELL
Field Turbidity	FIELD	1.58	NTU		03/23/2012	09:39	0.02	PMITCHELL
Static Depth to Water	FIELD	13.00	feet		03/23/2012	09:39		PMITCHELL

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.0022	mg/L		04/16/2012 18:29	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 11:15	0.068	0.100	IR
Metals by 200.7								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 12:10	0.0039	0.005	KMH
Barium	EPA 200.7	0.023	mq/L		04/12/2012 12:10	0.0002	0.005	KMH

Beryllium	EPA 200.7	0.0003	mg/L	I	04/12/2012	12:10	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012	12:10	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0030	mg/L	I	04/12/2012	12:10	0.0007	0.005	KMH
Cobalt	EPA 200.7	<0.0003	mg/L	U	04/12/2012	12:10	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012	12:10	0.0009	0.005	KMH
Iron	EPA 200.7	0.083	mg/L	I	04/12/2012	12:10	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012	12:10	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0028	mg/L	I,J,V	04/12/2012	12:10	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012	12:10	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012	12:10	0.0007	0.005	KMH
Sodium	EPA 200.7	22.0	mg/L		04/12/2012	12:10	0.016	2.00	KMH
Vanadium	EPA 200.7	0.0039	mg/L	I	04/12/2012	12:10	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012	12:10	0.0029	0.005	KMH

Analysis Comments: Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012	22:19	0.0003	0.002	IR
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#### Analysis Department:

#### NUTRIENTS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.373	mg/L		03/22/2012 14:28	0.018	0.050	AC

#### Analysis Department:

#### SOLIDS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	492	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID: AE43919 Collection Date / Time: 03/20/2012 10:35

Sample Point: Lena Road Monitoring Well GW-8

Sample Comment:

#### Analysis Department:

#### ANIONS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	34.3	mg/L		04/06/2012 01:56	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	0.007	mg/L	I	03/21/2012 22:42	0.0046	0.025	IREED

#### Analysis Department:

#### CONTRACT

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
258 Appendix 1 Volatiles -Contract Lab								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 22:30	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 22:30	0.2	0.8	CONTRACT

1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012	22:30	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	22:30	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	22:30	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012	22:30	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012	22:30	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012	22:30	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	22:30	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	22:30	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	22:30	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	22:30	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	22:30	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	22:30	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012	22:30	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	22:30	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012	22:30	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012	22:30	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012	22:30	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012	22:30	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012	22:30	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012	22:30	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	22:30	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	22:30	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	22:30	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	22:30	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	22:30	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	22:30	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/30/2012	02:01	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/30/2012	02:01	0.0057	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	617	umhos/cm		03/20/2012 10:35	1		PMITCHELL
Field Dissolved Oxygen	FIELD	1.00	mg/L		03/20/2012 10:35	0.01		PMITCHELL
Field pH	FIELD	6.32	Std. units		03/20/2012 10:35	0.010		PMITCHELL



Field Temperature	FIELD	24.2	Degrees C	03/20/2012	10:35	0.01		PMITCHELL
Field Turbidity	FIELD	10.60	NTU	03/20/2012	10:35	0.02		PMITCHELL
Static Depth to Water	FIELD	14.41	feet	03/20/2012	10:35			PMITCHELL

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst	
Arsenic by GFAAS	SM 3113B	0.006	mg/L		04/17/2012	11:30	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012	11:02	0.068	0.100	IR
Metals by 200.7									
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012	12:45	0.0039	0.005	KMH
Barium	EPA 200.7	0.037	mg/L		04/12/2012	12:45	0.0002	0.005	KMH
Beryllium	EPA 200.7	<0.00004	mg/L	U	04/12/2012	12:45	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012	12:45	0.0004	0.005	KMH
Chromium	EPA 200.7	0.005	mg/L		04/12/2012	12:45	0.0007	0.005	KMH
Cobalt	EPA 200.7	<0.0003	mg/L	U	04/12/2012	12:45	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012	12:45	0.0009	0.005	KMH
Iron	EPA 200.7	0.198	mg/L		04/12/2012	12:45	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012	12:45	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0033	mg/L	I,V,J	04/12/2012	12:45	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012	12:45	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012	12:45	0.0007	0.005	KMH
Sodium	EPA 200.7	17.2	mg/L		04/12/2012	12:45	0.016	2.00	KMH
Vanadium	EPA 200.7	0.007	mg/L		04/12/2012	12:45	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012	12:45	0.0029	0.005	KMH

Analysis Comments: Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/17/2012	18:32	0.0003	0.002	IR
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#### Analysis Department:

#### NUTRIENTS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.643	mg/L		03/22/2012 14:28	0.018	0.050	AC

#### Analysis Department:

#### SOLIDS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	453	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID: AE43920 Collection Date / Time: 03/20/2012 11:20

Sample Point: Lena Road Monitoring Well GW-9

Sample Comment:

**Analysis Department:** **ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	22.1	mg/L		04/06/2012 02:40	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	<0.0046	mg/L	U	03/21/2012 23:07	0.0046	0.025	IREED

**Analysis Department:** **CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012 23:04	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 23:04	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 23:04	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012 23:04	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012 23:04	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012 23:04	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 23:04	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 23:04	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 23:04	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 23:04	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 23:04	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 23:04	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012 23:04	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 23:04	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012 23:04	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 23:04	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012 23:04	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012 23:04	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012 23:04	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012 23:04	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012 23:04	0.09	0.8	CONTRACT

Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:04	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:04	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	23:04	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	23:04	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:04	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	23:04	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	23:04	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	23:04	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0056	ug/L	U C	03/30/2012	02:23	0.0056	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0056	ug/L	U C	03/30/2012	02:23	0.0056	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	734	umhos/cm		03/20/2012	11:20	1	PMITCHELL
Field Dissolved Oxygen	FIELD	0.41	mg/L		03/20/2012	11:20	0.01	PMITCHELL
Field pH	FIELD	6.61	Std. units		03/20/2012	11:20	0.010	PMITCHELL
Field Temperature	FIELD	24.9	Degrees C		03/20/2012	11:20	0.01	PMITCHELL
Field Turbidity	FIELD	6.01	NTU		03/20/2012	11:20	0.02	PMITCHELL
Static Depth to Water	FIELD	14.52	feet		03/20/2012	11:20		PMITCHELL

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.015	mg/L		04/17/2012 10:58	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 11:09	0.068	0.100	IR

#### Metals by 200.7

Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012	13:06	0.0039	0.005	KMH
Barium	EPA 200.7	0.023	mg/L		04/12/2012	13:06	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0002	mg/L	I	04/12/2012	13:06	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012	13:06	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0016	mg/L	I	04/12/2012	13:06	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0003	mg/L	I	04/12/2012	13:06	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012	13:06	0.0009	0.005	KMH
Iron	EPA 200.7	3.00	mg/L		04/12/2012	13:06	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012	13:06	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0021	mg/L	I,J,V	04/12/2012	13:06	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012	13:06	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012	13:06	0.0007	0.005	KMH
Sodium	EPA 200.7	11.1	mg/L		04/12/2012	13:06	0.016	2.00	KMH

Vanadium	EPA 200.7	0.0047	mg/L	I	04/12/2012	13:06	0.0005	0.005	KMH
Zinc	EPA 200.7	0.0034	mg/L	I	04/12/2012	13:06	0.0029	0.005	KMH

Thallium by GFAAS	EPA 279.2	0.0003	mg/L	I	04/17/2012	18:02	0.0003	0.002	IR
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**Analysis Department:**

**NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.837	mg/L		03/22/2012 15:35	0.018	0.050	AC

**Analysis Department:**

**SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	459	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

**Sample ID:** AE43921      **Collection Date / Time:** 03/23/2012 10:50

**Sample Point:** Lena Road Monitoring Well GW-12

**Sample Comment:**

**Analysis Department:**

**ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	11.5	mg/L		04/10/2012 08:57	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	1.21	mg/L		03/23/2012 19:13	0.0046	0.025	KMH

**Analysis Department:**

**CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
258 Appendix 1 Volatiles -Contract Lab								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 00:47	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 00:47	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 00:47	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 00:47	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 00:47	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 00:47	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/28/2012 00:47	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 00:47	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 00:47	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/28/2012 00:47	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/28/2012 00:47	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/28/2012 00:47	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/28/2012 00:47	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/28/2012 00:47	1.3	4.0	CONTRACT

Benzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:47	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:47	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	00:47	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:47	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	00:47	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	00:47	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/28/2012	00:47	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:47	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/28/2012	00:47	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/28/2012	00:47	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/28/2012	00:47	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/28/2012	00:47	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:47	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/28/2012	00:47	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:47	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/28/2012	00:47	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/28/2012	00:47	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	00:47	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/28/2012	00:47	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/28/2012	00:47	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0056	ug/L	U C	03/30/2012	03:29	0.0056	0.022	CONTRACT
Ethylene dibromide	EPA 8011	<0.0056	ug/L	U C	03/30/2012	03:29	0.0056	0.022	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	718	umhos/cm		02/23/2012 10:50	1		PMITCHELL
Field Dissolved Oxygen	FIELD	0.39	mg/L		02/23/2012 10:50	0.01		PMITCHELL
Field pH	FIELD	6.32	Std. units		02/23/2012 10:50	0.010		PMITCHELL
Field Temperature	FIELD	23.8	Degrees C		02/23/2012 10:50	0.01		PMITCHELL
Field Turbidity	FIELD	3.19	NTU		02/23/2012 10:50	0.02		PMITCHELL
Static Depth to Water	FIELD	12.27	feet		02/23/2012 10:50			PMITCHELL

**Analysis Department:****METALS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.007	mg/L		04/16/2012 16:31	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/30/2012 10:44	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 14:30	0.0039	0.005	KMH
Barium	EPA 200.7	0.048	mg/L		04/12/2012 14:30	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0004	mg/L	I	04/12/2012 14:30	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 14:30	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0032	mg/L	I	04/12/2012 14:30	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0027	mg/L	I	04/12/2012 14:30	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012 14:30	0.0009	0.005	KMH
Iron	EPA 200.7	0.272	mg/L		04/12/2012 14:30	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 14:30	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0040	mg/L	I,J,V	04/12/2012 14:30	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 14:30	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 14:30	0.0007	0.005	KMH
Sodium	EPA 200.7	8.72	mg/L		04/12/2012 14:30	0.016	2.00	KMH
Vanadium	EPA 200.7	0.017	mg/L		04/12/2012 14:30	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012 14:30	0.0029	0.005	KMH
Thallium by GFAAS	EPA 279.2	0.0009	mg/L	I	04/06/2012 20:28	0.0003	0.002	IR

**Analysis Department:****NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.215	mg/L		03/26/2012 15:39	0.018	0.050	AC

**Analysis Department:****SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	505	mg/L		03/27/2012 13:14	10.0	10.0	AC

**Sample ID:** AE43922      **Collection Date / Time:** 03/23/2012 11:33

**Sample Point:** Lena Road Monitoring Well GW-13

**Sample Comment:**

**Analysis Department:****ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	29.6	mg/L		04/10/2012 09:41	0.100	1.00	IREED

Nitrate as N by Ion Chromatography EPA 300.0 0.078 mg/L 03/23/2012 20:04 0.0046 0.025 KMH

## Analysis Department:

## CONTRACT

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/28/2012 01:21	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:21	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:21	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/28/2012 01:21	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/28/2012 01:21	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/28/2012 01:21	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:21	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:21	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 01:21	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:21	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 01:21	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 01:21	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/28/2012 01:21	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:21	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/28/2012 01:21	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/28/2012 01:21	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/28/2012 01:21	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/28/2012 01:21	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:21	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/28/2012 01:21	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:21	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:21	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/28/2012 01:21	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:21	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/28/2012 01:21	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/28/2012 01:21	0.3	1.6	CONTRACT

## **258 Pesticides -Contract Lab**

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/30/2012 03:50	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/30/2012 03:50	0.0057	0.023	CONTRACT

**Analysis Department:****FIELD**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	1640	umhos/cm		03/23/2012 11:33	1		PMITCHELL
Field Dissolved Oxygen	FIELD	0.68	mg/L		03/23/2012 11:33	0.01		PMITCHELL
Field pH	FIELD	6.84	Std. units		03/23/2012 11:33	0.010		PMITCHELL
Field Temperature	FIELD	24.3	Degrees C		03/23/2012 11:33	0.01		PMITCHELL
Field Turbidity	FIELD	2.12	NTU		03/23/2012 11:33	0.02		PMITCHELL
Static Depth to Water	FIELD	12.72	feet		03/23/2012 11:33			PMITCHELL

**Analysis Department:****METALS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.003	mg/L		04/16/2012 17:14	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/30/2012 10:52	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 14:34	0.0039	0.005	KMH
Barium	EPA 200.7	0.033	mg/L		04/12/2012 14:34	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0005	mg/L	I	04/12/2012 14:34	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 14:34	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0046	mg/L	I	04/12/2012 14:34	0.0007	0.005	KMH
Cobalt	EPA 200.7	<0.0003	mg/L	U	04/12/2012 14:34	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012 14:34	0.0009	0.005	KMH
Iron	EPA 200.7	2.19	mg/L		04/12/2012 14:34	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 14:34	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0028	mg/L	I,J,V	04/12/2012 14:34	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 14:34	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 14:34	0.0007	0.005	KMH
Sodium	EPA 200.7	30.2	mg/L		04/12/2012 14:34	0.016	2.00	KMH
Vanadium	EPA 200.7	0.006	mg/L		04/12/2012 14:34	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012 14:34	0.0029	0.005	KMH

Analysis Comments:

Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012 21:09	0.0003	0.002	IR
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**Analysis Department:****NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	4.40	mg/L		03/26/2012 15:38	0.018	0.050	AC



**Analysis Department:****SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	1110	mg/L		03/27/2012 13:14	10.0	10.0	AC

**Sample ID:** AE43923      **Collection Date / Time:** 03/20/2012 11:40

**Sample Point:** Lena Road Monitoring Well GW-14

**Sample Comment:**

**Analysis Department:****ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	158	mg/L		04/03/2012 03:31	0.100	1.00	KMH
Nitrate as N by Ion Chromatography	EPA 300.0	<0.0046	mg/L	U	03/21/2012 23:33	0.0046	0.025	IREED

**Analysis Department:****CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/28/2012 01:55	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:55	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:55	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/28/2012 01:55	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/28/2012 01:55	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/28/2012 01:55	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:55	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:55	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 01:55	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 01:55	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 01:55	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/28/2012 01:55	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 01:55	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/28/2012 01:55	0.09	0.8	CONTRACT

cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/28/2012	01:55	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	01:55	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	01:55	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	01:55	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/28/2012	01:55	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	01:55	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/28/2012	01:55	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/28/2012	01:55	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/28/2012	01:55	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/28/2012	01:55	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/28/2012	01:55	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/28/2012	01:55	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	01:55	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/28/2012	01:55	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/28/2012	01:55	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	01:55	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	01:55	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/28/2012	01:55	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/28/2012	01:55	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/30/2012	04:12	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/30/2012	04:12	0.0057	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	1700	umhos/cm		03/20/2012 11:34	1		
Field Dissolved Oxygen	FIELD	7.47	mg/L		03/20/2012 11:34	0.01		DWELLS
Field pH	FIELD	7.05	Std. units		03/20/2012 11:34	0.010		DWELLS
Field Temperature	FIELD	22.5	Degrees C		03/20/2012 11:34	0.01		
Field Turbidity	FIELD	4.37	NTU		03/20/2012 11:34	0.02		
Static Depth to Water	FIELD	7.90	feet		03/20/2012 11:34			

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.003	mg/L		04/16/2012 17:25	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 10:25	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 11:53	0.0039	0.005	KMH
Barium	EPA 200.7	0.072	mg/L		04/12/2012 11:53	0.0002	0.005	KMH

Beryllium	EPA 200.7	0.0005	mg/L	I	04/12/2012	11:53	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012	11:53	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0041	mg/L	I	04/12/2012	11:53	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0008	mg/L	I	04/12/2012	11:53	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012	11:53	0.0009	0.005	KMH
Iron	EPA 200.7	5.07	mg/L		04/12/2012	11:53	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012	11:53	0.0017	0.005	KMH
Nickel	EPA 200.7	0.005	mg/L	J,V	04/12/2012	11:53	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012	11:53	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012	11:53	0.0007	0.005	KMH
Sodium	EPA 200.7	79.0	mg/L		04/12/2012	11:53	0.016	2.00	KMH
Vanadium	EPA 200.7	0.0010	mg/L	I	04/12/2012	11:53	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012	11:53	0.0029	0.005	KMH

Analysis Comments: Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012	21:19	0.0003	0.002	IR
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#### Analysis Department:

#### NUTRIENTS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.201	mg/L		03/22/2012 15:25	0.018	0.050	AC

#### Analysis Department:

#### SOLIDS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	1580	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID: AE43924 Collection Date / Time: 03/20/2012 10:27

Sample Point: Lena Road Monitoring Well GW-15

Sample Comment:

#### Analysis Department:

#### ANIONS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	75.2	mg/L		04/06/2012 03:23	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	0.260	mg/L		03/21/2012 23:58	0.0046	0.025	IREED

#### Analysis Department:

#### CONTRACT

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
258 Appendix 1 Volatiles -Contract Lab								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 02:29	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 02:29	0.2	0.8	CONTRACT

1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/28/2012	02:29	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	02:29	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	02:29	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/28/2012	02:29	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/28/2012	02:29	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/28/2012	02:29	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	02:29	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	02:29	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	02:29	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	02:29	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	02:29	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	02:29	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/28/2012	02:29	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	02:29	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/28/2012	02:29	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/28/2012	02:29	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/28/2012	02:29	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/28/2012	02:29	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/28/2012	02:29	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/28/2012	02:29	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/28/2012	02:29	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/28/2012	02:29	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/28/2012	02:29	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	02:29	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/28/2012	02:29	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/28/2012	02:29	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/30/2012	04:34	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/30/2012	04:34	0.0057	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	708	umhos/cm		03/20/2012	10:22	1	DWELLS
Field Dissolved Oxygen	FIELD	7.36	mg/L		03/20/2012	10:22	0.01	DWELLS
Field pH	FIELD	6.95	Std. units		03/20/2012	10:22	0.010	DWELLS

Field Temperature	FIELD	22.7	Degrees C	03/20/2012	10:22	0.01		DWELLS
Field Turbidity	FIELD	3.71	NTU	03/20/2012	10:22	0.02		DWELLS
Static Depth to Water	FIELD	9.1	feet	03/20/2012	10:22			DWELLS

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst	
Arsenic by GFAAS	SM 3113B	0.004	mg/L		04/16/2012	18:40	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012	10:28	0.068	0.100	IR
Metals by 200.7									
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012	11:57	0.0039	0.005	KMH
Barium	EPA 200.7	0.072	mg/L		04/12/2012	11:57	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0004	mg/L	I	04/12/2012	11:57	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012	11:57	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0035	mg/L	I	04/12/2012	11:57	0.0007	0.005	KMH
Cobalt	EPA 200.7	<0.0003	mg/L	U	04/12/2012	11:57	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012	11:57	0.0009	0.005	KMH
Iron	EPA 200.7	21.0	mg/L		04/12/2012	11:57	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012	11:57	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0022	mg/L	I,J,V	04/12/2012	11:57	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012	11:57	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012	11:57	0.0007	0.005	KMH
Sodium	EPA 200.7	49.3	mg/L		04/12/2012	11:57	0.016	2.00	KMH
Vanadium	EPA 200.7	0.013	mg/L		04/12/2012	11:57	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012	11:57	0.0029	0.005	KMH

Analysis Comments:

Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012	22:29	0.0003	0.002	IR
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#### Analysis Department:

#### NUTRIENTS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	1.43	mg/L		03/22/2012 14:28	0.018	0.050	AC

#### Analysis Department:

#### SOLIDS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	498	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID: AE43925 Collection Date / Time: 03/20/2012 09:51

Sample Point: Lena Road Monitoring Well GW-16

Sample Comment:

**Analysis Department:** **ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	85.2	mg/L		04/10/2012 10:25	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	0.037	mg/L		03/22/2012 00:24	0.0046	0.025	IREED

**Analysis Department:** **CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/28/2012 03:03	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 03:03	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 03:03	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/28/2012 03:03	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/28/2012 03:03	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/28/2012 03:03	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 03:03	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 03:03	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 03:03	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 03:03	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 03:03	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 03:03	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/28/2012 03:03	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 03:03	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/28/2012 03:03	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:03	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/28/2012 03:03	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/28/2012 03:03	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/28/2012 03:03	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/28/2012 03:03	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/28/2012 03:03	0.09	0.8	CONTRACT

Total xylenes	EPA 8260	<0.1	ug/L	U C	03/28/2012	03:03	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:03	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/28/2012	03:03	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/28/2012	03:03	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:03	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:03	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/28/2012	03:03	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/28/2012	03:03	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/30/2012	05:41	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/30/2012	05:41	0.0057	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	688	umhos/cm		03/20/2012	09:46	1	DWELLS
Field Dissolved Oxygen	FIELD	6.23	mg/L		03/20/2012	09:46	0.01	DWELLS
Field pH	FIELD	7.02	Std. units		03/20/2012	09:46	0.010	DWELLS
Field Temperature	FIELD	22.6	Degrees C		03/20/2012	09:46	0.01	DWELLS
Field Turbidity	FIELD	8.81	NTU		03/20/2012	09:46	0.02	DWELLS
Static Depth to Water	FIELD	13.3	feet		03/20/2012	09:46		DWELLS

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.0021	mg/L		04/16/2012 18:51	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 11:22	0.068	0.100	IR
Metals by 200.7								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 12:01	0.0039	0.005	KMH
Barium	EPA 200.7	0.031	mg/L		04/12/2012 12:01	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0004	mg/L	I	04/12/2012 12:01	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 12:01	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0026	mg/L	I	04/12/2012 12:01	0.0007	0.005	KMH
Cobalt	EPA 200.7	<0.0003	mg/L	U	04/12/2012 12:01	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012 12:01	0.0009	0.005	KMH
Iron	EPA 200.7	1.50	mg/L		04/12/2012 12:01	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 12:01	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0028	mg/L	I,J,V	04/12/2012 12:01	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 12:01	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 12:01	0.0007	0.005	KMH
Sodium	EPA 200.7	77.3	mg/L		04/12/2012 12:01	0.016	2.00	KMH

Vanadium	EPA 200.7	0.016	mg/L		04/12/2012	12:01	0.0005	0.005	KMH
Zinc	EPA 200.7	0.0042	mg/L	I	04/12/2012	12:01	0.0029	0.005	KMH

Analysis Comments: Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012	22:39	0.0003	0.002	IR
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#### Analysis Department:

#### NUTRIENTS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.554	mg/L		03/22/2012 15:25	0.018	0.050	AC

#### Analysis Department:

#### SOLIDS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	464	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID: AE43926 Collection Date / Time: 03/20/2012 09:15

Sample Point: Lena Road Monitoring Well GW-17

Sample Comment:

#### Analysis Department:

#### ANIONS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	8.55	mg/L		04/10/2012 11:08	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	0.016	mg/L	I	03/22/2012 00:49	0.0046	0.025	IREED

#### Analysis Department:

#### CONTRACT

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
258 Appendix 1 Volatiles -Contract Lab								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:37	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:37	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:37	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:37	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:37	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:37	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/28/2012 03:37	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 03:37	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 03:37	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:37	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/28/2012 03:37	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/28/2012 03:37	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/28/2012 03:37	2.0	4.0	CONTRACT



Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/28/2012	03:37	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	03:37	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	03:37	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	03:37	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	03:37	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	03:37	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	03:37	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/28/2012	03:37	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	03:37	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/28/2012	03:37	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/28/2012	03:37	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/28/2012	03:37	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/28/2012	03:37	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/28/2012	03:37	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/28/2012	03:37	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/28/2012	03:37	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/28/2012	03:37	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/28/2012	03:37	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	03:37	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/28/2012	03:37	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/28/2012	03:37	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0056	ug/L	U C	03/30/2012	06:03	0.0056	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0056	ug/L	U C	03/30/2012	06:03	0.0056	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	543	umhos/cm		03/20/2012	09:12	1	DWELLS
Field Dissolved Oxygen	FIELD	6.34	mg/L		03/20/2012	09:12	0.01	DWELLS
Field pH	FIELD	5.78	Std. units		03/20/2012	09:12	0.010	DWELLS
Field Temperature	FIELD	22.7	Degrees C		03/20/2012	09:12	0.01	DWELLS
Field Turbidity	FIELD	23.6	NTU		03/20/2012	09:12	0.02	DWELLS
Static Depth to Water	FIELD	10.60	feet		03/20/2012	09:12		DWELLS

**Analysis Department:****METALS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.003	mg/L		04/16/2012 19:34	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 11:25	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 12:05	0.0039	0.005	KMH
Barium	EPA 200.7	0.027	mg/L		04/12/2012 12:05	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0004	mg/L	I	04/12/2012 12:05	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 12:05	0.0004	0.005	KMH
Chromium	EPA 200.7	0.006	mg/L		04/12/2012 12:05	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0027	mg/L	I	04/12/2012 12:05	0.0003	0.005	KMH
Copper	EPA 200.7	0.0040	mg/L	I	04/12/2012 12:05	0.0009	0.005	KMH
Iron	EPA 200.7	11.4	mg/L		04/12/2012 12:05	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 12:05	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0043	mg/L	I,J,V	04/12/2012 12:05	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 12:05	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 12:05	0.0007	0.005	KMH
Sodium	EPA 200.7	8.09	mg/L		04/12/2012 12:05	0.016	2.00	KMH
Vanadium	EPA 200.7	0.026	mg/L		04/12/2012 12:05	0.0005	0.005	KMH
Zinc	EPA 200.7	0.008	mg/L		04/12/2012 12:05	0.0029	0.005	KMH

Analysis Comments:

Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	0.0004	mg/L	I	04/06/2012 23:19	0.0003	0.002	IR
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**Analysis Department:****NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	2.33	mg/L		03/22/2012 15:35	0.018	0.050	AC

**Analysis Department:****SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	421	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID: AE43928 Collection Date / Time: 03/23/2012 08:41

Sample Point: Lena Road Monitoring Well Field Blank

Sample Comment:

**Analysis Department:****ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
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Chloride by Ion Chromatography	EPA 300.0	<0.100	mg/L	U	04/10/2012	11:52	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	<0.0046	mg/L	U	03/23/2012	20:55	0.0046	0.025	KMH

### Analysis Department:

### CONTRACT

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst	
258 Appendix 1 Volatiles -Contract Lab									
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/28/2012	04:45	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	04:45	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	04:45	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/28/2012	04:45	2.0	4.0	CONTRACT
Acetone	EPA 8260	3.0	ug/L	I C	03/28/2012	04:45	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/28/2012	04:45	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	04:45	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	04:45	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	04:45	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012	04:45	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	04:45	0.4	1.6	CONTRACT
Chloroform	EPA 8260	0.8	ug/L	C	03/28/2012	04:45	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/28/2012	04:45	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/28/2012	04:45	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012	04:45	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	0.3	ug/L	I C	03/28/2012	04:45	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/28/2012	04:45	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/28/2012	04:45	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/28/2012	04:45	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/28/2012	04:45	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/28/2012	04:45	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/28/2012	04:45	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/28/2012	04:45	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/28/2012	04:45	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/28/2012	04:45	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012	04:45	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/28/2012	04:45	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/28/2012	04:45	0.3	1.6	CONTRACT

**Analysis Department:****METALS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	<0.00034	mg/L	U	04/16/2012 19:45	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/30/2012 10:55	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 14:39	0.0039	0.005	KMH
Barium	EPA 200.7	<0.0002	mg/L	U	04/12/2012 14:39	0.0002	0.005	KMH
Beryllium	EPA 200.7	<0.00004	mg/L	U	04/12/2012 14:39	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 14:39	0.0004	0.005	KMH
Chromium	EPA 200.7	<0.0007	mg/L	U	04/12/2012 14:39	0.0007	0.005	KMH
Cobalt	EPA 200.7	<0.0003	mg/L	U	04/12/2012 14:39	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012 14:39	0.0009	0.005	KMH
Iron	EPA 200.7	<0.046	mg/L	U	04/12/2012 14:39	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 14:39	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0013	mg/L	I,J,V	04/12/2012 14:39	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 14:39	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 14:39	0.0007	0.005	KMH
Sodium	EPA 200.7	0.028	mg/L	I	04/12/2012 14:39	0.016	2.00	KMH
Vanadium	EPA 200.7	<0.0005	mg/L	U	04/12/2012 14:39	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012 14:39	0.0029	0.005	KMH
Analysis Comments: Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.								
Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012 23:29	0.0003	0.002	IR

**Analysis Department:****NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.048	mg/L	I	03/26/2012 15:48	0.018	0.050	AC

**Analysis Department:****SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	<10.0	mg/L	U	03/27/2012 13:14	10.0	10.0	AC

Sample ID: AE43929 Collection Date / Time: 03/20/2012 09:39

Sample Point: Lena Road Monitoring Well Field Duplicate

Sample Comment:

**Analysis Department:****ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	38.7	mg/L		04/10/2012 12:36	0.100	1.00	IREED
Nitrate as N by Ion Chromatography	EPA 300.0	0.012	mg/L	I	03/22/2012 01:15	0.0046	0.025	IREED

**Analysis Department:****CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/28/2012 04:11	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 04:11	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 04:11	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/28/2012 04:11	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/28/2012 04:11	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/28/2012 04:11	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 04:11	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 04:11	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 04:11	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/28/2012 04:11	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 04:11	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/28/2012 04:11	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/28/2012 04:11	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/28/2012 04:11	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/28/2012 04:11	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/28/2012 04:11	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/28/2012 04:11	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/28/2012 04:11	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/28/2012 04:11	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/28/2012 04:11	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/28/2012 04:11	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/28/2012 04:11	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/28/2012 04:11	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/28/2012 04:11	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/28/2012 04:11	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/28/2012 04:11	0.3	1.6	CONTRACT

**258 Pesticides -Contract Lab**

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0058	ug/L	U C	03/30/2012	06:25	0.0058	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0058	ug/L	U C	03/30/2012	06:25	0.0058	0.023	CONTRACT

**Analysis Department:****METALS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst	
Arsenic by GFAAS	SM 3113B	0.003	mg/L		04/16/2012	19:56	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012	11:28	0.068	0.100	IR
Metals by 200.7									
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012	13:11	0.0039	0.005	KMH
Barium	EPA 200.7	0.023	mg/L		04/12/2012	13:11	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0003	mg/L	I	04/12/2012	13:11	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012	13:11	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0033	mg/L	I	04/12/2012	13:11	0.0007	0.005	KMH
Cobalt	EPA 200.7	<0.0003	mg/L	U	04/12/2012	13:11	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012	13:11	0.0009	0.005	KMH
Iron	EPA 200.7	0.117	mg/L	I	04/12/2012	13:11	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012	13:11	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0024	mg/L	I,J,V	04/12/2012	13:11	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012	13:11	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012	13:11	0.0007	0.005	KMH
Sodium	EPA 200.7	22.2	mg/L		04/12/2012	13:11	0.016	2.00	KMH
Vanadium	EPA 200.7	0.0040	mg/L	I	04/12/2012	13:11	0.0005	0.005	KMH
Zinc	EPA 200.7	0.0036	mg/L	I	04/12/2012	13:11	0.0029	0.005	KMH

Analysis Comments:

Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/06/2012	23:39	0.0003	0.002	IR
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**Analysis Department:****NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.329	mg/L		03/22/2012 15:25	0.018	0.050	AC

**Analysis Department:****SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	511	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID: AE44015 Collection Date / Time: 03/19/2012 09:18

Sample Point: Lena Road Monitoring Well GW-1

Sample Comment:

**Analysis Department:** **ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	28.2	mg/L		04/03/2012 06:26	0.100	1.00	KMH
Nitrate as N by Ion Chromatography	EPA 300.0	0.013	mg/L	I	03/21/2012 04:00	0.0046	0.025	IREED

**Analysis Department:** **CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012 17:52	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 17:52	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 17:52	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012 17:52	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012 17:52	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012 17:52	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 17:52	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 17:52	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 17:52	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 17:52	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 17:52	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 17:52	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012 17:52	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 17:52	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012 17:52	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 17:52	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012 17:52	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012 17:52	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012 17:52	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012 17:52	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012 17:52	0.09	0.8	CONTRACT

Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	17:52	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	17:52	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	17:52	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	17:52	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	17:52	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	17:52	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	17:52	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	17:52	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0058	ug/L	U C	03/29/2012	22:23	0.0058	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0058	ug/L	U C	03/29/2012	22:23	0.0058	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	609	umhos/cm		03/19/2012	09:18	1	PMITCHELL
Field Dissolved Oxygen	FIELD	0.47	mg/L		03/19/2012	09:18	0.01	PMITCHELL
Field pH	FIELD	6.47	Std. units		03/19/2012	09:18	0.010	PMITCHELL
Field Temperature	FIELD	22.3	Degrees C		03/19/2012	09:18	0.01	PMITCHELL
Field Turbidity	FIELD	6.31	NTU		03/19/2012	09:18	0.02	PMITCHELL
Static Depth to Water	FIELD	9.17	feet		03/19/2012	09:18		PMITCHELL

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.018	mg/L		04/17/2012 11:41	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 11:12	0.068	0.100	IR

#### Metals by 200.7

Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012	11:37	0.0039	0.005	KMH
Barium	EPA 200.7	0.020	mg/L		04/12/2012	11:37	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0004	mg/L	I	04/12/2012	11:37	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012	11:37	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0027	mg/L	I	04/12/2012	11:37	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0016	mg/L	I	04/12/2012	11:37	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012	11:37	0.0009	0.005	KMH
Iron	EPA 200.7	4.85	mg/L		04/12/2012	11:37	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012	11:37	0.0017	0.005	KMH
Nickel	EPA 200.7	0.006	mg/L	J,V	04/12/2012	11:37	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012	11:37	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012	11:37	0.0007	0.005	KMH
Sodium	EPA 200.7	27.3	mg/L		04/12/2012	11:37	0.016	2.00	KMH



Vanadium	EPA 200.7	0.010	mg/L		04/12/2012	11:37	0.0005	0.005	KMH
Zinc	EPA 200.7	0.008	mg/L		04/12/2012	11:37	0.0029	0.005	KMH

Analysis Comments: Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/17/2012	18:42	0.0003	0.002	IR
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#### Analysis Department:

#### NUTRIENTS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.313	mg/L		03/22/2012 15:25	0.018	0.050	AC

#### Analysis Department:

#### SOLIDS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	481	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID: AE44016 Collection Date / Time: 03/19/2012 10:05

Sample Point: Lena Road Monitoring Well GW-2

Sample Comment:

#### Analysis Department:

#### ANIONS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	31.9	mg/L		04/03/2012 07:10	0.100	1.00	KMH
Nitrate as N by Ion Chromatography	EPA 300.0	<0.0046	mg/L	U	03/21/2012 05:42	0.0046	0.025	IREED

#### Analysis Department:

#### CONTRACT

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
258 Appendix 1 Volatiles -Contract Lab								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 18:27	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 18:27	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 18:27	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 18:27	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 18:27	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012 18:27	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012 18:27	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 18:27	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 18:27	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012 18:27	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/27/2012 18:27	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012 18:27	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012 18:27	2.0	4.0	CONTRACT

Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012	18:27	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	18:27	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	18:27	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	18:27	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	18:27	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	18:27	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	18:27	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012	18:27	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	18:27	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012	18:27	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012	18:27	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012	18:27	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012	18:27	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012	18:27	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012	18:27	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	18:27	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	18:27	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	18:27	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	18:27	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	18:27	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	18:27	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/29/2012	22:44	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/29/2012	22:44	0.0057	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	789	umhos/cm		03/19/2012	10:05	1	PMITCHELL
Field Dissolved Oxygen	FIELD	1.98	mg/L		03/19/2012	10:05	0.01	PMITCHELL
Field pH	FIELD	6.46	Std. units		03/19/2012	10:05	0.010	PMITCHELL
Field Temperature	FIELD	22.8	Degrees C		03/19/2012	10:05	0.01	PMITCHELL
Field Turbidity	FIELD	2.91	NTU		03/19/2012	10:05	0.02	PMITCHELL
Static Depth to Water	FIELD	10.00	feet		03/19/2012	10:05		PMITCHELL

**Analysis Department:****METALS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.013	mg/L		04/17/2012 11:51	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 11:48	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 11:16	0.0039	0.005	KMH
Barium	EPA 200.7	0.030	mg/L		04/12/2012 11:16	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0003	mg/L	I	04/12/2012 11:16	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 11:16	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0028	mg/L	I	04/12/2012 11:16	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0003	mg/L	I	04/12/2012 11:16	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012 11:16	0.0009	0.005	KMH
Iron	EPA 200.7	4.01	mg/L		04/12/2012 11:16	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 11:16	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0035	mg/L	I,J,V	04/12/2012 11:16	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 11:16	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 11:16	0.0007	0.005	KMH
Sodium	EPA 200.7	22.2	mg/L		04/12/2012 11:16	0.016	2.00	KMH
Vanadium	EPA 200.7	0.0045	mg/L	I	04/12/2012 11:16	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012 11:16	0.0029	0.005	KMH
Analysis Comments: Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.								
Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/17/2012 18:53	0.0003	0.002	IR

**Analysis Department:****NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	1.63	mg/L		03/22/2012 14:28	0.018	0.050	AC

**Analysis Department:****SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	565	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID: AE44017 Collection Date / Time: 03/19/2012 10:51

Sample Point: Lena Road Monitoring Well GW-3

Sample Comment:

**Analysis Department:****ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
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Chloride by Ion Chromatography	EPA 300.0	38.3	mg/L		04/03/2012	07:54	0.100	1.00	KMH
Nitrate as N by Ion Chromatography	EPA 300.0	0.015	mg/L	I	03/21/2012	06:07	0.0046	0.025	IREED

### Analysis Department:

### CONTRACT

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst	
258 Appendix 1 Volatiles -Contract Lab									
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012	19:02	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	19:02	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	19:02	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012	19:02	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012	19:02	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012	19:02	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	19:02	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	19:02	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	19:02	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	19:02	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	19:02	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	19:02	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012	19:02	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	19:02	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012	19:02	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012	19:02	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012	19:02	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012	19:02	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012	19:02	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012	19:02	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	19:02	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	19:02	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	19:02	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	19:02	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	19:02	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	19:02	0.3	1.6	CONTRACT

### **258 Pesticides -Contract Lab**

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0056	ug/L	U C	03/29/2012	23:06	0.0056	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0056	ug/L	U C	03/29/2012	23:06	0.0056	0.023	CONTRACT

**Analysis Department:****FIELD**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	606	umhos/cm		03/19/2012 10:51	1		PMITCHELL
Field Dissolved Oxygen	FIELD	0.68	mg/L		03/19/2012 10:51	0.01		PMITCHELL
Field pH	FIELD	6.06	Std. units		03/19/2012 10:51	0.010		PMITCHELL
Field Temperature	FIELD	23.6	Degrees C		03/19/2012 10:51	0.01		PMITCHELL
Field Turbidity	FIELD	4.86	NTU		03/19/2012 10:51	0.02		PMITCHELL
Static Depth to Water	FIELD	8.80	feet		03/19/2012 10:51			PMITCHELL

**Analysis Department:****METALS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.0019	mg/L		04/17/2012 12:02	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 11:56	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 11:41	0.0039	0.005	KMH
Barium	EPA 200.7	0.012	mg/L		04/12/2012 11:41	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0003	mg/L	I	04/12/2012 11:41	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 11:41	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0037	mg/L	I	04/12/2012 11:41	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0020	mg/L	I	04/12/2012 11:41	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012 11:41	0.0009	0.005	KMH
Iron	EPA 200.7	7.72	mg/L		04/12/2012 11:41	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 11:41	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0042	mg/L	I	04/12/2012 11:41	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 11:41	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 11:41	0.0007	0.005	KMH
Sodium	EPA 200.7	32.6	mg/L		04/12/2012 11:41	0.016	2.00	KMH
Vanadium	EPA 200.7	0.009	mg/L		04/12/2012 11:41	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012 11:41	0.0029	0.005	KMH
Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/17/2012 19:03	0.0003	0.002	IR

**Analysis Department:****NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.611	mg/L		03/22/2012 15:25	0.018	0.050	AC

**Analysis Department:****SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	454	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

**Sample ID:** AE44018      **Collection Date / Time:** 03/19/2012 11:30

**Sample Point:** Lena Road Monitoring Well GW-4

**Sample Comment:**

**Analysis Department:****ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	21.4	mg/L		04/03/2012 08:37	0.100	1.00	KMH
Nitrate as N by Ion Chromatography	EPA 300.0	0.020	mg/L	I	03/21/2012 08:15	0.0046	0.025	IREED

**Analysis Department:****CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012 20:12	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 20:12	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 20:12	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012 20:12	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012 20:12	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012 20:12	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 20:12	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 20:12	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 20:12	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 20:12	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 20:12	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012 20:12	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 20:12	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012 20:12	0.09	0.8	CONTRACT

cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:12	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:12	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:12	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:12	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012	20:12	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:12	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012	20:12	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012	20:12	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012	20:12	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:12	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012	20:12	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:12	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:12	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:12	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	20:12	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:12	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:12	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	20:12	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	20:12	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0059	ug/L	U C	03/29/2012	23:28	0.0059	0.024	CONTRACT
Ethylene dibromide	EPA 8011	<0.0059	ug/L	U C	03/29/2012	23:28	0.0059	0.024	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	374	umhos/cm		03/19/2012 11:30	1		PMITCHELL
Field Dissolved Oxygen	FIELD	0.91	mg/L		03/19/2012 11:30	0.01		PMITCHELL
Field pH	FIELD	5.99	Std. units		03/19/2012 11:30	0.010		PMITCHELL
Field Temperature	FIELD	23.0	Degrees C		03/19/2012 11:30	0.01		PMITCHELL
Field Turbidity	FIELD	13.1	NTU		03/19/2012 11:30	0.02		PMITCHELL
Static Depth to Water	FIELD	10.70	feet		03/19/2012 11:30			PMITCHELL

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.0016	mg/L		04/17/2012 12:13	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 11:59	0.068	0.100	IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 11:45	0.0039	0.005	KMH
Barium	EPA 200.7	0.013	mg/L		04/12/2012 11:45	0.0002	0.005	KMH

Beryllium	EPA 200.7	0.0003	mg/L	I	04/12/2012	11:45	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012	11:45	0.0004	0.005	KMH
Chromium	EPA 200.7	0.005	mg/L		04/12/2012	11:45	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0011	mg/L	I	04/12/2012	11:45	0.0003	0.005	KMH
Copper	EPA 200.7	0.0010	mg/L	I	04/12/2012	11:45	0.0009	0.005	KMH
Iron	EPA 200.7	7.01	mg/L		04/12/2012	11:45	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012	11:45	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0034	mg/L	I	04/12/2012	11:45	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012	11:45	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012	11:45	0.0007	0.005	KMH
Sodium	EPA 200.7	10.1	mg/L		04/12/2012	11:45	0.016	2.00	KMH
Vanadium	EPA 200.7	0.012	mg/L		04/12/2012	11:45	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012	11:45	0.0029	0.005	KMH

Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/17/2012	19:13	0.0003	0.002	IR
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**Analysis Department:**
**NUTRIENTS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	1.73	mg/L		03/22/2012 15:25	0.018	0.050	AC

**Analysis Department:**
**SOLIDS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	297	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Sample ID:

AE44019

Collection Date / Time:

03/19/2012

12:15

Sample Point:

Lena Road Monitoring Well GW-5

Sample Comment:

**Analysis Department:**
**ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	17.0	mg/L		04/03/2012 09:21	0.100	1.00	KMH
Nitrate as N by Ion Chromatography	EPA 300.0	<0.0046	mg/L	U	03/21/2012 07:49	0.0046	0.025	IREED

**Analysis Department:**
**CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst	
258 Appendix 1 Volatiles -Contract Lab									
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT



1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012	20:47	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:47	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:47	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012	20:47	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012	20:47	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012	20:47	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:47	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:47	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	20:47	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:47	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	20:47	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012	20:47	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012	20:47	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:47	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012	20:47	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012	20:47	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012	20:47	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012	20:47	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:47	0.1	0.8	CONTRACT
Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012	20:47	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:47	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	20:47	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	20:47	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	20:47	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	20:47	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	20:47	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0057	ug/L	U C	03/29/2012	23:50	0.0057	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0057	ug/L	U C	03/29/2012	23:50	0.0057	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	552	umhos/cm		03/19/2012	12:15	1	PMITCHELL
Field Dissolved Oxygen	FIELD	0.62	mg/L		03/19/2012	12:15	0.01	PMITCHELL
Field pH	FIELD	6.15	Std. units		03/19/2012	12:15	0.010	PMITCHELL

Field Temperature	FIELD	24.5	Degrees C	03/19/2012	12:15	0.01		PMITCHELL
Field Turbidity	FIELD	0.63	NTU	03/19/2012	12:15	0.02		PMITCHELL
Static Depth to Water	FIELD	10.20	feet	03/19/2012	12:15			PMITCHELL

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.003	mg/L		04/17/2012	12:24	0.00034	0.001 IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012	12:01	0.068	0.100 IR
<b>Metals by 200.7</b>								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012	11:49	0.0039	0.005 KMH
Barium	EPA 200.7	0.016	mg/L		04/12/2012	11:49	0.0002	0.005 KMH
Beryllium	EPA 200.7	0.0003	mg/L	I	04/12/2012	11:49	0.00004	0.005 KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012	11:49	0.0004	0.005 KMH
Chromium	EPA 200.7	0.006	mg/L		04/12/2012	11:49	0.0007	0.005 KMH
Cobalt	EPA 200.7	0.0011	mg/L	I	04/12/2012	11:49	0.0003	0.005 KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012	11:49	0.0009	0.005 KMH
Iron	EPA 200.7	5.49	mg/L		04/12/2012	11:49	0.046	0.125 KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012	11:49	0.0017	0.005 KMH
Nickel	EPA 200.7	0.0043	mg/L	I	04/12/2012	11:49	0.0002	0.005 KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012	11:49	0.0046	0.005 KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012	11:49	0.0007	0.005 KMH
Sodium	EPA 200.7	16.2	mg/L		04/12/2012	11:49	0.016	2.00 KMH
Vanadium	EPA 200.7	0.010	mg/L		04/12/2012	11:49	0.0005	0.005 KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012	11:49	0.0029	0.005 KMH
Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/17/2012	19:24	0.0003	0.002 IR

#### Analysis Department:

#### NUTRIENTS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	1.94	mg/L		03/29/2012	13:24	0.018	0.050 AC

#### Analysis Department:

#### SOLIDS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	416	mg/L		03/22/2012	14:25	10.0	10.0 KEB/AC

Sample ID: AE44020 Collection Date / Time: 03/20/2012 09:01

Sample Point: Lena Road Monitoring Well GW-6

Sample Comment:

**Analysis Department:** **ANIONS**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	NO RESULT	mg/L	O	04/10/2012 12:23	0.100	1.00	RAC
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Nitrate as N by Ion Chromatography	EPA 300.0	0.540	mg/L		03/22/2012 02:57	0.0046	0.025	IREED

**Analysis Department:** **CONTRACT**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
<b>258 Appendix 1 Volatiles -Contract Lab</b>								
1,1,1,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
1,1,1-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
1,1,2,2-Tetrachloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
1,1,2-Trichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
1,1-Dichloroethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
1,1-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
1,2,3-Trichloropropane	EPA 8260	<0.4	ug/L	U C	03/27/2012 21:22	0.4	0.8	CONTRACT
1,2-Dichlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:22	0.1	0.8	CONTRACT
1,2-Dichloroethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:22	0.1	0.8	CONTRACT
1,2-Dichloropropane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
1,4-Dichlorobenzene	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
2-Butanone	EPA 8260	<2.0	ug/L	U C	03/27/2012 21:22	2.0	4.0	CONTRACT
Acetone	EPA 8260	<2.0	ug/L	U C	03/27/2012 21:22	2.0	4.0	CONTRACT
Acrylonitrile	EPA 8260	<1.3	ug/L	U C	03/27/2012 21:22	1.3	4.0	CONTRACT
Benzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:22	0.1	0.8	CONTRACT
Bromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:22	0.1	0.8	CONTRACT
Bromodichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
Bromoform	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
Bromomethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 21:22	0.4	0.8	CONTRACT
Carbon disulfide	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
Carbon tetrachloride	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
Chlorobenzene	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:22	0.1	0.8	CONTRACT
Chloroethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 21:22	0.4	1.6	CONTRACT
Chloroform	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
Chloromethane	EPA 8260	<0.4	ug/L	U C	03/27/2012 21:22	0.4	1.6	CONTRACT
cis-1,2-Dichloroethylene	EPA 8260	<0.09	ug/L	U C	03/27/2012 21:22	0.09	0.8	CONTRACT
cis-1,3-Dichloropropene	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
Dibromochloromethane	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:22	0.1	0.8	CONTRACT
Dibromomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
Dichloromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
Ethylbenzene	EPA 8260	<0.08	ug/L	U C	03/27/2012 21:22	0.08	0.8	CONTRACT
Iodomethane	EPA 8260	<0.2	ug/L	U C	03/27/2012 21:22	0.2	0.8	CONTRACT
Methyl butyl ketone	EPA 8260	<2.1	ug/L	U C	03/27/2012 21:22	2.1	4.0	CONTRACT
Methyl isobutyl ketone	EPA 8260	<2.6	ug/L	U C	03/27/2012 21:22	2.6	4.0	CONTRACT
Styrene	EPA 8260	<0.05	ug/L	U C	03/27/2012 21:22	0.05	0.8	CONTRACT
Tetrachloroethylene	EPA 8260	<0.1	ug/L	U C	03/27/2012 21:22	0.1	0.8	CONTRACT

Toluene	EPA 8260	<0.09	ug/L	U C	03/27/2012	21:22	0.09	0.8	CONTRACT
Total xylenes	EPA 8260	<0.1	ug/L	U C	03/27/2012	21:22	0.1	0.8	CONTRACT
trans-1,2-Dichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:22	0.2	0.8	CONTRACT
trans-1,3-Dichloropropene	EPA 8260	<0.1	ug/L	U C	03/27/2012	21:22	0.1	0.8	CONTRACT
trans-1,4-Dichloro-2-butene	EPA 8260	<0.3	ug/L	U C	03/27/2012	21:22	0.3	0.8	CONTRACT
Trichloroethylene	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:22	0.2	0.8	CONTRACT
Trichlorofluoromethane	EPA 8260	<0.2	ug/L	U C	03/27/2012	21:22	0.2	0.8	CONTRACT
Vinyl acetate	EPA 8260	<0.4	ug/L	U C	03/27/2012	21:22	0.4	1.6	CONTRACT
Vinyl chloride	EPA 8260	<0.3	ug/L	U C	03/27/2012	21:22	0.3	1.6	CONTRACT

#### 258 Pesticides -Contract Lab

1,2-Dibromo-3-chloropropane	EPA 8011	<0.0058	ug/L	U C	03/30/2012	01:17	0.0058	0.023	CONTRACT
Ethylene dibromide	EPA 8011	<0.0058	ug/L	U C	03/30/2012	01:17	0.0058	0.023	CONTRACT

#### Analysis Department:

#### FIELD

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Field conductivity	FIELD	747	umhos/cm		03/20/2012	09:01	1	PMITCHELL
Field Dissolved Oxygen	FIELD	0.46	mg/L		03/20/2012	09:01	0.01	PMITCHELL
Field pH	FIELD	6.27	Std. units		03/20/2012	09:01	0.010	PMITCHELL
Field Temperature	FIELD	23.1	Degrees C		03/20/2012	09:01	0.01	PMITCHELL
Field Turbidity	FIELD	0.91	NTU		03/20/2012	09:01	0.02	PMITCHELL
Static Depth to Water	FIELD	9.92	feet		03/20/2012	09:01		PMITCHELL

#### Analysis Department:

#### METALS

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Arsenic by GFAAS	SM 3113B	0.009	mg/L		04/17/2012 12:35	0.00034	0.001	IR
Mercury Cold Vapor	EPA 245.1	<0.068	ug/L	U	03/23/2012 12:04	0.068	0.100	IR
Metals by 200.7								
Antimony	EPA 200.7	<0.0039	mg/L	U	04/12/2012 13:15	0.0039	0.005	KMH
Barium	EPA 200.7	0.012	mg/L		04/12/2012 13:15	0.0002	0.005	KMH
Beryllium	EPA 200.7	0.0003	mg/L	I	04/12/2012 13:15	0.00004	0.005	KMH
Cadmium	EPA 200.7	<0.0004	mg/L	U	04/12/2012 13:15	0.0004	0.005	KMH
Chromium	EPA 200.7	0.0026	mg/L	I	04/12/2012 13:15	0.0007	0.005	KMH
Cobalt	EPA 200.7	0.0012	mg/L	I	04/12/2012 13:15	0.0003	0.005	KMH
Copper	EPA 200.7	<0.0009	mg/L	U	04/12/2012 13:15	0.0009	0.005	KMH
Iron	EPA 200.7	16.2	mg/L		04/12/2012 13:15	0.046	0.125	KMH
Lead	EPA 200.7	<0.0017	mg/L	U	04/12/2012 13:15	0.0017	0.005	KMH
Nickel	EPA 200.7	0.0031	mg/L	I	04/12/2012 13:15	0.0002	0.005	KMH
Selenium	EPA 200.7	<0.0046	mg/L	U	04/12/2012 13:15	0.0046	0.005	KMH
Silver	EPA 200.7	<0.0007	mg/L	U	04/12/2012 13:15	0.0007	0.005	KMH

Sodium	EPA 200.7	12.8	mg/L		04/12/2012	13:15	0.016	2.00	KMH
Vanadium	EPA 200.7	0.012	mg/L		04/12/2012	13:15	0.0005	0.005	KMH
Zinc	EPA 200.7	<0.0029	mg/L	U	04/12/2012	13:15	0.0029	0.005	KMH
Thallium by GFAAS	EPA 279.2	<0.0003	mg/L	U	04/17/2012	19:34	0.0003	0.002	IR

**Analysis Department:**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Ammonia	EPA 350.1	0.837	mg/L		03/22/2012 15:35	0.018	0.050	AC

**Analysis Department:**

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Total Dissolved Solids	SM 2540 C	482	mg/L		03/22/2012 14:25	10.0	10.0	KEB/AC

Batch Name: SICPWATER-24325

QA Sample ID: AE43271

Samples AE43915

Analysis Comments: Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Method Blank for Metals by 200.7								
Antimony	<0.0039	mg/L	U	05/04/2012	10:36	0.0039		KMH
Arsenic	<0.0038	mg/L	U	05/04/2012	10:36	0.0038		KMH
Barium	<0.0002	mg/L	U	05/04/2012	10:36	0.0002		KMH
Beryllium	<0.00004	mg/L	U	05/04/2012	10:36	0.00004		KMH
Cadmium	<0.0004	mg/L	U	05/04/2012	10:36	0.0004		KMH
Chromium	<0.0007	mg/L	U	05/04/2012	10:36	0.0007		KMH
Cobalt	<0.0003	mg/L	U	05/04/2012	10:36	0.0003		KMH
Copper	<0.0009	mg/L	U	05/04/2012	10:36	0.0009		KMH
Iron	<0.046	mg/L	U	05/04/2012	10:36	0.046		KMH
Lead	<0.0017	mg/L	U	05/04/2012	10:36	0.0017		KMH
Nickel	0.0009	mg/L	I	05/04/2012	10:36	0.0002		KMH
Selenium	<0.0046	mg/L	U	05/04/2012	10:36	0.0046		KMH
Silver	<0.0007	mg/L	U	05/04/2012	10:36	0.0007		KMH
Sodium	0.016	mg/L	I	05/04/2012	10:36	0.016		KMH
Thallium	<0.0016	mg/L	U	05/04/2012	10:36	0.0016		KMH
Tin	<0.0017	mg/L	U	05/04/2012	10:36	0.0017		KMH
Vanadium	<0.0005	mg/L	U	05/04/2012	10:36	0.0005		KMH
Zinc	<0.0029	mg/L	U	05/04/2012	10:36	0.0029		KMH
Int Calb Rec for Metals by 200.7								
Antimony	96.2	%		05/04/2012	09:46	0.0039		KMH
Arsenic	95.4	%		05/04/2012	09:46	0.0038		KMH

Batch Name:		\$ICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Int Calb Rec for Metals by 200.7								
Barium	101	%		05/04/2012	09:46	0.0002		KMH
Beryllium	98.4	%		05/04/2012	09:46	0.00004		KMH
Cadmium	99.1	%		05/04/2012	09:46	0.0004		KMH
Chromium	100	%		05/04/2012	09:46	0.0007		KMH
Cobalt	103	%		05/04/2012	09:46	0.0003		KMH
Copper	97.6	%		05/04/2012	09:46	0.0009		KMH
Iron	99.2	%		05/04/2012	09:46	0.046		KMH
Lead	103	%		05/04/2012	09:46	0.0017		KMH
Nickel	104	%		05/04/2012	09:46	0.0002		KMH
Selenium	104	%		05/04/2012	09:46	0.0046		KMH
Silver	98.8	%		05/04/2012	09:46	0.0007		KMH
Sodium	99.2	%		05/04/2012	09:46	0.016		KMH
Thallium	103	%		05/04/2012	09:46	0.0016		KMH
Tin	98.9	%		05/04/2012	09:46	0.0017		KMH
Vanadium	98.8	%		05/04/2012	09:46	0.0005		KMH
Zinc	102	%		05/04/2012	09:46	0.0029		KMH
LCS Recovery for Metals by 200.7								
Antimony	97.6	%		05/04/2012	10:49	0.0039		KMH
Arsenic	97.0	%		05/04/2012	10:49	0.0038		KMH
Barium	101	%		05/04/2012	10:49	0.0002		KMH
Beryllium	99.4	%		05/04/2012	10:49	0.00004		KMH
Cadmium	98.6	%		05/04/2012	10:49	0.0004		KMH

Batch Name:		SICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
LCS Recovery for Metals by 200.7								
Chromium	99.8	%		05/04/2012	10:49	0.0007		KMH
Cobalt	100	%		05/04/2012	10:49	0.0003		KMH
Copper	98.2	%		05/04/2012	10:49	0.0009		KMH
Iron	100	%		05/04/2012	10:49	0.046		KMH
Lead	101	%		05/04/2012	10:49	0.0017		KMH
Nickel	102	%		05/04/2012	10:49	0.0002		KMH
Selenium	102	%		05/04/2012	10:49	0.0046		KMH
Silver	96.6	%		05/04/2012	10:49	0.0007		KMH
Sodium	101	%		05/04/2012	10:49	0.016		KMH
Thallium	99.8	%		05/04/2012	10:49	0.0016		KMH
Tin	98.8	%		05/04/2012	10:49	0.0017		KMH
Vanadium	101	%		05/04/2012	10:49	0.0005		KMH
Zinc	101	%		05/04/2012	10:49	0.0029		KMH
MS Result for Metals by 200.7								
Antimony	0.493	mg/L		05/04/2012	11:15	0.0039		KMH
Arsenic	0.560	mg/L		05/04/2012	11:15	0.0038		KMH
Barium	0.530	mg/L		05/04/2012	11:15	0.0002		KMH
Beryllium	0.501	mg/L		05/04/2012	11:15	0.00004		KMH
Cadmium	0.496	mg/L		05/04/2012	11:15	0.0004		KMH
Chromium	0.498	mg/L		05/04/2012	11:15	0.0007		KMH
Cobalt	0.478	mg/L		05/04/2012	11:15	0.0003		KMH
Copper	0.517	mg/L		05/04/2012	11:15	0.0009		KMH



Batch Name:		SICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MS Result for Metals by 200.7								
Iron	11.4	mg/L		05/04/2012	11:15	0.046		KMH
Lead	0.482	mg/L		05/04/2012	11:15	0.0017		KMH
Nickel	0.499	mg/L		05/04/2012	11:15	0.0002		KMH
Selenium	0.496	mg/L		05/04/2012	11:15	0.0046		KMH
Silver	0.501	mg/L		05/04/2012	11:15	0.0007		KMH
Sodium	171	mg/L		05/04/2012	11:15	0.016		KMH
Thallium	0.462	mg/L		05/04/2012	11:15	0.0016		KMH
Tin	0.484	mg/L		05/04/2012	11:15	0.0017		KMH
Vanadium	0.517	mg/L		05/04/2012	11:15	0.0005		KMH
Zinc	0.478	mg/L		05/04/2012	11:15	0.0029		KMH
MS Recovery for Metals by 200.7								
Antimony	98.6	%		05/04/2012	11:07	0.0039		KMH
Arsenic	98.0	%		05/04/2012	11:07	0.0038		KMH
Barium	97.8	%		05/04/2012	11:07	0.0002		KMH
Beryllium	100	%		05/04/2012	11:07	0.00004		KMH
Cadmium	99.2	%		05/04/2012	11:07	0.0004		KMH
Chromium	99.1	%		05/04/2012	11:07	0.0007		KMH
Cobalt	94.8	%		05/04/2012	11:07	0.0003		KMH
Copper	103	%		05/04/2012	11:07	0.0009		KMH
Iron	96.9	%		05/04/2012	11:07	0.046		KMH
Lead	96.4	%		05/04/2012	11:07	0.0017		KMH
Nickel	95.6	%		05/04/2012	11:07	0.0002		KMH

Batch Name:		\$ICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MS Recovery for Metals by 200.7								
Selenium	99.2	%		05/04/2012	11:07	0.0046		KMH
Silver	100	%		05/04/2012	11:07	0.0007		KMH
Sodium	99.0	%		05/04/2012	11:07	0.016		KMH
Thallium	92.4	%		05/04/2012	11:07	0.0016		KMH
Tin	96.4	%		05/04/2012	11:07	0.0017		KMH
Vanadium	103	%		05/04/2012	11:07	0.0005		KMH
Zinc	95.6	%		05/04/2012	11:07	0.0029		KMH
MS/MSD Precision for Metals by 200.7								
Antimony	0.607	%		05/04/2012	11:15	0.0039		KMH
Arsenic	1.24	%		05/04/2012	11:15	0.0038		KMH
Barium	0.939	%		05/04/2012	11:15	0.0002		KMH
Beryllium	0.597	%		05/04/2012	11:15	0.00004		KMH
Cadmium	1.00	%		05/04/2012	11:15	0.0004		KMH
Chromium	0.999	%		05/04/2012	11:15	0.0007		KMH
Cobalt	0.833	%		05/04/2012	11:15	0.0003		KMH
Copper	0.771	%		05/04/2012	11:15	0.0009		KMH
Iron	0.00	%		05/04/2012	11:15	0.046		KMH
Lead	0.826	%		05/04/2012	11:15	0.0017		KMH
Nickel	0.997	%		05/04/2012	11:15	0.0002		KMH
Selenium	0.603	%		05/04/2012	11:15	0.0046		KMH
Silver	0.993	%		05/04/2012	11:15	0.0007		KMH
Sodium	1.16	%		05/04/2012	11:15	0.016		KMH

Batch Name:		\$ICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MS/MSD Precision for Metals by 200.7								
Thallium	1.29	%		05/04/2012	11:15	0.0016		KMH
Tin	0.618	%		05/04/2012	11:15	0.0017		KMH
Vanadium	0.771	%		05/04/2012	11:15	0.0005		KMH
Zinc	1.25	%		05/04/2012	11:15	0.0029		KMH
CCV Rec for Metals by 200.7								
Antimony	98.6	%		05/04/2012	12:04	0.0039		KMH
Arsenic	97.5	%		05/04/2012	12:04	0.0038		KMH
Barium	101	%		05/04/2012	12:04	0.0002		KMH
Beryllium	101	%		05/04/2012	12:04	0.00004		KMH
Cadmium	99.4	%		05/04/2012	12:04	0.0004		KMH
Chromium	99.2	%		05/04/2012	12:04	0.0007		KMH
Cobalt	100	%		05/04/2012	12:04	0.0003		KMH
Copper	98.2	%		05/04/2012	12:04	0.0009		KMH
Iron	97.6	%		05/04/2012	12:04	0.046		KMH
Lead	101	%		05/04/2012	12:04	0.0017		KMH
Nickel	101	%		05/04/2012	12:04	0.0002		KMH
Selenium	103	%		05/04/2012	12:04	0.0046		KMH
Silver	97.4	%		05/04/2012	12:04	0.0007		KMH
Sodium	97.5	%		05/04/2012	12:04	0.016		KMH
Thallium	98.7	%		05/04/2012	12:04	0.0016		KMH
Tin	99.3	%		05/04/2012	12:04	0.0017		KMH
Vanadium	101	%		05/04/2012	12:04	0.0005		KMH

Batch Name:		SICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
CCV Rec for Metals by 200.7								
Zinc	101	%		05/04/2012	12:04	0.0029		KMH
Cont Blank for Metals by 200.7								
Antimony	<0.0039	mg/L	U	05/04/2012	12:28	0.0039		KMH
Arsenic	<0.0038	mg/L	U	05/04/2012	12:28	0.0038		KMH
Barium	<0.0002	mg/L	U	05/04/2012	12:28	0.0002		KMH
Beryllium	<0.00004	mg/L	U	05/04/2012	12:28	0.00004		KMH
Cadmium	<0.0004	mg/L	U	05/04/2012	12:28	0.0004		KMH
Chromium	<0.0007	mg/L	U	05/04/2012	12:28	0.0007		KMH
Cobalt	<0.0003	mg/L	U	05/04/2012	12:28	0.0003		KMH
Copper	<0.0009	mg/L	U	05/04/2012	12:28	0.0009		KMH
Iron	<0.046	mg/L	U	05/04/2012	12:28	0.046		KMH
Lead	<0.0017	mg/L	U	05/04/2012	12:28	0.0017		KMH
Nickel	0.0007	mg/L	I	05/04/2012	12:28	0.0002		KMH
Selenium	<0.0046	mg/L	U	05/04/2012	12:28	0.0046		KMH
Silver	<0.0007	mg/L	U	05/04/2012	12:28	0.0007		KMH
Sodium	0.028	mg/L	I	05/04/2012	12:28	0.016		KMH
Thallium	<0.0016	mg/L	U	05/04/2012	12:28	0.0016		KMH
Tin	<0.0017	mg/L	U	05/04/2012	12:28	0.0017		KMH
Vanadium	<0.0005	mg/L	U	05/04/2012	12:28	0.0005		KMH
Zinc	<0.0029	mg/L	U	05/04/2012	12:28	0.0029		KMH
CCV for Metals by 200.7								
Antimony	0.986	mg/L		05/04/2012	12:04	0.0039		KMH

Batch Name:		SICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
CCV for Metals by 200.7								
Arsenic	0.975	mg/L		05/04/2012	12:04	0.0038		KMH
Barium	1.01	mg/L		05/04/2012	12:04	0.0002		KMH
Beryllium	1.01	mg/L		05/04/2012	12:04	0.00004		KMH
Cadmium	0.994	mg/L		05/04/2012	12:04	0.0004		KMH
Chromium	0.992	mg/L		05/04/2012	12:04	0.0007		KMH
Cobalt	1.00	mg/L		05/04/2012	12:04	0.0003		KMH
Copper	0.982	mg/L		05/04/2012	12:04	0.0009		KMH
Iron	12.2	mg/L		05/04/2012	12:04	0.046		KMH
Lead	1.01	mg/L		05/04/2012	12:04	0.0017		KMH
Nickel	1.01	mg/L		05/04/2012	12:04	0.0002		KMH
Selenium	1.03	mg/L		05/04/2012	12:04	0.0046		KMH
Silver	0.487	mg/L		05/04/2012	12:04	0.0007		KMH
Sodium	195	mg/L		05/04/2012	12:04	0.016		KMH
Thallium	0.987	mg/L		05/04/2012	12:04	0.0016		KMH
Tin	0.993	mg/L		05/04/2012	12:04	0.0017		KMH
Vanadium	1.01	mg/L		05/04/2012	12:04	0.0005		KMH
Zinc	1.01	mg/L		05/04/2012	12:04	0.0029		KMH
Initial Calibration for Metals by 200.7								
Antimony	0.962	mg/L		05/04/2012	09:46	0.0039		KMH
Arsenic	0.954	mg/L		05/04/2012	09:46	0.0038		KMH
Barium	1.01	mg/L		05/04/2012	09:46	0.0002		KMH
Beryllium	0.984	mg/L		05/04/2012	09:46	0.00004		KMH

Batch Name:		\$ICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Initial Calibration for Metals by 200.7								
Cadmium	0.991	mg/L		05/04/2012	09:46	0.0004		KMH
Chromium	1.00	mg/L		05/04/2012	09:46	0.0007		KMH
Cobalt	1.03	mg/L		05/04/2012	09:46	0.0003		KMH
Copper	0.976	mg/L		05/04/2012	09:46	0.0009		KMH
Iron	12.4	mg/L		05/04/2012	09:46	0.046		KMH
Lead	1.03	mg/L		05/04/2012	09:46	0.0017		KMH
Nickel	1.04	mg/L		05/04/2012	09:46	0.0002		KMH
Selenium	1.04	mg/L		05/04/2012	09:46	0.0046		KMH
Silver	0.247	mg/L		05/04/2012	09:46	0.0007		KMH
Sodium	99.2	mg/L		05/04/2012	09:46	0.016		KMH
Thallium	1.03	mg/L		05/04/2012	09:46	0.0016		KMH
Tin	0.989	mg/L		05/04/2012	09:46	0.0017		KMH
Vanadium	0.988	mg/L		05/04/2012	09:46	0.0005		KMH
Zinc	1.02	mg/L		05/04/2012	09:46	0.0029		KMH
Metals by 200.7								
Antimony	<0.0039	mg/L	U	05/04/2012	11:07	0.0039		KMH
Arsenic	0.070	mg/L		05/04/2012	11:07	0.0038		KMH
Barium	0.041	mg/L		05/04/2012	11:07	0.0002		KMH
Beryllium	<0.00004	mg/L	U	05/04/2012	11:07	0.00004		KMH
Cadmium	<0.0004	mg/L	U	05/04/2012	11:07	0.0004		KMH
Chromium	0.0023	mg/L	I	05/04/2012	11:07	0.0007		KMH
Cobalt	0.0041	mg/L	I	05/04/2012	11:07	0.0003		KMH

Batch Name:		SICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Metals by 200.7								
Copper	<0.0009	mg/L	U	05/04/2012	11:07	0.0009		KMH
Iron	4.86	mg/L		05/04/2012	11:07	0.046		KMH
Lead	<0.0017	mg/L	U	05/04/2012	11:07	0.0017		KMH
Nickel	0.021	mg/L		05/04/2012	11:07	0.0002		KMH
Selenium	<0.0046	mg/L	U	05/04/2012	11:07	0.0046		KMH
Silver	<0.0007	mg/L	U	05/04/2012	11:07	0.0007		KMH
Sodium	71.5	mg/L		05/04/2012	11:07	0.016		KMH
Thallium	<0.0016	mg/L	U	05/04/2012	11:07	0.0016		KMH
Tin	0.0022	mg/L	I	05/04/2012	11:07	0.0017		KMH
Vanadium	<0.0005	mg/L	U	05/04/2012	11:07	0.0005		KMH
Zinc	<0.0029	mg/L	U	05/04/2012	11:07	0.0029		KMH
LCS for Metals by 200.7								
Antimony	0.488	mg/L		05/04/2012	10:49	0.0039		KMH
Arsenic	0.485	mg/L		05/04/2012	10:49	0.0038		KMH
Barium	0.506	mg/L		05/04/2012	10:49	0.0002		KMH
Beryllium	0.497	mg/L		05/04/2012	10:49	0.00004		KMH
Cadmium	0.493	mg/L		05/04/2012	10:49	0.0004		KMH
Chromium	0.499	mg/L		05/04/2012	10:49	0.0007		KMH
Cobalt	0.502	mg/L		05/04/2012	10:49	0.0003		KMH
Copper	0.491	mg/L		05/04/2012	10:49	0.0009		KMH
Iron	10.5	mg/L		05/04/2012	10:49	0.046		KMH
Lead	0.504	mg/L		05/04/2012	10:49	0.0017		KMH

Batch Name:		\$ICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
LCS for Metals by 200.7								
Nickel	0.509	mg/L		05/04/2012	10:49	0.0002		KMH
Selenium	0.509	mg/L		05/04/2012	10:49	0.0046		KMH
Silver	0.483	mg/L		05/04/2012	10:49	0.0007		KMH
Sodium	10.6	mg/L		05/04/2012	10:49	0.016		KMH
Thallium	0.499	mg/L		05/04/2012	10:49	0.0016		KMH
Tin	0.494	mg/L		05/04/2012	10:49	0.0017		KMH
Vanadium	0.505	mg/L		05/04/2012	10:49	0.0005		KMH
Zinc	0.507	mg/L		05/04/2012	10:49	0.0029		KMH
RB for Metals by 200.7								
Antimony	<0.0039	mg/L	U	05/04/2012	10:41	0.0039		KMH
Arsenic	<0.0038	mg/L	U	05/04/2012	10:41	0.0038		KMH
Barium	<0.0002	mg/L	U	05/04/2012	10:41	0.0002		KMH
Beryllium	<0.00004	mg/L	U	05/04/2012	10:41	0.00004		KMH
Cadmium	<0.0004	mg/L	U	05/04/2012	10:41	0.0004		KMH
Chromium	<0.0007	mg/L	U	05/04/2012	10:41	0.0007		KMH
Cobalt	<0.0003	mg/L	U	05/04/2012	10:41	0.0003		KMH
Copper	<0.0009	mg/L	U	05/04/2012	10:41	0.0009		KMH
Iron	<0.046	mg/L	U	05/04/2012	10:41	0.046		KMH
Lead	<0.0017	mg/L	U	05/04/2012	10:41	0.0017		KMH
Nickel	0.0006	mg/L	I	05/04/2012	10:41	0.0002		KMH
Selenium	<0.0046	mg/L	U	05/04/2012	10:41	0.0046		KMH
Silver	<0.0007	mg/L	U	05/04/2012	10:41	0.0007		KMH



Batch Name:		SICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
RB for Metals by 200.7								
Sodium	<0.016	mg/L	U	05/04/2012	10:41	0.016		KMH
Thallium	<0.0016	mg/L	U	05/04/2012	10:41	0.0016		KMH
Tin	<0.0017	mg/L	U	05/04/2012	10:41	0.0017		KMH
Vanadium	<0.0005	mg/L	U	05/04/2012	10:41	0.0005		KMH
Zinc	<0.0029	mg/L	U	05/04/2012	10:41	0.0029		KMH
MSD Recovery for Metals by 200.7								
Antimony	99.2	%		05/04/2012	11:07	0.0039		KMH
Arsenic	99.4	%		05/04/2012	11:07	0.0038		KMH
Barium	98.8	%		05/04/2012	11:07	0.0002		KMH
Beryllium	101	%		05/04/2012	11:07	0.00004		KMH
Cadmium	100	%		05/04/2012	11:07	0.0004		KMH
Chromium	100	%		05/04/2012	11:07	0.0007		KMH
Cobalt	95.6	%		05/04/2012	11:07	0.0003		KMH
Copper	104	%		05/04/2012	11:07	0.0009		KMH
Iron	96.9	%		05/04/2012	11:07	0.046		KMH
Lead	97.2	%		05/04/2012	11:07	0.0017		KMH
Nickel	96.6	%		05/04/2012	11:07	0.0002		KMH
Selenium	99.8	%		05/04/2012	11:07	0.0046		KMH
Silver	101	%		05/04/2012	11:07	0.0007		KMH
Sodium	101	%		05/04/2012	11:07	0.016		KMH
Thallium	93.6	%		05/04/2012	11:07	0.0016		KMH
Tin	97.0	%		05/04/2012	11:07	0.0017		KMH

Batch Name:		SICPWATER-24325		QA Sample ID:		AE43271		
Samples		AE43915						
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MSD Recovery for Metals by 200.7								
Vanadium	104	%		05/04/2012	11:07	0.0005		KMH
Zinc	96.8	%		05/04/2012	11:07	0.0029		KMH
MSD Result for Metals by 200.7								
Antimony	0.496	mg/L		05/04/2012	11:07	0.0039		KMH
Arsenic	0.567	mg/L		05/04/2012	11:07	0.0038		KMH
Barium	0.535	mg/L		05/04/2012	11:07	0.0002		KMH
Beryllium	0.504	mg/L		05/04/2012	11:07	0.00004		KMH
Cadmium	0.501	mg/L		05/04/2012	11:07	0.0004		KMH
Chromium	0.503	mg/L		05/04/2012	11:07	0.0007		KMH
Cobalt	0.482	mg/L		05/04/2012	11:07	0.0003		KMH
Copper	0.521	mg/L		05/04/2012	11:07	0.0009		KMH
Iron	11.4	mg/L		05/04/2012	11:07	0.046		KMH
Lead	0.486	mg/L		05/04/2012	11:07	0.0017		KMH
Nickel	0.504	mg/L		05/04/2012	11:07	0.0002		KMH
Selenium	0.499	mg/L		05/04/2012	11:07	0.0046		KMH
Silver	0.506	mg/L		05/04/2012	11:07	0.0007		KMH
Sodium	173	mg/L		05/04/2012	11:07	0.016		KMH
Thallium	0.468	mg/L		05/04/2012	11:07	0.0016		KMH
Tin	0.487	mg/L		05/04/2012	11:07	0.0017		KMH
Vanadium	0.521	mg/L		05/04/2012	11:07	0.0005		KMH
Zinc	0.484	mg/L		05/04/2012	11:07	0.0029		KMH

Batch Name:		CLIC-24219		QA Sample ID:		AE44452		
Samples		AE43915						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Chloride	100	mg/L		04/08/2012	18:46	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Method Blank for Chloride	<0.100	mg/L	U	04/09/2012	12:21	0.100		IR
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont. Blank for Chloride	<0.100	mg/L	U	04/09/2012	10:50	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont. Cal. for Chloride	201	mg/L		04/09/2012	07:55	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont Calb Rec for Chloride	100	%		04/09/2012	07:55			IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Chloride by Ion Chromatography	88.4	mg/L		04/08/2012	16:35	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Sample Dup for Chloride	87.6	mg/L		04/08/2012	17:19	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
ICV for Chloride	30.2	mg/L		04/09/2012	12:21	0.100		IR
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
ICV Conc for Chloride	30.0	mg/L		04/09/2012	12:21	0.100		IR
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Int Calb Rec for Chloride	101	%		04/09/2012	12:21			IR
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Samp Dup Prec for Chloride	0.909	%		04/08/2012	16:35			IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
MS Recovery for Chloride	97.6	%		04/08/2012	16:35			IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
MS Result for Chloride	186	mg/L		04/08/2012	18:46	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Batch Name:		TDS-24164		QA Sample ID:		AE43915		
Samples		AE43915						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Method Blank for TDS	<10.0	mg/L	U	04/04/2012	16:13	10.0		KEB/ IR
Sample Dup for TDS	410	mg/L		04/04/2012	16:13	10.0		KEB/ IR
Initial Calibration for TDS	981	mg/L		04/04/2012	16:13	10.0		KEB/ IR
Int Calb Conc for TDS	1001	mg/L		04/04/2012	16:13	10.0		KEB/ IR

Batch Name:		TDS-24164		QA Sample ID:		AE43915			
Samples		AE43915							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Int Calb Rec for TDS		98.0	%		04/04/2012	16:13			KEB/ IR
Samp Dup Precision for TDS		Pass	%		04/04/2012	16:13			IR
Total Dissolved Solids		403	mg/L		04/04/2012	16:09	10.0		KEB/ IR
Batch Name:		AMM-24160		QA Sample ID:		AE44374			
Samples		AE43915							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Ammonia		40.7	mg/L		03/30/2012	08:05	0.018		AC
Sample Dup for Ammonia		39.9	mg/L		03/30/2012	08:05	0.018		AC
Dup Precision for Ammonia		1.98	%		03/30/2012	08:05			AC
Amt Spiked for Ammonia		50.0	mg/L		03/30/2012	08:05	0.018		AC
MS Result for Ammonia		90.8	mg/L		03/30/2012	08:05	0.018		AC
MS Recovery for Ammonia		100	%		03/30/2012	08:05			AC
Cont Calb Rec for Ammonia		100	%		03/30/2012	08:05			AC
Continuing Cal. Blank for Ammonia		<0.018	mg/L	U	03/30/2012	08:05	0.018		AC
Continuous Calibration for Ammonia		1.00	mg/L		03/30/2012	08:05	0.018		AC
Batch Name:		HG-24155		QA Sample ID:		AE43915			
Samples		AE43915 AE43916 AE43917 AE43922 AE43928							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Mercury Cold Vapor		2.00	ug/L		03/30/2012	11:48	0.068		IR
CCB for Mercury Cold Vapor		<0.068	ug/L	U	03/30/2012	11:18	0.068		IR
Continuous Calibration for Mercury Cold		2.57	ug/L		03/30/2012	11:15	0.068		IR
CCV Rec for Mercury		103	%		03/30/2012	11:15			IR

Batch Name:		HG-24155		QA Sample ID:		AE43915			
Samples		AE43915 AE43916 AE43917 AE43922 AE43928							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Mercury Cold Vapor		<0.068	ug/L	U	03/30/2012	10:57	0.068		IR
MS Recovery for Mercury Cold Vapor		102	%		03/30/2012	10:57			IR
MSD Recovery for Mercury Cold Vapor		101	%		03/30/2012	10:57			IR
MS Result for Mercury Cold Vapor		2.05	ug/L		03/30/2012	11:48	0.068		IR
MSD Result for Mercury Cold Vapor		2.02	ug/L		03/30/2012	11:48	0.068		IR
MS/MSD Precision for Mercury Cold Vapor		1.47	%		03/30/2012	11:48			IR
Batch Name:		TLAA-24152		QA Sample ID:		AE43916			
Samples		AE43915 AE43916 AE43917 AE43918 AE43924 AE43925 AE43926 AE43928 AE43929							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
CCB for Thallium by GFAAS		<0.0003	mg/L	U	04/07/2012	01:19	0.0003		IR
Continuous Calibration for Thallium by G		0.050	mg/L		04/07/2012	00:59	0.0003		IR
Cont Calb Rec for Thallium by GFAAS		100	%		04/07/2012	00:59			IR
MS Rec for Thallium by GFAAS		108	%		04/06/2012	21:29			IR
MSD Rec for Thallium by GFAAS		100.000	%		04/06/2012	21:29			IR
MS Result for Thallium by GFAAS		0.054	mg/L		04/06/2012	21:39	0.0003		IR
MSD Result for Thallium by GFAAS		0.050	mg/L		04/06/2012	21:49	0.0003		IR
MS/MSD Precision for Thallium by GFAAS		7.69	%		04/06/2012	21:39			IR
Thallium by GFAAS		<0.0003	mg/L	U	04/06/2012	21:29	0.0003		IR
Batch Name:		ASAA-24149		QA Sample ID:		AE43916			
Samples		AE43915 AE43916 AE43917 AE43918 AE43924 AE43925 AE43926 AE43928 AE43929							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Arsenic by GFAAS		0.0013	mg/L		04/16/2012	17:36	0.00034		IR

Batch Name:	ASAA-24149			QA Sample ID:	AE43916			
Samples	AE43915 AE43916 AE43917 AE43918 AE43924 AE43925 AE43926 AE43928 AE43929							
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
CCB for Arsenic by GFAAS	<0.00034	mg/L	U	04/16/2012	20:38	0.00034		IR
CCV for Arsenic by GFAAS	0.053	mg/L		04/16/2012	20:17	0.00034		IR
CCV Rec for Arsenic by GFAAS	106	%		04/16/2012	20:17			IR
MS Rec for Arsenic by GFAAS	113	%		04/16/2012	17:36			IR
MSD Rec for Arsenic by GFAAS	115	%		04/16/2012	17:36			IR
MS Result for Arsenic by GFAAS	0.058	mg/L		04/17/2012	07:50	0.00034		IR
MSD Result for Arsenic by GFAAS	0.059	mg/L		04/17/2012	07:50	0.00034		IR
MS/MSD Prec for Arsenic by GFAAS	1.71	%		04/17/2012	07:50			IR
Batch Name:	NO3IC-24147			QA Sample ID:	AE43270			
Samples	AE43915							
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Nitrate	5.00	mg/L		03/28/2012	13:35	0.0046		IREED
CCB for Nitrate	<0.0046	mg/L	U	03/29/2012	00:38	0.0046		IREED
CCV for Nitrate	9.49	mg/L		03/28/2012	23:47	0.0046		IREED
Cont Calb Rec for Nitrate	94.9	%		03/28/2012	23:47			IREED
Sample Dup for Nitrate	<0.0046	mg/L	U	03/28/2012	13:10	0.0046		IREED
Nitrate as N by Ion Chromatography	0.005	mg/L	I	03/28/2012	12:44	0.0046		IREED
Samp Dup Prec. for Nitrate	NO RESULT	%		04/04/2012	08:05			IR
MS Recovery for Nitrate	91.5	%		03/28/2012	12:44			IREED
MS Result for Nitrate	4.58	mg/L		03/28/2012	13:35	0.0046		IREED
Batch Name:	CLIC-24234			QA Sample ID:	AE43916			
Samples	AE43916 AE43917 AE43921 AE43922 AE43925 AE43926 AE43928 AE43929							

Batch Name:		CLIC-24234		QA Sample ID:		AE43916			
Samples		AE43916 AE43917 AE43921 AE43922 AE43925 AE43926 AE43928 AE43929							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Chloride		100	mg/L		04/10/2012	06:46	0.100		IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Method Blank for Chloride		<0.100	mg/L	U	04/10/2012	02:23	0.100		IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont. Blank for Chloride		<0.100	mg/L	U	04/10/2012	17:43	0.100		IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont. Cal. for Chloride		199	mg/L		04/10/2012	14:48	0.100		IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont Calb Rec for Chloride		99.5	%		04/10/2012	14:48			IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Chloride by Ion Chromatography		26.9	mg/L		04/10/2012	05:18	0.100		IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Sample Dup for Chloride		26.8	mg/L		04/10/2012	06:02	0.100		IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
ICV for Chloride		29.8	mg/L		04/10/2012	03:07	0.100		IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
ICV Conc for Chloride		30.0	mg/L		04/11/2012	12:52	0.100		IR
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Int Calb Rec for Chloride		99.3	%		04/10/2012	03:07			IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Samp Dup Prec for Chloride		0.372	%		04/10/2012	05:18			IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
MS Recovery for Chloride		100	%		04/10/2012	05:18			IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
MS Result for Chloride		127	mg/L		04/10/2012	06:46	0.100		IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Batch Name:		SICPWATER-24179		QA Sample ID:		AE43919			
Samples		AE43916 AE43917 AE43919 AE43920 AE43921 AE43922 AE43928 AE43929 AE44020							
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MS Result for Metals by 200.7									
Antimony		0.513	mg/L		04/12/2012	12:53	0.0039		KMH
Barium		0.541	mg/L		04/12/2012	12:53	0.0002		KMH
Beryllium		0.513	mg/L		04/12/2012	12:53	0.00004		KMH
Cadmium		0.505	mg/L		04/12/2012	12:53	0.0004		KMH

Batch Name:		\$ICPWATER-24179		QA Sample ID:		AE43919			
Samples		AE43916 AE43917 AE43919 AE43920 AE43921 AE43922 AE43928 AE43929 AE44020							
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MS Result for Metals by 200.7									
Chromium		0.514	mg/L		04/12/2012	12:53	0.0007		KMH
Cobalt		0.498	mg/L		04/12/2012	12:53	0.0003		KMH
Copper		0.520	mg/L		04/12/2012	12:53	0.0009		KMH
Iron		6.90	mg/L		04/12/2012	12:53	0.046		KMH
Lead		0.487	mg/L		04/12/2012	12:53	0.0017		KMH
Nickel		0.486	mg/L		04/12/2012	12:53	0.0002		KMH
Selenium		0.485	mg/L		04/12/2012	12:53	0.0046		KMH
Silver		0.497	mg/L		04/12/2012	12:53	0.0007		KMH
Sodium		116	mg/L		04/12/2012	12:53	0.016		KMH
Vanadium		0.530	mg/L		04/12/2012	12:53	0.0005		KMH
Zinc		0.495	mg/L		04/12/2012	12:53	0.0029		KMH
MS Recovery for Metals by 200.7									
Aluminum			%		04/12/2012	12:45	0.039		KMH
Antimony		103	%		04/12/2012	12:45	0.0039		KMH
Arsenic			%		04/12/2012	12:45	0.0038		KMH
Barium		101	%		04/12/2012	12:45	0.0002		KMH
Beryllium		103	%		04/12/2012	12:45	0.00004		KMH
Cadmium		101	%		04/12/2012	12:45	0.0004		KMH
Calcium			%		04/12/2012	12:45	0.017		KMH
Chromium		102	%		04/12/2012	12:45	0.0007		KMH
Cobalt		99.6	%		04/12/2012	12:45	0.0003		KMH
Copper		104	%		04/12/2012	12:45	0.0009		KMH



Batch Name:		SICPWATER-24179			QA Sample ID:		AE43919		
Samples		AE43916 AE43917 AE43919 AE43920 AE43921 AE43922 AE43928 AE43929 AE44020							
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MS Recovery for Metals by 200.7									
Iron		99.3	%		04/12/2012	12:45	0.046		KMH
Lead		97.4	%		04/12/2012	12:45	0.0017		KMH
Magnesium			%		04/12/2012	12:45	0.028		KMH
Manganese			%		04/12/2012	12:45	0.0004		KMH
Molybdenum			%		04/12/2012	12:45	0.0006		KMH
Nickel		96.5	%		04/12/2012	12:45	0.0002		KMH
Potassium			%		04/12/2012	12:45	0.071		KMH
Selenium		97.0	%		04/12/2012	12:45	0.0046		KMH
Silver		99.4	%		04/12/2012	12:45	0.0007		KMH
Sodium		98.3	%		04/12/2012	12:45	0.016		KMH
Thallium			%		04/12/2012	12:45	0.0016		KMH
Tin			%		04/12/2012	12:45	0.0017		KMH
Titanium			%		04/12/2012	12:45	0.0001		KMH
Vanadium		105	%		04/12/2012	12:45	0.0005		KMH
Zinc		99.0	%		04/12/2012	12:45	0.0029		KMH
MS/MSD Precision for Metals by 200.7									
Antimony		0.783	%		04/12/2012	12:53	0.0039		KMH
Barium		0.185	%		04/12/2012	12:53	0.0002		KMH
Beryllium		0.583	%		04/12/2012	12:53	0.00004		KMH
Cadmium		0.198	%		04/12/2012	12:53	0.0004		KMH
Chromium		0.388	%		04/12/2012	12:53	0.0007		KMH
Cobalt		0.401	%		04/12/2012	12:53	0.0003		KMH

Batch Name:		SICPWATER-24179			QA Sample ID:		AE43919		
Samples		AE43916 AE43917 AE43919 AE43920 AE43921 AE43922 AE43928 AE43929 AE44020							
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
MS/MSD Precision for Metals by 200.7									
Copper	0.192	%		04/12/2012	12:53	0.0009		KMH	
Iron	0.578	%		04/12/2012	12:53	0.046		KMH	
Lead	0.205	%		04/12/2012	12:53	0.0017		KMH	
Nickel	0.820	%		04/12/2012	12:53	0.0002		KMH	
Selenium	0.828	%		04/12/2012	12:53	0.0046		KMH	
Silver	0.602	%		04/12/2012	12:53	0.0007		KMH	
Sodium	0.00	%		04/12/2012	12:53	0.016		KMH	
Vanadium	0.188	%		04/12/2012	12:53	0.0005		KMH	
Zinc	0.403	%		04/12/2012	12:53	0.0029		KMH	
CCV Rec for Metals by 200.7									
Aluminum		%		04/12/2012	15:27	0.039		KMH	
Antimony	98.4	%		04/12/2012	15:27	0.0039		KMH	
Arsenic		%		04/12/2012	15:27	0.0038		KMH	
Barium	101	%		04/12/2012	15:27	0.0002		KMH	
Beryllium	102	%		04/12/2012	15:27	0.00004		KMH	
Cadmium	99.9	%		04/12/2012	15:27	0.0004		KMH	
Calcium		%		04/12/2012	15:27	0.017		KMH	
Chromium	100	%		04/12/2012	15:27	0.0007		KMH	
Cobalt	101	%		04/12/2012	15:27	0.0003		KMH	
Copper	99.9	%		04/12/2012	15:27	0.0009		KMH	
Iron	100	%		04/12/2012	15:27	0.046		KMH	
Lead	99.4	%		04/12/2012	15:27	0.0017		KMH	

Batch Name:	SICPWATER-24179			QA Sample ID:	AE43919				
Samples	AE43916 AE43917 AE43919 AE43920 AE43921 AE43922 AE43928 AE43929 AE44020								
Analysis Comments:			Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
CCV Rec for Metals by 200.7									
Magnesium			%		04/12/2012	15:27	0.028		KMH
Manganese			%		04/12/2012	15:27	0.0004		KMH
Molybdenum			%		04/12/2012	15:27	0.0006		KMH
Nickel		98.9	%		04/12/2012	15:27	0.0002		KMH
Potassium			%		04/12/2012	15:27	0.071		KMH
Selenium		103	%		04/12/2012	15:27	0.0046		KMH
Silver		98.4	%		04/12/2012	15:27	0.0007		KMH
Sodium		98.0	%		04/12/2012	15:27	0.016		KMH
Thallium			%		04/12/2012	15:27	0.0016		KMH
Tin			%		04/12/2012	15:27	0.0017		KMH
Titanium			%		04/12/2012	15:27	0.0001		KMH
Vanadium		101	%		04/12/2012	15:27	0.0005		KMH
Zinc		101	%		04/12/2012	15:27	0.0029		KMH
Cont Blank for Metals by 200.7									
Antimony		<0.0039	mg/L	U	04/12/2012	15:02	0.0039		KMH
Barium		<0.0002	mg/L	U	04/12/2012	15:02	0.0002		KMH
Beryllium		<0.00004	mg/L	U	04/12/2012	15:02	0.00004		KMH
Cadmium		<0.0004	mg/L	U	04/12/2012	15:02	0.0004		KMH
Chromium		<0.0007	mg/L	U	04/12/2012	15:02	0.0007		KMH
Cobalt		<0.0003	mg/L	U	04/12/2012	15:02	0.0003		KMH
Copper		<0.0009	mg/L	U	04/12/2012	15:02	0.0009		KMH
Iron		<0.046	mg/L	U	04/12/2012	15:02	0.046		KMH

Batch Name:		\$ICPWATER-24179			QA Sample ID:		AE43919		
Samples		AE43916 AE43917 AE43919 AE43920 AE43921 AE43922 AE43928 AE43929 AE44020							
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
Cont Blank for Metals by 200.7									
Lead	<0.0017	mg/L	U	04/12/2012	15:02	0.0017		KMH	
Nickel	0.0013	mg/L	I	04/12/2012	15:02	0.0002		KMH	
Selenium	<0.0046	mg/L	U	04/12/2012	15:02	0.0046		KMH	
Silver	<0.0007	mg/L	U	04/12/2012	15:02	0.0007		KMH	
Sodium	<0.016	mg/L	U	04/12/2012	15:02	0.016		KMH	
Vanadium	<0.0005	mg/L	U	04/12/2012	15:02	0.0005		KMH	
Zinc	<0.0029	mg/L	U	04/12/2012	15:02	0.0029		KMH	
CCV for Metals by 200.7									
Antimony	0.984	mg/L		04/12/2012	15:27	0.0039		KMH	
Barium	1.01	mg/L		04/12/2012	15:27	0.0002		KMH	
Beryllium	1.02	mg/L		04/12/2012	15:27	0.00004		KMH	
Cadmium	0.999	mg/L		04/12/2012	15:27	0.0004		KMH	
Chromium	1.00	mg/L		04/12/2012	15:27	0.0007		KMH	
Cobalt	1.01	mg/L		04/12/2012	15:27	0.0003		KMH	
Copper	0.999	mg/L		04/12/2012	15:27	0.0009		KMH	
Iron	12.5	mg/L		04/12/2012	15:27	0.046		KMH	
Lead	0.994	mg/L		04/12/2012	15:27	0.0017		KMH	
Nickel	0.989	mg/L		04/12/2012	15:27	0.0002		KMH	
Selenium	1.03	mg/L		04/12/2012	15:27	0.0046		KMH	
Silver	0.492	mg/L		04/12/2012	15:27	0.0007		KMH	
Sodium	196	mg/L		04/12/2012	15:27	0.016		KMH	
Vanadium	1.01	mg/L		04/12/2012	15:27	0.0005		KMH	

Batch Name:		SICPWATER-24179			QA Sample ID:		AE43919		
Samples		AE43916 AE43917 AE43919 AE43920 AE43921 AE43922 AE43928 AE43929 AE44020							
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
CCV for Metals by 200.7									
Zinc		1.01	mg/L		04/12/2012	15:27	0.0029		KMH
Metals by 200.7									
Antimony		<0.0039	mg/L	U	04/12/2012	12:45	0.0039		KMH
Barium		0.037	mg/L		04/12/2012	12:45	0.0002		KMH
Beryllium		<0.00004	mg/L	U	04/12/2012	12:45	0.00004		KMH
Cadmium		<0.0004	mg/L	U	04/12/2012	12:45	0.0004		KMH
Chromium		0.005	mg/L		04/12/2012	12:45	0.0007		KMH
Cobalt		<0.0003	mg/L	U	04/12/2012	12:45	0.0003		KMH
Copper		<0.0009	mg/L	U	04/12/2012	12:45	0.0009		KMH
Iron		0.198	mg/L		04/12/2012	12:45	0.046		KMH
Lead		<0.0017	mg/L	U	04/12/2012	12:45	0.0017		KMH
Nickel		0.0033	mg/L	I,V,J	04/12/2012	12:45	0.0002		KMH
Selenium		<0.0046	mg/L	U	04/12/2012	12:45	0.0046		KMH
Silver		<0.0007	mg/L	U	04/12/2012	12:45	0.0007		KMH
Sodium		17.2	mg/L		04/12/2012	12:45	0.016		KMH
Vanadium		0.007	mg/L		04/12/2012	12:45	0.0005		KMH
Zinc		<0.0029	mg/L	U	04/12/2012	12:45	0.0029		KMH
MSD Recovery for Metals by 200.7									
Aluminum			%		04/12/2012	12:45	0.039		KMH
Antimony		102	%		04/12/2012	12:45	0.0039		KMH
Arsenic			%		04/12/2012	12:45	0.0038		KMH
Barium		101	%		04/12/2012	12:45	0.0002		KMH

Batch Name:		SICPWATER-24179			QA Sample ID:		AE43919		
Samples		AE43916 AE43917 AE43919 AE43920 AE43921 AE43922 AE43928 AE43929 AE44020							
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MSD Recovery for Metals by 200.7									
Beryllium		103	%		04/12/2012	12:45	0.00004		KMH
Cadmium		101	%		04/12/2012	12:45	0.0004		KMH
Calcium			%		04/12/2012	12:45	0.017		KMH
Chromium		102	%		04/12/2012	12:45	0.0007		KMH
Cobalt		100	%		04/12/2012	12:45	0.0003		KMH
Copper		104	%		04/12/2012	12:45	0.0009		KMH
Iron		99.9	%		04/12/2012	12:45	0.046		KMH
Lead		97.6	%		04/12/2012	12:45	0.0017		KMH
Magnesium			%		04/12/2012	12:45	0.028		KMH
Manganese			%		04/12/2012	12:45	0.0004		KMH
Molybdenum			%		04/12/2012	12:45	0.0006		KMH
Nickel		97.3	%		04/12/2012	12:45	0.0002		KMH
Potassium			%		04/12/2012	12:45	0.071		KMH
Selenium		96.2	%		04/12/2012	12:45	0.0046		KMH
Silver		100	%		04/12/2012	12:45	0.0007		KMH
Sodium		98.3	%		04/12/2012	12:45	0.016		KMH
Thallium			%		04/12/2012	12:45	0.0016		KMH
Tin			%		04/12/2012	12:45	0.0017		KMH
Titanium			%		04/12/2012	12:45	0.0001		KMH
Vanadium		105	%		04/12/2012	12:45	0.0005		KMH
Zinc		99.4	%		04/12/2012	12:45	0.0029		KMH
MSD Result for Metals by 200.7									

Batch Name:	SICPWATER-24179			QA Sample ID:	AE43919				
Samples	AE43916 AE43917 AE43919 AE43920 AE43921 AE43922 AE43928 AE43929 AE44020								
Analysis Comments:			Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MSD Result for Metals by 200.7									
Antimony		0.509	mg/L		04/12/2012	12:57	0.0039		KMH
Barium		0.542	mg/L		04/12/2012	12:57	0.0002		KMH
Beryllium		0.516	mg/L		04/12/2012	12:57	0.00004		KMH
Cadmium		0.506	mg/L		04/12/2012	12:57	0.0004		KMH
Chromium		0.516	mg/L		04/12/2012	12:57	0.0007		KMH
Cobalt		0.500	mg/L		04/12/2012	12:57	0.0003		KMH
Copper		0.521	mg/L		04/12/2012	12:57	0.0009		KMH
Iron		6.94	mg/L		04/12/2012	12:57	0.046		KMH
Lead		0.488	mg/L		04/12/2012	12:57	0.0017		KMH
Nickel		0.490	mg/L		04/12/2012	12:57	0.0002		KMH
Selenium		0.481	mg/L		04/12/2012	12:57	0.0046		KMH
Silver		0.500	mg/L		04/12/2012	12:57	0.0007		KMH
Sodium		116	mg/L		04/12/2012	12:57	0.016		KMH
Vanadium		0.531	mg/L		04/12/2012	12:57	0.0005		KMH
Zinc		0.497	mg/L		04/12/2012	12:57	0.0029		KMH
Batch Name:	TDS-24137			QA Sample ID:	AE43916				
Samples	AE43916 AE43917 AE43921 AE43922 AE43928								
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Method Blank for TDS		<10.0	mg/L	U	03/30/2012	07:20	10.0		AC
Sample Dup for TDS		416	mg/L		03/30/2012	07:20	10.0		AC
Initial Calibration for TDS		985	mg/L		03/30/2012	07:20	10.0		AC

Batch Name:		TDS-24137		QA Sample ID:		AE43916			
Samples		AE43916 AE43917 AE43921 AE43922 AE43928							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Int Calb Conc for TDS		1001	mg/L		03/30/2012	07:20	10.0		AC
Int Calb Rec for TDS		98.4	%		03/30/2012	07:20			AC
Samp Dup Precision for TDS		Pass	%		03/30/2012	07:24			AC
Total Dissolved Solids		422	mg/L		03/30/2012	07:20	10.0		AC
Batch Name:		AMM-24125		QA Sample ID:		AE44272			
Samples		AE43916 AE43921 AE43922 AE43928							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Ammonia		23.2	mg/L		03/27/2012	07:28	0.018		AC
Sample Dup for Ammonia		22.9	mg/L		03/27/2012	07:28	0.018		AC
Dup Precision for Ammonia		1.30	%		03/27/2012	07:28			AC
Amt Spiked for Ammonia		25.0	mg/L		03/27/2012	07:28	0.018		AC
MS Result for Ammonia		48.5	mg/L		03/27/2012	07:28	0.018		AC
MS Recovery for Ammonia		101	%		03/27/2012	07:28			AC
Cont Calb Rec for Ammonia		102	%		03/27/2012	07:28			AC
Continuing Cal. Blank for Ammonia		<0.018	mg/L	U	03/27/2012	07:28	0.018		AC
Method Blank for Ammonia		<0.018	mg/L	U	03/27/2012	07:28	0.018		AC
Continuous Calibration for Ammonia		1.02	mg/L		03/27/2012	07:28	0.018		AC
ICV for Ammonia		0.481	mg/L		03/27/2012	07:28	0.018		AC
ICV Rec for Ammonia		96.2	%		03/27/2012	07:28			AC
Batch Name:		NO3IC-24102		QA Sample ID:		AE43916			
Samples		AE43916 AE43917 AE43921 AE43922 AE43928							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst



Batch Name:	NO3IC-24102		QA Sample ID:	AE43916				
Samples	AE43916 AE43917 AE43921 AE43922 AE43928							
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Nitrate	5.00	mg/L		03/28/2012	10:34	0.0046		KMH
Method Blank for Nitrate	<0.0046	mg/L	U	03/28/2012	10:34	0.0046		KMH
CCB for Nitrate	<0.0046	mg/L	U	03/28/2012	10:34	0.0046		KMH
CCV for Nitrate	9.94	mg/L		03/28/2012	10:34	0.0046		KMH
Cont Calb Rec for Nitrate	99.4	%		03/28/2012	10:34			KMH
Sample Dup for Nitrate	0.094	mg/L		03/28/2012	10:34	0.0046		KMH
ICV for Nitrate	23.7	mg/L		03/28/2012	10:34	0.0046		KMH
ICV Conc for Nitrate	22.6	mg/L		03/28/2012	10:34	0.0046		KMH
Int Calb Rec for Nitrate	105	%		03/28/2012	10:34			KMH
Nitrate as N by Ion Chromatography	0.090	mg/L		03/28/2012	10:34	0.0046		KMH
Samp Dup Prec. for Nitrate	4.35	%		03/28/2012	10:34			KMH
MS Recovery for Nitrate	106	%		03/28/2012	10:34			KMH
MS Result for Nitrate	5.37	mg/L		03/28/2012	10:34	0.0046		KMH
Batch Name:	AMM-24159		QA Sample ID:	AE44349				
Samples	AE43917 AE44019							
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Ammonia	20.6	mg/L		03/30/2012	08:05	0.018		AC
Sample Dup for Ammonia	20.6	mg/L		03/30/2012	08:05	0.018		AC
Dup Precision for Ammonia	0.00	%		03/30/2012	08:05			AC
Amt Spiked for Ammonia	25.0	mg/L		03/30/2012	08:05	0.018		AC
MS Result for Ammonia	46.1	mg/L		03/30/2012	08:05	0.018		AC
MS Recovery for Ammonia	102	%		03/30/2012	08:05			AC

**Batch Name:** AMM-24159 **QA Sample ID:** AE44349

**Samples** AE43917 AE44019

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Cont Calb Rec for Ammonia	96.6	%		03/30/2012	08:05			AC
Continuing Cal. Blank for Ammonia	<0.018	mg/L	U	03/30/2012	08:05	0.018		AC
Method Blank for Ammonia	<0.018	mg/L	U	03/30/2012	08:05	0.018		AC
Continuous Calibration for Ammonia	0.966	mg/L		03/30/2012	08:05	0.018		AC
ICV for Ammonia	0.469	mg/L		03/30/2012	08:05	0.018		AC
ICV Rec for Ammonia	93.8	%		03/30/2012	08:05			AC

**Batch Name:** CLIC-24200 **QA Sample ID:** AE44327

**Samples** AE43918 AE43919 AE43920 AE43924

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Chloride	100	mg/L		04/05/2012	17:54	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Method Blank for Chloride	<0.100	mg/L	U	04/05/2012	09:08	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont. Blank for Chloride	<0.100	mg/L	U	04/06/2012	09:14	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont. Cal. for Chloride	191	mg/L		04/06/2012	06:19	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont Calb Rec for Chloride	95.5	%		04/06/2012	06:19			IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Chloride by Ion Chromatography	87.7	mg/L		04/05/2012	15:43	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Sample Dup for Chloride	89.8	mg/L		04/05/2012	16:26	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
ICV for Chloride	30.3	mg/L		04/05/2012	10:36	0.100		IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
ICV Conc for Chloride	30.0	mg/L		04/07/2012	13:42	0.100		IR
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Int Calb Rec for Chloride	101	%		04/05/2012	10:36			IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Samp Dup Prec for Chloride	2.37	%		04/05/2012	15:43			IREED
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							

Batch Name:		CLIC-24200		QA Sample ID:		AE44327			
Samples		AE43918 AE43919 AE43920 AE43924							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MS Recovery for Chloride		101	%		04/05/2012 15:43				IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
MS Result for Chloride		189	mg/L		04/05/2012 17:54		0.100		IREED
Analysis Comments:		O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Batch Name:		SICPWATER-24178		QA Sample ID:		AE44016			
Samples		AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019							
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Method Blank for Metals by 200.7									
Antimony		<0.0039	mg/L	U	04/12/2012 10:58		0.0039		KMH
Barium		<0.0002	mg/L	U	04/12/2012 10:58		0.0002		KMH
Beryllium		<0.00004	mg/L	U	04/12/2012 10:58		0.00004		KMH
Cadmium		<0.0004	mg/L	U	04/12/2012 10:58		0.0004		KMH
Chromium		<0.0007	mg/L	U	04/12/2012 10:58		0.0007		KMH
Cobalt		<0.0003	mg/L	U	04/12/2012 10:58		0.0003		KMH
Copper		<0.0009	mg/L	U	04/12/2012 10:58		0.0009		KMH
Iron		<0.046	mg/L	U	04/12/2012 10:58		0.046		KMH
Lead		<0.0017	mg/L	U	04/12/2012 10:58		0.0017		KMH
Nickel		0.0013	mg/L	I	04/12/2012 10:58		0.0002		KMH
Selenium		<0.0046	mg/L	U	04/12/2012 10:58		0.0046		KMH
Silver		<0.0007	mg/L	U	04/12/2012 10:58		0.0007		KMH
Sodium		<0.016	mg/L	U	04/12/2012 10:58		0.016		KMH
Vanadium		<0.0005	mg/L	U	04/12/2012 10:58		0.0005		KMH
Zinc		<0.0029	mg/L	U	04/12/2012 10:58		0.0029		KMH
Int Calb Rec for Metals by 200.7									
Antimony		98.8	%		04/12/2012 10:08		0.0039		KMH

Batch Name:	\$ICPWATER-24178			QA Sample ID:	AE44016				
Samples	AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019								
Analysis Comments:			Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Int Calb Rec for Metals by 200.7									
Barium		105	%		04/12/2012	10:08	0.0002		KMH
Beryllium		101	%		04/12/2012	10:08	0.00004		KMH
Cadmium		102	%		04/12/2012	10:08	0.0004		KMH
Chromium		103	%		04/12/2012	10:08	0.0007		KMH
Cobalt		104	%		04/12/2012	10:08	0.0003		KMH
Copper		104	%		04/12/2012	10:08	0.0009		KMH
Iron		101	%		04/12/2012	10:08	0.046		KMH
Lead		105	%		04/12/2012	10:08	0.0017		KMH
Nickel		103	%		04/12/2012	10:08	0.0002		KMH
Selenium		105	%		04/12/2012	10:08	0.0046		KMH
Silver		104	%		04/12/2012	10:08	0.0007		KMH
Sodium		101	%		04/12/2012	10:08	0.016		KMH
Vanadium		103	%		04/12/2012	10:08	0.0005		KMH
Zinc		105	%		04/12/2012	10:08	0.0029		KMH
LCS Recovery for Metals by 200.7									
Antimony		99.8	%		04/12/2012	11:07	0.0039		KMH
Barium		103	%		04/12/2012	11:07	0.0002		KMH
Beryllium		103	%		04/12/2012	11:07	0.00004		KMH
Cadmium		100	%		04/12/2012	11:07	0.0004		KMH
Chromium		103	%		04/12/2012	11:07	0.0007		KMH
Cobalt		102	%		04/12/2012	11:07	0.0003		KMH
Copper		102	%		04/12/2012	11:07	0.0009		KMH

Batch Name:		SICPWATER-24178			QA Sample ID:		AE44016		
Samples		AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019							
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
LCS Recovery for Metals by 200.7									
Iron		104	%		04/12/2012	11:07	0.046		KMH
Lead		102	%		04/12/2012	11:07	0.0017		KMH
Nickel		101	%		04/12/2012	11:07	0.0002		KMH
Selenium		104	%		04/12/2012	11:07	0.0046		KMH
Silver		98.6	%		04/12/2012	11:07	0.0007		KMH
Sodium		103	%		04/12/2012	11:07	0.016		KMH
Vanadium		103	%		04/12/2012	11:07	0.0005		KMH
Zinc		103	%		04/12/2012	11:07	0.0029		KMH
MS Result for Metals by 200.7									
Antimony		0.511	mg/L		04/12/2012	11:24	0.0039		KMH
Barium		0.534	mg/L		04/12/2012	11:24	0.0002		KMH
Beryllium		0.516	mg/L		04/12/2012	11:24	0.00004		KMH
Cadmium		0.506	mg/L		04/12/2012	11:24	0.0004		KMH
Chromium		0.513	mg/L		04/12/2012	11:24	0.0007		KMH
Cobalt		0.496	mg/L		04/12/2012	11:24	0.0003		KMH
Copper		0.520	mg/L		04/12/2012	11:24	0.0009		KMH
Iron		10.7	mg/L		04/12/2012	11:24	0.046		KMH
Lead		0.485	mg/L		04/12/2012	11:24	0.0017		KMH
Nickel		0.487	mg/L		04/12/2012	11:24	0.0002		KMH
Selenium		0.540	mg/L		04/12/2012	11:24	0.0046		KMH
Silver		0.504	mg/L		04/12/2012	11:24	0.0007		KMH
Sodium		123	mg/L		04/12/2012	11:24	0.016		KMH

Batch Name:	\$ICPWATER-24178			QA Sample ID:	AE44016				
Samples	AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019								
Analysis Comments:			Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.						
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
MS Result for Metals by 200.7									
Vanadium	0.528	mg/L		04/12/2012	11:24	0.0005		KMH	
Zinc	0.493	mg/L		04/12/2012	11:24	0.0029		KMH	
MS Recovery for Metals by 200.7									
Antimony	102	%		04/12/2012	11:16	0.0039		KMH	
Barium	101	%		04/12/2012	11:16	0.0002		KMH	
Beryllium	103	%		04/12/2012	11:16	0.00004		KMH	
Cadmium	101	%		04/12/2012	11:16	0.0004		KMH	
Chromium	102	%		04/12/2012	11:16	0.0007		KMH	
Cobalt	99.1	%		04/12/2012	11:16	0.0003		KMH	
Copper	104	%		04/12/2012	11:16	0.0009		KMH	
Iron	99.1	%		04/12/2012	11:16	0.046		KMH	
Lead	97.0	%		04/12/2012	11:16	0.0017		KMH	
Nickel	96.7	%		04/12/2012	11:16	0.0002		KMH	
Selenium	108	%		04/12/2012	11:16	0.0046		KMH	
Silver	101	%		04/12/2012	11:16	0.0007		KMH	
Sodium	100	%		04/12/2012	11:16	0.016		KMH	
Vanadium	105	%		04/12/2012	11:16	0.0005		KMH	
Zinc	98.6	%		04/12/2012	11:16	0.0029		KMH	
MS/MSD Precision for Metals by 200.7									
Antimony	0.196	%		04/12/2012	11:24	0.0039		KMH	
Barium	0.746	%		04/12/2012	11:24	0.0002		KMH	
Beryllium	0.580	%		04/12/2012	11:24	0.00004		KMH	

Batch Name:	SICPWATER-24178			QA Sample ID:	AE44016				
Samples	AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019								
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
MS/MSD Precision for Metals by 200.7									
Cadmium	0.787	%		04/12/2012	11:24	0.0004		KMH	
Chromium	0.389	%		04/12/2012	11:24	0.0007		KMH	
Cobalt	0.603	%		04/12/2012	11:24	0.0003		KMH	
Copper	0.575	%		04/12/2012	11:24	0.0009		KMH	
Iron	0.930	%		04/12/2012	11:24	0.046		KMH	
Lead	0.412	%		04/12/2012	11:24	0.0017		KMH	
Nickel	0.410	%		04/12/2012	11:24	0.0002		KMH	
Selenium	1.12	%		04/12/2012	11:24	0.0046		KMH	
Silver	0.00	%		04/12/2012	11:24	0.0007		KMH	
Sodium	0.810	%		04/12/2012	11:24	0.016		KMH	
Vanadium	0.942	%		04/12/2012	11:24	0.0005		KMH	
Zinc	0.808	%		04/12/2012	11:24	0.0029		KMH	
CCV Rec for Metals by 200.7									
Antimony	100	%		04/12/2012	12:17	0.0039		KMH	
Barium	102	%		04/12/2012	12:17	0.0002		KMH	
Beryllium	103	%		04/12/2012	12:17	0.00004		KMH	
Cadmium	100	%		04/12/2012	12:17	0.0004		KMH	
Chromium	101	%		04/12/2012	12:17	0.0007		KMH	
Cobalt	101	%		04/12/2012	12:17	0.0003		KMH	
Copper	100	%		04/12/2012	12:17	0.0009		KMH	
Iron	99.2	%		04/12/2012	12:17	0.046		KMH	
Lead	101	%		04/12/2012	12:17	0.0017		KMH	

Batch Name:		SICPWATER-24178			QA Sample ID:		AE44016			
Samples		AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019								
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.								
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
CCV Rec for Metals by 200.7										
Nickel		99.2	%		04/12/2012	12:17	0.0002		KMH	
Selenium		107	%		04/12/2012	12:17	0.0046		KMH	
Silver		98.6	%		04/12/2012	12:17	0.0007		KMH	
Sodium		98.0	%		04/12/2012	12:17	0.016		KMH	
Vanadium		102	%		04/12/2012	12:17	0.0005		KMH	
Zinc		102	%		04/12/2012	12:17	0.0029		KMH	
Cont Blank for Metals by 200.7										
Antimony		<0.0039	mg/L	U	04/12/2012	12:41	0.0039		KMH	
Barium		<0.0002	mg/L	U	04/12/2012	12:41	0.0002		KMH	
Beryllium		<0.00004	mg/L	U	04/12/2012	12:41	0.00004		KMH	
Cadmium		<0.0004	mg/L	U	04/12/2012	12:41	0.0004		KMH	
Chromium		<0.0007	mg/L	U	04/12/2012	12:41	0.0007		KMH	
Cobalt		<0.0003	mg/L	U	04/12/2012	12:41	0.0003		KMH	
Copper		<0.0009	mg/L	U	04/12/2012	12:41	0.0009		KMH	
Iron		<0.046	mg/L	U	04/12/2012	12:41	0.046		KMH	
Lead		<0.0017	mg/L	U	04/12/2012	12:41	0.0017		KMH	
Nickel		0.0022	mg/L	I	04/12/2012	12:41	0.0002		KMH	
Selenium		<0.0046	mg/L	U	04/12/2012	12:41	0.0046		KMH	
Silver		<0.0007	mg/L	U	04/12/2012	12:41	0.0007		KMH	
Sodium		<0.016	mg/L	U	04/12/2012	12:41	0.016		KMH	
Vanadium		<0.0005	mg/L	U	04/12/2012	12:41	0.0005		KMH	
Zinc		<0.0029	mg/L	U	04/12/2012	12:41	0.0029		KMH	



Batch Name:	SICPWATER-24178			QA Sample ID:	AE44016				
Samples	AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019								
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
CCV for Metals by 200.7									
Antimony		1.00	mg/L		04/12/2012	12:17	0.0039		KMH
Barium		1.02	mg/L		04/12/2012	12:17	0.0002		KMH
Beryllium		1.03	mg/L		04/12/2012	12:17	0.00004		KMH
Cadmium		1.00	mg/L		04/12/2012	12:17	0.0004		KMH
Chromium		1.01	mg/L		04/12/2012	12:17	0.0007		KMH
Cobalt		1.01	mg/L		04/12/2012	12:17	0.0003		KMH
Copper		1.00	mg/L		04/12/2012	12:17	0.0009		KMH
Iron		12.4	mg/L		04/12/2012	12:17	0.046		KMH
Lead		1.01	mg/L		04/12/2012	12:17	0.0017		KMH
Nickel		0.992	mg/L		04/12/2012	12:17	0.0002		KMH
Selenium		1.07	mg/L		04/12/2012	12:17	0.0046		KMH
Silver		0.493	mg/L		04/12/2012	12:17	0.0007		KMH
Sodium		196	mg/L		04/12/2012	12:17	0.016		KMH
Vanadium		1.02	mg/L		04/12/2012	12:17	0.0005		KMH
Zinc		1.02	mg/L		04/12/2012	12:17	0.0029		KMH
Initial Calibration for Metals by 200.7									
Antimony		0.988	mg/L		04/12/2012	10:08	0.0039		KMH
Barium		1.05	mg/L		04/12/2012	10:08	0.0002		KMH
Beryllium		1.01	mg/L		04/12/2012	10:08	0.00004		KMH
Cadmium		1.02	mg/L		04/12/2012	10:08	0.0004		KMH
Chromium		1.03	mg/L		04/12/2012	10:08	0.0007		KMH
Cobalt		1.04	mg/L		04/12/2012	10:08	0.0003		KMH

Batch Name:		SICPWATER-24178			QA Sample ID:		AE44016			
Samples		AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019								
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.								
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
Initial Calibration for Metals by 200.7										
Copper		1.04	mg/L		04/12/2012	10:08	0.0009		KMH	
Iron		12.6	mg/L		04/12/2012	10:08	0.046		KMH	
Lead		1.05	mg/L		04/12/2012	10:08	0.0017		KMH	
Nickel		1.03	mg/L		04/12/2012	10:08	0.0002		KMH	
Selenium		1.05	mg/L		04/12/2012	10:08	0.0046		KMH	
Silver		0.259	mg/L		04/12/2012	10:08	0.0007		KMH	
Sodium		101	mg/L		04/12/2012	10:08	0.016		KMH	
Vanadium		1.03	mg/L		04/12/2012	10:08	0.0005		KMH	
Zinc		1.05	mg/L		04/12/2012	10:08	0.0029		KMH	
Metals by 200.7										
Antimony		<0.0039	mg/L	U	04/12/2012	11:16	0.0039		KMH	
Barium		0.030	mg/L		04/12/2012	11:16	0.0002		KMH	
Beryllium		0.0003	mg/L	I	04/12/2012	11:16	0.00004		KMH	
Cadmium		<0.0004	mg/L	U	04/12/2012	11:16	0.0004		KMH	
Chromium		0.0028	mg/L	I	04/12/2012	11:16	0.0007		KMH	
Cobalt		0.0003	mg/L	I	04/12/2012	11:16	0.0003		KMH	
Copper		<0.0009	mg/L	U	04/12/2012	11:16	0.0009		KMH	
Iron		4.01	mg/L		04/12/2012	11:16	0.046		KMH	
Lead		<0.0017	mg/L	U	04/12/2012	11:16	0.0017		KMH	
Nickel		0.0035	mg/L	I,J,V	04/12/2012	11:16	0.0002		KMH	
Selenium		<0.0046	mg/L	U	04/12/2012	11:16	0.0046		KMH	
Silver		<0.0007	mg/L	U	04/12/2012	11:16	0.0007		KMH	

Batch Name:	SICPWATER-24178			QA Sample ID:	AE44016				
Samples	AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019								
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
Metals by 200.7									
Sodium	22.2	mg/L		04/12/2012	11:16	0.016		KMH	
Vanadium	0.0045	mg/L	I	04/12/2012	11:16	0.0005		KMH	
Zinc	<0.0029	mg/L	U	04/12/2012	11:16	0.0029		KMH	
LCS for Metals by 200.7									
Antimony	0.499	mg/L		04/12/2012	11:07	0.0039		KMH	
Barium	0.515	mg/L		04/12/2012	11:07	0.0002		KMH	
Beryllium	0.513	mg/L		04/12/2012	11:07	0.00004		KMH	
Cadmium	0.501	mg/L		04/12/2012	11:07	0.0004		KMH	
Chromium	0.514	mg/L		04/12/2012	11:07	0.0007		KMH	
Cobalt	0.511	mg/L		04/12/2012	11:07	0.0003		KMH	
Copper	0.508	mg/L		04/12/2012	11:07	0.0009		KMH	
Iron	10.9	mg/L		04/12/2012	11:07	0.046		KMH	
Lead	0.508	mg/L		04/12/2012	11:07	0.0017		KMH	
Nickel	0.505	mg/L		04/12/2012	11:07	0.0002		KMH	
Selenium	0.522	mg/L		04/12/2012	11:07	0.0046		KMH	
Silver	0.493	mg/L		04/12/2012	11:07	0.0007		KMH	
Sodium	10.8	mg/L		04/12/2012	11:07	0.016		KMH	
Vanadium	0.516	mg/L		04/12/2012	11:07	0.0005		KMH	
Zinc	0.515	mg/L		04/12/2012	11:07	0.0029		KMH	
RB for Metals by 200.7									
Antimony	<0.0039	mg/L	U	04/12/2012	11:03	0.0039		KMH	
Barium	<0.0002	mg/L	U	04/12/2012	11:03	0.0002		KMH	

Batch Name:		SICPWATER-24178			QA Sample ID:		AE44016			
Samples		AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019								
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.								
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
RB for Metals by 200.7										
Beryllium		<0.00004	mg/L	U	04/12/2012	11:03	0.00004		KMH	
Cadmium		<0.0004	mg/L	U	04/12/2012	11:03	0.0004		KMH	
Chromium		<0.0007	mg/L	U	04/12/2012	11:03	0.0007		KMH	
Cobalt		<0.0003	mg/L	U	04/12/2012	11:03	0.0003		KMH	
Copper		<0.0009	mg/L	U	04/12/2012	11:03	0.0009		KMH	
Iron		<0.046	mg/L	U	04/12/2012	11:03	0.046		KMH	
Lead		<0.0017	mg/L	U	04/12/2012	11:03	0.0017		KMH	
Nickel		0.0013	mg/L	I	04/12/2012	11:03	0.0002		KMH	
Selenium		<0.0046	mg/L	U	04/12/2012	11:03	0.0046		KMH	
Silver		<0.0007	mg/L	U	04/12/2012	11:03	0.0007		KMH	
Sodium		<0.016	mg/L	U	04/12/2012	11:03	0.016		KMH	
Vanadium		<0.0005	mg/L	U	04/12/2012	11:03	0.0005		KMH	
Zinc		<0.0029	mg/L	U	04/12/2012	11:03	0.0029		KMH	
MSD Recovery for Metals by 200.7										
Antimony		102	%		04/12/2012	11:16	0.0039		KMH	
Barium		102	%		04/12/2012	11:16	0.0002		KMH	
Beryllium		104	%		04/12/2012	11:16	0.00004		KMH	
Cadmium		102	%		04/12/2012	11:16	0.0004		KMH	
Chromium		102	%		04/12/2012	11:16	0.0007		KMH	
Cobalt		99.7	%		04/12/2012	11:16	0.0003		KMH	
Copper		105	%		04/12/2012	11:16	0.0009		KMH	
Iron		100	%		04/12/2012	11:16	0.046		KMH	

Batch Name:		SICPWATER-24178			QA Sample ID:		AE44016			
Samples		AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019								
Analysis Comments:		Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.								
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
MSD Recovery for Metals by 200.7										
Lead		97.4	%		04/12/2012	11:16	0.0017		KMH	
Nickel		97.1	%		04/12/2012	11:16	0.0002		KMH	
Selenium		107	%		04/12/2012	11:16	0.0046		KMH	
Silver		101	%		04/12/2012	11:16	0.0007		KMH	
Sodium		101	%		04/12/2012	11:16	0.016		KMH	
Vanadium		106	%		04/12/2012	11:16	0.0005		KMH	
Zinc		99.4	%		04/12/2012	11:16	0.0029		KMH	
MSD Result for Metals by 200.7										
Antimony		0.512	mg/L		04/12/2012	11:28	0.0039		KMH	
Barium		0.538	mg/L		04/12/2012	11:28	0.0002		KMH	
Beryllium		0.519	mg/L		04/12/2012	11:28	0.00004		KMH	
Cadmium		0.510	mg/L		04/12/2012	11:28	0.0004		KMH	
Chromium		0.515	mg/L		04/12/2012	11:28	0.0007		KMH	
Cobalt		0.499	mg/L		04/12/2012	11:28	0.0003		KMH	
Copper		0.523	mg/L		04/12/2012	11:28	0.0009		KMH	
Iron		10.8	mg/L		04/12/2012	11:28	0.046		KMH	
Lead		0.487	mg/L		04/12/2012	11:28	0.0017		KMH	
Nickel		0.489	mg/L		04/12/2012	11:28	0.0002		KMH	
Selenium		0.534	mg/L		04/12/2012	11:28	0.0046		KMH	
Silver		0.504	mg/L		04/12/2012	11:28	0.0007		KMH	
Sodium		124	mg/L		04/12/2012	11:28	0.016		KMH	
Vanadium		0.533	mg/L		04/12/2012	11:28	0.0005		KMH	

Batch Name:	SICPWATER-24178			QA Sample ID:	AE44016					
Samples	AE43918 AE43923 AE43924 AE43925 AE43926 AE44015 AE44016 AE44017 AE44018 AE44019									
Analysis Comments:			Nickel: J,V Qualifiers: Analyte detected greater than the MDL in the method blank, reagent blank, initial and continuing blanks. Sample result below 10 times blanks result.							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
MSD Result for Metals by 200.7										
Zinc		0.497	mg/L		04/12/2012	11:28	0.0029		KMH	
Batch Name:	ASAA-24150			QA Sample ID:	AE43920					
Samples	AE43918 AE43919 AE43920 AE44015 AE44016 AE44017 AE44019 AE44020									
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
Arsenic by GFAAS		0.015	mg/L		04/17/2012	10:58	0.00034		IR	
Method Blank for Arsenic by GFAAS		<0.00034	mg/L	U	04/17/2012	10:27	0.00034		IR	
CCB for Arsenic by GFAAS		<0.00034	mg/L	U	04/17/2012	15:18	0.00034		IR	
CCV for Arsenic by GFAAS		0.052	mg/L		04/17/2012	12:46	0.00034		IR	
CCV Rec for Arsenic by GFAAS		104	%		04/17/2012	12:46			IR	
ICV for Arsenic by GFAAS		0.051	mg/L		04/17/2012	10:37	0.00034		IR	
ICV Rec for Arsenic by GFAAS		102	%		04/17/2012	10:37			IR	
LCS for Arsenic by GFAAS		0.050	mg/L		04/17/2012	10:48	0.00034		IR	
LCS Rec for Arsenic by GFAAS		100	%		04/17/2012	10:48			IR	
MS Rec for Arsenic by GFAAS		100	%		04/17/2012	10:58			IR	
Reagent Blank for Arsenic by GFAAS		<0.00034	mg/L	U	04/17/2012	10:16	0.00034		IR	
MSD Rec for Arsenic by GFAAS		100	%		04/17/2012	10:58			IR	
MS Result for Arsenic by GFAAS		0.065	mg/L		04/17/2012	11:09	0.00034		IR	
MSD Result for Arsenic by GFAAS		0.065	mg/L		04/17/2012	11:19	0.00034		IR	
MS/MSD Prec for Arsenic by GFAAS		0.00	%		04/17/2012	11:09			IR	
Batch Name:	TDS-24092			QA Sample ID:	AE43919					
Samples	AE43918 AE43919 AE43920 AE43923 AE43924 AE43925 AE43926 AE43929 AE44015 AE44016 AE44017 AE44018 AE44019 AE									

Batch Name:	TDS-24092			QA Sample ID:	AE43919									
Samples	AE43918	AE43919	AE43920	AE43923	AE43924	AE43925	AE43926	AE43929	AE44015	AE44016	AE44017	AE44018	AE44019	AE44020
Parameter	Results		Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst					
Method Blank for TDS	<10.0		mg/L	U	03/26/2012 15:31		10.0		KEB/AC					
Sample Dup for TDS	459		mg/L		03/26/2012 15:31		10.0		KEB/AC					
Initial Calibration for TDS	964		mg/L		03/26/2012 15:31		10.0		KEB/AC					
Int Calb Conc for TDS	1001		mg/L		03/26/2012 15:31		10.0		KEB/AC					
Int Calb Rec for TDS	96.3		%		03/26/2012 15:31				KEB/AC					
Samp Dup Precision for TDS	Pass		%		03/26/2012 15:38				KEB/AC					
Total Dissolved Solids	453		mg/L		03/26/2012 15:31		10.0		KEB/AC					
Batch Name:	AMM-24085			QA Sample ID:	AE44139									
Samples	AE43918	AE43919	AE43920	AE43924	AE44016									
Parameter	Results		Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst					
Ammonia	33.7		mg/L		03/23/2012 13:18		0.018		AC					
Sample Dup for Ammonia	31.9		mg/L		03/23/2012 13:18		0.018		AC					
Dup Precision for Ammonia	5.49		%		03/23/2012 13:18				AC					
Amt Spiked for Ammonia	50.0		mg/L		03/23/2012 13:18		0.018		AC					
MS Result for Ammonia	80.5		mg/L		03/23/2012 13:18		0.018		AC					
MS Recovery for Ammonia	93.6		%		03/23/2012 13:18				AC					
Cont Calb Rec for Ammonia	97.5		%		03/23/2012 13:18				AC					
Continuing Cal. Blank for Ammonia	0.023		mg/L	I	03/23/2012 13:18		0.018		AC					
Continuous Calibration for Ammonia	0.975		mg/L		03/23/2012 13:18		0.018		AC					
Batch Name:	HG-24082			QA Sample ID:	AE43918									
Samples	AE43918	AE43919	AE43920	AE43925	AE43926	AE43929	AE44015							
Parameter	Results		Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst					

**Batch Name:** HG-24082 **QA Sample ID:** AE43918

**Samples** AE43918 AE43919 AE43920 AE43925 AE43926 AE43929 AE44015

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Mercury Cold Vapor	2.00	ug/L		03/23/2012	11:17	0.068		IR
CCB for Mercury Cold Vapor	<0.068	ug/L	U	03/23/2012	11:41	0.068		IR
Continuous Calibration for Mercury Cold	2.66	ug/L		03/23/2012	11:38	0.068		IR
CCV Rec for Mercury	106	%		03/23/2012	11:38			IR
Mercury Cold Vapor	<0.068	ug/L	U	03/23/2012	11:15	0.068		IR
MS Recovery for Mercury Cold Vapor	112	%		03/23/2012	11:15			IR
MSD Recovery for Mercury Cold Vapor	110	%		03/23/2012	11:15			IR
MS Result for Mercury Cold Vapor	2.23	ug/L		03/23/2012	11:17	0.068		IR
MSD Result for Mercury Cold Vapor	2.20	ug/L		03/23/2012	11:20	0.068		IR
MS/MSD Precision for Mercury Cold Vapor	1.35	%		03/23/2012	11:17			IR

**Batch Name:** NO3IC-24076 **QA Sample ID:** AE43918

**Samples** AE43918 AE43919 AE43920 AE43923 AE43924 AE43925 AE43926 AE43929 AE44020

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Nitrate	5.00	mg/L		03/22/2012	09:19	0.0046		IREED
CCB for Nitrate	<0.0046	mg/L	U	03/22/2012	10:35	0.0046		IREED
CCV for Nitrate	9.91	mg/L		03/22/2012	09:44	0.0046		IREED
Cont Calb Rec for Nitrate	99.1	%		03/22/2012	09:44			IREED
Sample Dup for Nitrate	0.010	mg/L	I	03/21/2012	21:25	0.0046		IREED
Nitrate as N by Ion Chromatography	0.006	mg/L	I	03/22/2012	08:53	0.0046		IREED
Samp Dup Prec. for Nitrate	NO RESULT	%		03/22/2012	08:53			IREED
MS Recovery for Nitrate	103	%		03/22/2012	08:53			IREED
MS Result for Nitrate	5.14	mg/L		03/22/2012	09:19	0.0046		IREED



Batch Name:	TDS-24071			QA Sample ID:	AE43934				
Samples	AE43918 AE43919 AE43920 AE43923 AE43924 AE44015 AE44016 AE44017 AE44018 AE44019								
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
Total Dissolved Solids	2200	mg/L		03/26/2012	15:31	10.0		KEB/AC	
Batch Name:	TLAA-24153			QA Sample ID:	AE43920				
Samples	AE43919 AE43920 AE44015 AE44016 AE44017 AE44018 AE44019 AE44020								
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
Method Blank for Thallium by GFAAS	<0.0003	mg/L	U	04/17/2012	17:32	0.0003		IR	
CCB for Thallium by GFAAS	<0.0003	mg/L	U	04/17/2012	20:04	0.0003		IR	
Continuous Calibration for Thallium by G	0.051	mg/L		04/17/2012	19:44	0.0003		IR	
Cont Calb Rec for Thallium by GFAAS	102	%		04/17/2012	19:44			IR	
Initial Calibration for Thallium by GFAA	0.053	mg/L		04/17/2012	17:42	0.0003		IR	
Int Calb Rec for Thallium by GFAAS	106	%		04/17/2012	17:42			IR	
Lab Control for Thallium by GFAAS	0.051	mg/L		04/17/2012	17:52	0.0003		IR	
LCS Recovery for Thallium by GFAAS	102	%		04/18/2012	07:23			IR	
MS Rec for Thallium by GFAAS	101	%		04/17/2012	18:02			IR	
Reagent Blank for Thallium by GFAAS	<0.0003	mg/L	U	04/17/2012	17:22	0.0003		IR	
MSD Rec for Thallium by GFAAS	99.4	%		04/17/2012	18:02			IR	
MS Result for Thallium by GFAAS	0.051	mg/L		04/17/2012	18:12	0.0003		IR	
MSD Result for Thallium by GFAAS	0.050	mg/L		04/17/2012	18:22	0.0003		IR	
MS/MSD Precision for Thallium by GFAAS	1.98	%		04/17/2012	18:12			IR	
Thallium by GFAAS	0.0003	mg/L	I	04/17/2012	18:02	0.0003		IR	
Batch Name:	HG-24154			QA Sample ID:	AE43270				
Samples	AE43921								
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	

Batch Name: HG-24154		QA Sample ID: AE43270						
Samples AE43921								
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Mercury Cold Vapor	2.00	ug/L		03/30/2012	10:23	0.068		IR
Method Blank for Mercury Cold Vapor	<0.068	ug/L	U	03/30/2012	10:10	0.068		IR
CCB for Mercury Cold Vapor	<0.068	ug/L	U	03/30/2012	10:50	0.068		IR
Continuous Calibration for Mercury Cold	2.55	ug/L		03/30/2012	10:47	0.068		IR
CCV Rec for Mercury	102	%		03/30/2012	10:47			IR
Mercury Cold Vapor	<0.068	ug/L	U	03/30/2012	10:21	0.068		IR
Initial Calibration for Mercury Cold Vap	2.49	ug/L		03/30/2012	10:13	0.068		IR
ICV Rec for Mercury	99.6	%		03/30/2012	10:13			IR
Lab Control for Mercury Cold Vapor	2.10	ug/L		03/30/2012	10:18	0.068		IR
LCS Rec for Mercury	105	%		03/30/2012	10:18			IR
MS Recovery for Mercury Cold Vapor	102	%		03/30/2012	10:21			IR
Reagent Blank for Mercury Cold Vapor	<0.068	ug/L	U	03/30/2012	10:08	0.068		IR
MSD Recovery for Mercury Cold Vapor	103	%		03/30/2012	10:21			IR
MS Result for Mercury Cold Vapor	2.03	ug/L		03/30/2012	10:23	0.068		IR
MSD Result for Mercury Cold Vapor	2.06	ug/L		03/30/2012	10:26	0.068		IR
MS/MSD Precision for Mercury Cold Vapor	1.47	%		03/30/2012	10:23			IR
ICV Rec for Hg	101	%		03/30/2012	11:49			IR
ICV for HG	2.52	ug/L		03/30/2012	10:15	0.068		IR
Batch Name: TLAA-24151		QA Sample ID: AE43272						
Samples AE43921 AE43922 AE43923								
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
CCB for Thallium by GFAAS	<0.0003	mg/L	U	04/06/2012	23:09	0.0003		IR

Batch Name: TLAA-24151 QA Sample ID: AE43272

Samples AE43921 AE43922 AE43923

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Continuous Calibration for Thallium by G	0.052	mg/L		04/06/2012	22:49	0.0003		IR
Cont Calb Rec for Thallium by GFAAS	104	%		04/06/2012	22:49			IR
Lab Control for Thallium by GFAAS	0.053	mg/L		04/06/2012	18:48	0.0003		IR
LCS Recovery for Thallium by GFAAS	106	%		04/09/2012	08:49			IR
MS Rec for Thallium by GFAAS	98.0	%		04/06/2012	18:58			IR
Reagent Blank for Thallium by GFAAS	<0.0003	mg/L	U	04/06/2012	18:38	0.0003		IR
MSD Rec for Thallium by GFAAS	100.000	%		04/06/2012	18:58			IR
MS Result for Thallium by GFAAS	0.049	mg/L		04/06/2012	19:08	0.0003		IR
MSD Result for Thallium by GFAAS	0.050	mg/L		04/06/2012	19:18	0.0003		IR
MS/MSD Precision for Thallium by GFAAS	2.02	%		04/06/2012	19:08			IR
Thallium by GFAAS	<0.0003	mg/L	U	04/06/2012	18:58	0.0003		IR

Batch Name: ASAA-24148 QA Sample ID: AE43272

Samples AE43921 AE43922 AE43923

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Arsenic by GFAAS	0.019	mg/L		04/16/2012	14:55	0.00034		IR
Method Blank for Arsenic by GFAAS	<0.00034	mg/L	U	04/16/2012	14:23	0.00034		IR
CCB for Arsenic by GFAAS	<0.00034	mg/L	U	04/16/2012	19:24	0.00034		IR
CCV for Arsenic by GFAAS	0.053	mg/L		04/16/2012	19:02	0.00034		IR
CCV Rec for Arsenic by GFAAS	106	%		04/16/2012	19:02			IR
ICV for Arsenic by GFAAS	0.051	mg/L		04/16/2012	14:33	0.00034		IR
ICV Rec for Arsenic by GFAAS	102	%		04/16/2012	14:33			IR
LCS for Arsenic by GFAAS	0.052	mg/L		04/16/2012	14:44	0.00034		IR

**Batch Name:** ASAA-24148 **QA Sample ID:** AE43272

**Samples** AE43921 AE43922 AE43923

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
LCS Rec for Arsenic by GFAAS	104	%		04/16/2012	14:44			IR
MS Rec for Arsenic by GFAAS	110	%		04/16/2012	14:55			IR
Reagent Blank for Arsenic by GFAAS	<0.00034	mg/L	U	04/16/2012	14:12	0.00034		IR
MSD Rec for Arsenic by GFAAS	108	%		04/16/2012	14:55			IR
MS Result for Arsenic by GFAAS	0.074	mg/L		04/17/2012	07:50	0.00034		IR
MSD Result for Arsenic by GFAAS	0.073	mg/L		04/17/2012	07:50	0.00034		IR
MS/MSD Prec for Arsenic by GFAAS	1.36	%		04/17/2012	07:50			IR

**Batch Name:** CLIC-24180 **QA Sample ID:** AE44124

**Samples** AE43923 AE44015 AE44016 AE44017 AE44018 AE44019

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Chloride	100	mg/L		04/04/2012	09:17	0.100		KMH
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont. Blank for Chloride	<0.100	mg/L	U	04/04/2012	09:17	0.100		KMH
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont. Cal. for Chloride	202	mg/L		04/04/2012	09:17	0.100		KMH
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Cont Calb Rec for Chloride	101	%		04/04/2012	09:17			KMH
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Chloride by Ion Chromatography	87.9	mg/L		04/04/2012	09:17	0.100		KMH
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Sample Dup for Chloride	91.2	mg/L		04/04/2012	09:17	0.100		KMH
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
Samp Dup Prec for Chloride	3.68	%		04/04/2012	09:17			KMH
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
MS Recovery for Chloride	93.1	%		04/04/2012	09:17			KMH
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							
MS Result for Chloride	181	mg/L		04/04/2012	09:17	0.100		KMH
Analysis Comments:	O Qualifier: analysis not performed due sample container preserved with H2SO4.							

**Batch Name:** AMM-24086 **QA Sample ID:** AE44142

**Samples** AE43923 AE43925 AE43929 AE44015 AE44017 AE44018 AE44020

**Batch Name:** AMM-24086 **QA Sample ID:** AE44142

**Samples** AE43923 AE43925 AE43929 AE44015 AE44017 AE44018 AE44020

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Ammonia	50.4	mg/L		03/23/2012	13:18	0.018		AC
Sample Dup for Ammonia	50.1	mg/L		03/23/2012	13:18	0.018		AC
Dup Precision for Ammonia	0.597	%		03/23/2012	13:18			AC
Amt Spiked for Ammonia	100	mg/L		03/23/2012	13:18	0.018		AC
MS Result for Ammonia	150	mg/L		03/23/2012	13:18	0.018		AC
MS Recovery for Ammonia	99.6	%		03/23/2012	13:18			AC
Cont Calb Rec for Ammonia	102	%		03/23/2012	13:18			AC
Continuing Cal. Blank for Ammonia	0.019	mg/L	I	03/23/2012	13:18	0.018		AC
Continuous Calibration for Ammonia	1.02	mg/L		03/23/2012	13:18	0.018		AC

**Batch Name:** HG-24010 **QA Sample ID:** AE43846

**Samples** AE43923 AE43924

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Mercury Cold Vapor	2.00	ug/L		03/23/2012	10:07	0.068		IR
Method Blank for Mercury Cold Vapor	<0.068	ug/L	U	03/23/2012	09:54	0.068		IR
CCB for Mercury Cold Vapor	<0.068	ug/L	U	03/23/2012	11:07	0.068		IR
Continuous Calibration for Mercury Cold	2.53	ug/L		03/23/2012	11:04	0.068		IR
CCV Rec for Mercury	101	%		03/23/2012	11:04			IR
Mercury Cold Vapor	<0.068	ug/L	U	03/23/2012	10:04	0.068		IR
Initial Calibration for Mercury Cold Vap	2.52	ug/L		03/23/2012	09:57	0.068		IR
ICV Rec for Mercury	101	%		03/23/2012	09:57			IR
Lab Control for Mercury Cold Vapor	2.13	ug/L		03/23/2012	10:02	0.068		IR
LCS Rec for Mercury	106	%		03/23/2012	10:02			IR

Batch Name:		HG-24010		QA Sample ID:		AE43846			
Samples		AE43923 AE43924							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
MS Recovery for Mercury Cold Vapor		103	%		03/23/2012	10:04			IR
Reagent Blank for Mercury Cold Vapor		<0.068	ug/L	U	03/23/2012	09:51	0.068		IR
MSD Recovery for Mercury Cold Vapor		104	%		03/23/2012	10:04			IR
MS Result for Mercury Cold Vapor		2.06	ug/L		03/23/2012	10:07	0.068		IR
MSD Result for Mercury Cold Vapor		2.09	ug/L		03/23/2012	10:09	0.068		IR
MS/MSD Precision for Mercury Cold Vapor		1.44	%		03/23/2012	10:07			IR
ICV Rec for Hg		103	%		03/26/2012	08:16			IR
ICV for HG		2.58	ug/L		03/23/2012	09:59	0.068		IR
Batch Name:		AMM-24087		QA Sample ID:		AE44187			
Samples		AE43926							
Parameter		Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Ammonia		23.5	mg/L		03/23/2012	13:18	0.018		AC
Sample Dup for Ammonia		23.7	mg/L		03/23/2012	13:18	0.018		AC
Dup Precision for Ammonia		0.847	%		03/23/2012	13:18			AC
Amt Spiked for Ammonia		25.0	mg/L		03/23/2012	13:18	0.018		AC
MS Result for Ammonia		48.0	mg/L		03/23/2012	13:18	0.018		AC
MS Recovery for Ammonia		98.0	%		03/23/2012	13:18			AC
Cont Calb Rec for Ammonia		104	%		03/23/2012	13:18			AC
Continuing Cal. Blank for Ammonia		<0.018	mg/L	U	03/23/2012	13:18	0.018		AC
Continuous Calibration for Ammonia		1.04	mg/L		03/23/2012	13:18	0.018		AC
Batch Name:		NO3IC-24074		QA Sample ID:		AE44015			
Samples		AE44015 AE44016 AE44017 AE44018 AE44019							

**Batch Name:** NO3IC-24074 **QA Sample ID:** AE44015

**Samples** AE44015 AE44016 AE44017 AE44018 AE44019

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Nitrate	5.00	mg/L		03/21/2012	04:51	0.0046		IREED
CCB for Nitrate	<0.0046	mg/L	U	03/21/2012	09:57	0.0046		IREED
CCV for Nitrate	10.0	mg/L		03/21/2012	09:06	0.0046		IREED
Cont Calb Rec for Nitrate	100	%		03/21/2012	09:06			IREED
Sample Dup for Nitrate	0.012	mg/L	I	03/21/2012	04:25	0.0046		IREED
Nitrate as N by Ion Chromatography	0.013	mg/L	I	03/21/2012	04:00	0.0046		IREED
Samp Dup Prec. for Nitrate	8.00	%		03/21/2012	04:00			IREED
MS Recovery for Nitrate	110	%		03/21/2012	04:00			IREED
MS Result for Nitrate	5.52	mg/L		03/21/2012	04:51	0.0046		IREED

**Batch Name:** HG-24083 **QA Sample ID:** AE44016

**Samples** AE44016 AE44017 AE44018 AE44019 AE44020

Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Amt Spiked for Mercury Cold Vapor	2.00	ug/L		03/23/2012	11:51	0.068		IR
CCB for Mercury Cold Vapor	<0.068	ug/L	U	03/23/2012	12:09	0.068		IR
Continuous Calibration for Mercury Cold	2.67	ug/L		03/23/2012	12:07	0.068		IR
CCV Rec for Mercury	107	%		03/23/2012	12:07			IR
Mercury Cold Vapor	<0.068	ug/L	U	03/23/2012	11:48	0.068		IR
Lab Control for Mercury Cold Vapor	1.98	ug/L		03/23/2012	11:46	0.068		IR
LCS Rec for Mercury	99.0	%		03/23/2012	11:46			IR
MS Recovery for Mercury Cold Vapor	104	%		03/23/2012	11:48			IR
Reagent Blank for Mercury Cold Vapor	<0.068	ug/L	U	03/23/2012	11:43	0.068		IR
MSD Recovery for Mercury Cold Vapor	102	%		03/23/2012	11:48			IR

Batch Name:	HG-24083				QA Sample ID:	AE44016			
Samples	AE44016 AE44017 AE44018 AE44019 AE44020								
Parameter	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst	
MS Result for Mercury Cold Vapor	2.07	ug/L		03/23/2012	11:51	0.068		IR	
MSD Result for Mercury Cold Vapor	2.05	ug/L		03/23/2012	11:54	0.068		IR	
MS/MSD Precision for Mercury Cold Vapor	0.971	%		03/23/2012	11:51			IR	



## DATA QUALIFIER CODES

A	Value reported is the mean (average) of two or more determinations
B	Results based upon colony counts outside the acceptable range. This code applies to microbiological tests, specifically to membrane filter colony counts, and is used only if the colony count is generated from a plate in which the total number of coliform colonies <u>exceeds</u> the method indicated ideal ranges.
C	Analysis performed by contract laboratory
E	Indicates that extra samples were taken at composite stations
H	Value based on field kit determination; results may not be accurate
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J	*Estimated value
K	Indicates off scale low and the actual value is known to be less than the value listed. Used if the value is less than the lowest calibration standard when the calibration curve is known to be non-linear. Can also be used if the actual value is known to be less than the reported value based on sample size,dilution.
L	Off scale high and the actual value is known to be greater than the reported value. Used when the sample concentration of the analyte exceeds the linear range or highest calibration standard and the calibration curve is known to exhibit a negative deflection.
M	To be used for chemical analysis: the presence of the analyte is verified but not quantified and the actual value is less than the value reported.
N	Presumptive evidence of presence of compound. To be used when the compound has been determined by TIC (mass spectral library search) or if presence of the compound cannot be confirmed using alternate procedures
O	Indicates analysis was lost or not performed
Q	Analyzed after holding time expired
R	Significant rain in the past 24 hours
T	Reported value is less than the laboratory method detection limit. The value is reported for informational purposes only and is not used in statistical analysis.
U	Indicated that the compound was analyzed for but not detected
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of the 10 times the blank value was equal to or greater than the associated sample value. Note: unless specified by the method, the value in the blank shall not be subtracted from associated samples
X	Time of collection not provided
Y	Laboratory analysis was performed on sample, which was unpreserved or improperly preserved, therefore, the data may be inaccurate.
Z	Too many colonies present. (TNTC)
*	Analysis was not performed due to interference
#	No sample received
?	Data are rejected and should not be used since some or all quality control data fall outside limits and the presence or absence of the analyte cannot be determined from the data
"-"	no data reported
!	Data deviate from historically established concentration ranges

### **\*Note**

a "J" value shall not be used as a substitute for K,L,M,T,V or Y, however, if additional reasons exist for identifying

the value as an estimate (e.g.,matrix spiked failed to meet acceptance criteria),the "J" code may be added to a K,L,M, T,V,or Y. Examples of situations in which code "J" must be reported include:

- + where a quality control item associated with the reported value(s) failed to meet the established quality control criteria (the specific failure must be identified)
- + when the sample matrix interferes with the ability to make any accurate determination
- + when data is questionable due to improper or field protocols
- + when the analyte was detected at or above the method detection limits (MDL) in a blank other than the method blank (such as calibration blank or field-generated blanks and the value of 10 times the blank value was equal to or greater than the associated sample
- + when the field or laboratory calibrations or calibration verifications did not meet calibration acceptance criteria.

# CHAIN OF CUSTODY RECORD

Sampler Signature: 

Print Name: Peter Mitchell

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3/13/2012 8:01:47 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin



Total Number of Containers:

11

Temperature:

20

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3.23.12	0841	AE43928	GW	Lena Road Monitoring Well Field Blank	40 ml glass; Grab	<u>3</u>	<u>3</u>	\$25818011-CONTRACT
3.23.12	0841	AE43928	GW	Lena Road Monitoring Well Field Blank	40 ml glass w/HCl; Grab	<u>3</u>	<u>3</u>	\$2581VOCS-CONTRACT
3.23.12	0841	AE43928	GW	Lena Road Monitoring Well Field Blank	HDPE w/H2SO4 pres.; Grab/Comp.	<u>1</u>	<u>&lt;2</u>	AMM
3.23.12	0841	AE43928	GW	Lena Road Monitoring Well Field Blank	HDPE unpreserved; Grab/Comp.	<u>1</u>		TDS
3.23.12	0841	AE43928	GW	Lena Road Monitoring Well Field Blank	HDPE unpres.; Grab/Comp.	<u>1</u>		NO3IC
3.23.12	0841	AE43928	GW	Lena Road Monitoring Well Field Blank	HDPE w/HNO3; Grab/Comp.	<u>1</u>	<u>&lt;2</u>	\$ICPWATER ASAA TLAA
3.23.12	0841	AE43928	GW	Lena Road Monitoring Well Field Blank	HDPE w/HNO3; Grab/Comp.	<u>1</u>	<u>&lt;2</u>	HG

Signature	Print Name	Company	Date	Time
Relinquished By: 	<u>Peter Mitchell</u>	<u>I.C.</u>	<u>3.23.12</u>	<u>1313</u>
Received By: 	<u>E. Mayer</u>	<u>MCUO Central Lab</u>	<u>3-23-12</u>	<u>1313</u>
Relinquished By:				
Received By:				

Comments: 2012-03-07-030

# CHAIN OF CUSTODY RECORD

Sampler Signature: [Signature]

Print Name: Peter Mitchell

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3/13/2012 8:01:47 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

20

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3/23/12	0841	AE43928	GW	Lena Road Monitoring Well Field Blank	HDPE unpres.; Grab/Comp.	1		CLIC

Signature	Print Name	Company	Date	Time
Relinquished By: <u>[Signature]</u>	<u>Peter Mitchell</u>	<u>I.C.</u>	<u>3-23-12</u>	<u>1313</u>
Received By: <u>[Signature]</u>	<u>E. Mayernick</u>	<u>MCUO Central Lab</u>	<u>3-23-12</u>	<u>1313</u>
Relinquished By:				
Received By:				

Comments: 2012-03-07-030

# CHAIN OF CUSTODY RECORD

Sampler Signature: David E Wells

Print Name: DAVID E Wells

Page 1 of 2  
3/27/2012 10:41:27 AM

Manatee County Utilities Central Laboratory 4751 66th Street West Bradenton, FL 34210	Phone: 941-792-8811, Ext. 5285 Fax: 941-795-3477 Contact: Jeff Goodwin	Total Number of Containers: <u>11</u>	Temperature: <u>15</u>
--	--	--	---------------------------

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Chec	Analysis
3-28-12	1047	AE43915	GW	Lena Road Monitoring Well BGW-1	40 ml glass; Grab	3		\$25818011-CONTRACT
3-28-12	1047	AE43915	GW	Lena Road Monitoring Well BGW-1	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-28-12	1047	AE43915	GW	Lena Road Monitoring Well BGW-1	250 mL HDPE w/H2SO4 pres.; Grab/Comp.	1	<2	AMM
3-28-12	1047	AE43915	GW	Lena Road Monitoring Well BGW-1	500 mL HDPE unpreserved; Grab/Comp.	1		TDS
3-28-12	1047	AE43915	GW	Lena Road Monitoring Well BGW-1	250 mL HDPE unpres.; Grab/Comp.	1		NO3IC
3-28-12	1047	AE43915	GW	Lena Road Monitoring Well BGW-1	500 mL HDPE w/HNO3; Grab/Comp.	1	<2	\$ICPWATER ASAA TLAA
3-28-12	1047	AE43915	GW	Lena Road Monitoring Well BGW-1	500 mL HDPE w/HNO3; Grab/Comp.	1	<2	HG

Signature	Print Name	Company	Date	Time
Relinquished By: <u>David E Wells</u>	<u>DAVID E Wells</u>	<u>MCUD</u>	<u>3-28-12</u>	<u>1140</u>
Received By: <u>E. Mayernick</u>	<u>E. Mayernick</u>	<u>MCUD Central Lab</u>	<u>3-28-12</u>	<u>1144</u>
Relinquished By:				
Received By:				

Comments: 2012-03-07-017



# CHAIN OF CUSTODY RECORD

Sampler Signature: David E Wells

Print Name: DAVID E Wells

Page 2 of 2  
3/27/2012 10:41:27 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

1.5

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Chec	Analysis
3/28/12	1047	AE43915	GW	Lena Road Monitoring Well BGW-1	250 mL HDPE unpres.; Grab/Comp.	1		CLIC

Signature	Print Name	Company	Date	Time
Relinquished By: <u>David E Wells</u>	<u>DAVID E Wells</u>	<u>MCUD</u>	<u>3-28-12</u>	<u>1148</u>
Received By: <u>E. Mayernick</u>	<u>E. Mayernick</u>	<u>MCUD Central Lab</u>	<u>3-28-12</u>	<u>1144</u>
Relinquished By:				
Received By:				

Comments: 2012-03-07-017

**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>Lena Road Landfill</b>		SITE LOCATION: <b>Lena Rd</b>	
WELL NO: <b>BGW-1</b>	SAMPLE ID: <b>AE 43915</b>	DATE: <b>3-28-12</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2"</b>	TUBING DIAMETER (inches): <b>1/2"</b>	WELL SCREEN INTERVAL DEPTH: <b>34.75</b> feet to <b>19.28</b> feet	STATIC DEPTH TO WATER (feet): <b>13.70</b>	PURGE PUMP TYPE OR BAILER: <b>PP 52346</b>
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**WELL VOLUME PURGE:** 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

**20.30** **13.7** = ( **6.6** feet - **1.16** feet ) X **1.056** gallons/foot = **4.41** gallons

**1.279 GAL**  
**+ 223**

**EQUIPMENT VOLUME PURGE:** 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)

Time to purge one (1) gallon = **3 1/2** minutes

**35** gallons + ( **0.0091** gallons/foot X **10091** feet ) + **1.132** GAL = **3.19** gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>	PURGING INITIATED AT: <b>1031</b>	PURGING ENDED AT: <b>1042</b>	TOTAL VOLUME PURGED (gallons): <b>1047</b>
--	--	-----------------------------------	-------------------------------	--

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1036</b>	<b>1.45</b>	<b>1.45</b>	<b>.29</b>	<b>13.9</b>	<b>6.82</b>	<b>22.9</b>	<b>662</b>	<b>8.35</b>	<b>205</b>	<b>Clear</b>	<b>None</b>
<b>1039</b>	<b>.87</b>	<b>2.32</b>	<b>.29</b>	<b>14.0</b>	<b>6.72</b>	<b>22.9</b>	<b>687</b>	<b>8.18</b>	<b>1.76</b>	<b>Clear</b>	<b>None</b>
<b>1042</b>	<b>.87</b>	<b>3.19</b>	<b>.29</b>	<b>14.0</b>	<b>6.63</b>	<b>22.9</b>	<b>620</b>	<b>7.93</b>	<b>207</b>	<b>Clear</b>	<b>None</b>
		<b>DEW</b>									
		<b>3-28-12</b>									

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Dwells</b>		SAMPLER(S) SIGNATURE(S): <b>David E. Wells</b>		SAMPLING INITIATED AT: <b>1042</b>	SAMPLING ENDED AT: <b>1047</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>		TUBING MATERIAL CODE: <b>TYGON</b>	FIELD-FILTERED: <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>	FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP <input checked="" type="radio"/> <b>Y</b> <input type="radio"/> <b>N</b> TUBING <input checked="" type="radio"/> <b>Y</b> <input type="radio"/> <b>N</b> (replaced)			DUPLICATE: <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>		
REMARKS: Reference chain of custody for sample container and preservation information.					

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
**pH:** ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

*[Signature]*  
3/28/12



# CHAIN OF CUSTODY RECORD

Sampler Signature: 

Print Name: Peter Mitchell

Page 1 of 2

3/13/2012 8:00:03 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

11 <sup>Pim</sup>  
3-19-12

Temperature:

3

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-19-12	0918	AE44015	GW	Lena Road Monitoring Well GW-1	40 ml glass; Grab	3		\$25818011-CONTRACT
3-19-12	0918	AE44015	GW	Lena Road Monitoring Well GW-1	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-19-12	0918	AE44015	GW	Lena Road Monitoring Well GW-1	HDPE w/H2SO4 pres.; Grab/Comp.	1	<2	AMM ✓
3-19-12	0918	AE44015	GW	Lena Road Monitoring Well GW-1	HDPE unpreserved; Grab/Comp.	1	<2	TDS ✓
3-19-12	0918	AE44015	GW	Lena Road Monitoring Well GW-1	HDPE unpres.; Grab/Comp.	1	1	NO3IC ✓
3-19-12	0918	AE44015	GW	Lena Road Monitoring Well GW-1	HDPE w/HNO3; Grab/Comp.	1	<2	\$ICPWATER ASAA TLAA ✓
3-19-12	0918	AE44015	GW	Lena Road Monitoring Well GW-1	HDPE w/HNO3; Grab/Comp.	1	<2	HG ✓



Signature

Print Name

Company

Date

Time

Relinquished By: 	Peter Mitchell	I.C.	3-19-12	1400
Received By: 	E. Mayernick	NC UD Central Lab	3-19-12	1400
Relinquished By:				
Received By:				

Comments: 2012-03-12-004

# CHAIN OF CUSTODY RECORD

Sampler Signature: 

Print Name: Peter Mitchell

Page 2 of 2

3/13/2012 8:00:03 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

3

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-19-12	1 0918	AE44015	GW	Lena Road Monitoring Well GW-1	HDPE unpres.; Grab/Comp.	1		CLIC



Signature

Print Name

Company

Date

Time

Relinquished By: 	Peter Mitchell	I.C.	3-19-12	1400
Received By: 	E. Mayernick	MCUP Central Lab	3-19-12	1400
Relinquished By:				
Received By:				

Comments: 2012-03-12-004



**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>Lena Road Landfill</b>		SITE LOCATION: <b>Lena Rd</b>	
WELL NO: <b>BGW-1</b>	SAMPLE ID: <b>AE 43915</b>	DATE: <b>3-28-12</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2"</b>	TUBING DIAMETER (inches): <b>1/2"</b>	WELL SCREEN INTERVAL DEPTH: <b>34.75</b> feet to <b>19.28</b> feet	STATIC DEPTH TO WATER (feet): <b>13.70</b>	PURGE PUMP TYPE OR BAILER: <b>PP 52346</b>
-----------------------------------	---------------------------------------	--	--	--

**WELL VOLUME PURGE:** 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

**20.30** **13.7** = ( **6.6** feet - **1.16** feet ) X **1.056** gallons/foot = **4.41** gallons

**1.279 GAL**  
**4.41**

**EQUIPMENT VOLUME PURGE:** 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)

Time to purge one (1) gallon = **3 1/2** minutes = **35** <sup>ft</sup>/<sub>min</sub> gallons + ( **0.0091** gallons/foot X **10091** feet ) + **1.132** GAL = **3.19** gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>	PURGING INITIATED AT: <b>1031</b>	PURGING ENDED AT: <b>1042</b>	TOTAL VOLUME PURGED (gallons): <b>1047</b>
--	--	-----------------------------------	-------------------------------	--

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1036</b>	<b>1.45</b>	<b>1.45</b>	<b>.29</b>	<b>13.9</b>	<b>6.82</b>	<b>22.9</b>	<b>662</b>	<b>8.35</b>	<b>205</b>	<b>Clear</b>	<b>None</b>
<b>1039</b>	<b>.87</b>	<b>2.32</b>	<b>.29</b>	<b>14.0</b>	<b>6.72</b>	<b>22.9</b>	<b>687</b>	<b>8.18</b>	<b>1.76</b>	<b>Clear</b>	<b>None</b>
<b>1042</b>	<b>.87</b>	<b>3.19</b>	<b>.29</b>	<b>14.0</b>	<b>6.63</b>	<b>22.9</b>	<b>620</b>	<b>7.93</b>	<b>207</b>	<b>Clear</b>	<b>None</b>
		<b>DEW</b>									
		<b>3-28-12</b>									

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Dwells</b>		SAMPLER(S) SIGNATURE(S): <b>David E. Wells</b>		SAMPLING INITIATED AT: <b>1042</b>	SAMPLING ENDED AT: <b>1047</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>		TUBING MATERIAL CODE: <b>TYGON</b>	FIELD-FILTERED: <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>	FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP <input checked="" type="radio"/> <b>Y</b> <input type="radio"/> <b>N</b> TUBING <input checked="" type="radio"/> <b>Y</b> <input type="radio"/> <b>N</b> (replaced)			DUPLICATE: <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>		
REMARKS: Reference chain of custody for sample container and preservation information.					

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
**pH:** ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

*Dwells*  
3/28/12

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Lena Road Landfill		SITE LOCATION:		27.47355 N 82.44125 W
WELL NO: 6W-1	SAMPLE ID: AE 44015		DATE: 3-19-12	

## PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 34.76 feet to 19.24 feet	STATIC DEPTH TO WATER (feet): 9.17	PURGE PUMP TYPE OR BAILER: PP C 0800 3424
-------------------------------	-----------------------------------	---	---------------------------------------	---

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

= ( 19.42 feet - 9.17 : 10.25 feet ) X 0.16 gallons/foot = 1.64 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

(only fill out if applicable)

$$= 1.64 \text{ gallons} + ( \text{gallons/foot} \times \text{feet} ) + 0.223 \text{ gallons} = \text{gallons}$$

Time to purge one (1) gallon =  $\frac{1.86}{1.64 + 0.223}$  minutes

[illegible]

WELL CAPACITY (Gallons Per Foot):	0.75" = 0.02;	1" = 0.04;	1.25" = 0.06;	2" = 0.16;	3" = 0.37;	4" = 0.65;	5" = 1.02;	6" = 1.47;	12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.):	1/8" = 0.0006;	3/16" = 0.0014;	1/4" = 0.0026;	5/16" = 0.004;	3/8" = 0.006;	1/2" = 0.010;	5/8" = 0.016		

**PURGING EQUIPMENT CODES:** B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Peter Mitchell / I.C.</i>		SAMPLER(S) SIGNATURE(S): <i>Peter Mitchell</i>		SAMPLING INITIATED AT: <i>0915</i>	SAMPLING ENDED AT: <i>0918</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>11.17</i>		TUBING MATERIAL CODE: TYGON	FIELD-FILTERED: Y <i>N</i>	FILTER SIZE: <i>—</i> μm	
FIELD DECONTAMINATION: PUMP <i>Y</i> N TUBING <i>Y</i> N (replaced)			DUPLICATE: Y <i>N</i>		
REMARKS: Reference chain of custody for sample container and preservation information.					
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)					
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)					

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

**pH:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009



# CHAIN OF CUSTODY RECORD

Sampler Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Page 1 of 2

3/13/2012 7:59:34 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers: \_\_\_\_\_

Temperature: \_\_\_\_\_

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3.18.12	1005	AE44016	GW	Lena Road Monitoring Well GW-2	40 ml glass; Grab	3		\$25818011-CONTRACT
3.19.12	1005	AE44016	GW	Lena Road Monitoring Well GW-2	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3.19.12	1005	AE44016	GW	Lena Road Monitoring Well GW-2	HDPE w/H2SO4 pres.; Grab/Comp.	1	<2	AMM
3.19.12	1005	AE44016	GW	Lena Road Monitoring Well GW-2	HDPE unpreserved; Grab/Comp.	1	1	TDS
3.19.12	1005	AE44016	GW	Lena Road Monitoring Well GW-2	HDPE unpres.; Grab/Comp.	1	1	NO3IC
3.19.12	1005	AE44016	GW	Lena Road Monitoring Well GW-2	HDPE w/HNO3; Grab/Comp.	1	<2	\$ICPWATER ASAA TLAA
3.19.12	1005	AE44016	GW	Lena Road Monitoring Well GW-2	HDPE w/HNO3; Grab/Comp.	1	<2	HG

Signature

Print Name

Company

Date

Time

Relinquished By: _____	Peter Mitchell	F.C.	3.14.12	1400
Received By: _____	E. Mayernick	MCUO Control Lab	3-19-12	1400
Relinquished By: _____				
Received By: _____				

Comments: 2012-03-12-005

# CHAIN OF CUSTODY RECORD

Sampler Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Page 2 of 2

3/13/2012 7:59:34 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers: \_\_\_\_\_

Temperature: \_\_\_\_\_

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-19-12	1005	AE44016	GW	Lena Road Monitoring Well GW-2	HDPE unpres.; Grab/Comp.	1		CLIC

Signature

Print Name

Company

Date

Time

Relinquished By: _____	Peter Mitchell	I.C.,	3-19-12	1400
Received By: _____	E. Mayernick	manatee utilities	3-19-12	1400
Relinquished By: _____				
Received By: _____				

Comments: 2012-03-12-005

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Lena Road Landfill		SITE LOCATION:		27.47356N 82.44439W
WELL NO: 6W-2	SAMPLE ID: AE44016	DATE: 3-19-12		

## PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet 34.26 19.26	STATIC DEPTH TO WATER (feet): 10.00	PURGE PUMP TYPE OR BAILER: PP #C08003424
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**WELL VOLUME PURGE:** 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

$$= (19.41 \text{ feet} - 10.00 : 9.41 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.51 \text{ gallons}$$

**EQUIPMENT VOLUME PURGE:** 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)

$$= 1.51 \text{ gallons} + ( \text{gallons/foot} \times 1.51 \text{ feet} ) + 0.223 \text{ gallons} = 1.73 \text{ gallons}$$

Time to purge one (1) gallon = 6.65 minutes

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.00	PURGING INITIATED AT: 0948	PURGING ENDED AT: 1001	TOTAL VOLUME PURGED (gallons): 3.29
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[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 8" = 2.44; 10" = 3.80; 12" = 5.88									
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.013; 5/8" = 0.021; 3/4" = 0.031; 7/8" = 0.045; 1" = 0.061									

**PURGING EQUIPMENT CODES:** B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Peter Mitchell / DC</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>1001</i>	SAMPLING ENDED AT: <i>1005</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>12.00</i>		TUBING MATERIAL CODE: TYGON		FIELD-FILTERED: Y <i>N</i> Filtration Equipment Type: <i>_____</i>	FILTER SIZE: <i>_____</i> µm
FIELD DECONTAMINATION: PUMP <i>(Y)</i> N		TUBING <i>(Y)</i> N (replaced)		DUPLICATE: Y <i>(N)</i>	
REMARKS: Reference chain of custody					

REMARKS: Reference chain of custody for sample container and preservation information.

**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

**SAMPLING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

**pH:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009



# CHAIN OF CUSTODY RECORD

Sampler Signature: \_\_\_\_\_

*[Signature]*

Print Name: \_\_\_\_\_

*Peter Mitchell*

Page 1 of 2

3/13/2012 7:58:40 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers: \_\_\_\_\_

*11*

Temperature: \_\_\_\_\_

*30*

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
<i>3-19-12</i>	<i>1051</i>	AE44017	GW	Lena Road Monitoring Well GW-3	40 ml glass; Grab	<i>3</i>		\$25818011-CONTRACT
<i>3-19-12</i>	<i>1051</i>	AE44017	GW	Lena Road Monitoring Well GW-3	40 ml glass w/HCl; Grab	<i>3</i>		\$2581VOCS-CONTRACT
<i>3-19-12</i>	<i>1051</i>	AE44017	GW	Lena Road Monitoring Well GW-3	HDPE w/H2SO4 pres.; Grab/Comp.	<i>1</i>	<i>&lt;2</i>	AMM
<i>3-19-12</i>	<i>1051</i>	AE44017	GW	Lena Road Monitoring Well GW-3	HDPE unpreserved; Grab/Comp.	<i>1</i>	<i>1</i>	TDS
<i>3-19-12</i>	<i>1051</i>	AE44017	GW	Lena Road Monitoring Well GW-3	HDPE unpres.; Grab/Comp.	<i>1</i>	<i>1</i>	NO3IC
<i>3-19-12</i>	<i>1051</i>	AE44017	GW	Lena Road Monitoring Well GW-3	HDPE w/HNO3; Grab/Comp.	<i>1</i>	<i>&lt;2</i>	\$ICPWATER ASAA TLAA
<i>3-19-12</i>	<i>1051</i>	AE44017	GW	Lena Road Monitoring Well GW-3	HDPE w/HNO3; Grab/Comp.	<i>1</i>	<i>&lt;2</i>	HG

Signature

Print Name

Company

Date

Time

Relinquished By: \_\_\_\_\_

*[Signature]*

*Peter Mitchell*

*IC*

*3-19-12*

*1400*

Received By: \_\_\_\_\_

*[Signature]*

*E. Mayernick*

*ncud lab*

*3-19-12*

*1400*

Relinquished By: \_\_\_\_\_

Received By: \_\_\_\_\_

Comments: \_\_\_\_\_

*2012-03-12-006*

# CHAIN OF CUSTODY RECORD

Sampler Signature: [Signature]

Print Name: Peter Mitchell

Page 2 of 2  
3/13/2012 7:58:40 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

30

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-9-12	1051	AE44017	GW	Lena Road Monitoring Well GW-3	HDPE unpres.; Grab/Comp.	1		CLIC

Signature

Print Name

Company

Date

Time

Relinquished By: <u>[Signature]</u>	<u>Peter Mitchell</u>	<u>I.C.</u>	<u>3-19-12</u>	<u>1400</u>
Received By: <u>E. Mayernick</u>	<u>E. Mayernick</u>	<u>MCUD Central Lab</u>	<u>3-19-12</u>	<u>1400</u>
Relinquished By:				
Received By:				

Comments: 20120312006

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Lena Road Landfill		SITE LOCATION: 27.47306 N 82.44648 W	
WELL NO: GW-3	SAMPLE ID: AE44017		DATE: 3-14-12

## PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH:      feet to      feet 34.76      19.26	STATIC DEPTH TO WATER (feet): 8.80	PURGE PUMP TYPE OR BAILER: PP #C08003424
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY

(only fill out if applicable)

= ( 19.56 feet - 8.80 = 10.76 feet ) X 0.16 gallons/foot = 1.72 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)

= 1.72 gallons + (                      gallons/foot X                      feet) + 0.223 gallons = 6.94 gallons

Time to purge one (1) gallon = 2.76 minutes

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.80	PURGING INITIATED AT: 1032	PURGING ENDED AT: 1047	TOTAL VOLUME PURGED (gallons): 4.00
--	--	----------------------------	------------------------	-------------------------------------

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

**PURGING EQUIPMENT CODES:** B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Peter Mitchell / I.C.</i>		SAMPLER(S) SIGNATURE(S): <i>Peter Mitchell</i>		SAMPLING INITIATED AT: <i>1047</i>	SAMPLING ENDED AT: <i>1051</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>10.30</i>		TUBING MATERIAL CODE: TYGON		FIELD-FILTERED: Y <i>N</i> Filtration Equipment Type: <i>—</i>	FILTER SIZE: <i>—</i> $\mu$ m
FIELD DECONTAMINATION: PUMP <i>Y</i> N		TUBING <i>Y</i> N (replaced)		DUPLICATE: Y <i>N</i>	

REMARKS: Reference chain of custody for sample container and preservation information.

**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

**SAMPLING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

**pH:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $+ 5$  NTU or  $+ 10\%$  (whichever is greater)

Revision Date: February 12, 2009



# CHAIN OF CUSTODY RECORD

Sampler Signature: 

Print Name: Peter Mitchell

Page 1 of 2  
3/13/2012 7:57:57 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

17 <sup>PSC</sup> 5-12-12

Temperature:

30

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-19-12	1130	AE44018	GW	Lena Road Monitoring Well GW-4	40 ml glass; Grab	3		\$25818011-CONTRACT
3-19-12	1130	AE44018	GW	Lena Road Monitoring Well GW-4	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-19-12	1130	AE44018	GW	Lena Road Monitoring Well GW-4	HDPE w/H2SO4 pres.; Grab/Comp.	1	<2	AMM
3-19-12	1130	AE44018	GW	Lena Road Monitoring Well GW-4	HDPE unpreserved; Grab/Comp.	1	1	TDS
3-19-12	1130	AE44018	GW	Lena Road Monitoring Well GW-4	HDPE unpres.; Grab/Comp.	1	1	NO3IC
3-19-12	1130	AE44018	GW	Lena Road Monitoring Well GW-4	HDPE w/HNO3; Grab/Comp.	1	<2	\$ICPWATER ASAA TLAA
3-17-12	1130	AE44018	GW	Lena Road Monitoring Well GW-4	HDPE w/HNO3; Grab/Comp.	1	<2	HG

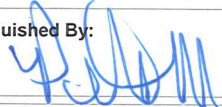

Signature

Print Name

Company

Date

Time

Relinquished By: 	Peter Mitchell	IL	3-19-12	1400
Received By: 	E. Mayers	MCUP Lab	3-19-12	1400
Relinquished By:				
Received By:				

Comments: 2012-03-12-007

# CHAIN OF CUSTODY RECORD

Sampler Signature: \_\_\_\_\_

*[Signature]*

Print Name: \_\_\_\_\_

*Peter Mitchell*

Page 2 of 2

3/13/2012 7:57:57 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers: \_\_\_\_\_

Temperature: \_\_\_\_\_

*1*

*3°*

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
<i>3-18-12</i>	<i>1130</i>	AE44018	GW	Lena Road Monitoring Well GW-4	HDPE unpres.; Grab/Comp.	<i>1</i>		CLIC

Signature

Print Name

Company

Date

Time

Relinquished By: <i>[Signature]</i>	<i>Peter Mitchell</i>	<i>I.C.</i>	<i>3-19-12</i>	<i>1400</i>
Received By: <i>E Mayernick</i>	<i>EMayernick</i>	<i>MCUO Central Lab</i>	<i>3-19-12</i>	<i>1400</i>
Relinquished By:				
Received By:				

Comments: *2012-03-12-007*

82.47314 N  
82.44808 W

## PURGING DATA

PURGE PUMP TYPE  
OR BAILER: PP  
#C08003426

**WELL VOLUME PURGE:** 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

$$= (19.63 \text{ feet} - 10.70 \div 8.93 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.43 \text{ gallons}$$

**EQUIPMENT VOLUME PURGE:** 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)

$$= 143 \text{ gallons} + (\text{gallons/foot} \times \text{feet}) + 0.333 \text{ gallons} = \text{gallons}$$

Time to purge one (1) gallon = 6.33 minutes

6	TOTAL VOLUME PURGED (gallons): 3.
---	--------------------------------------

[illegible]

WELL CAPACITY (Gallons Per Foot):	0.75" = 0.02;	1" = 0.04;	1.25" = 0.06;	2" = 0.16;	3" = 0.37;	4" = 0.65;	5" = 1.02;	6" = 1.47;	12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.):	1/8" = 0.0006;	3/16" = 0.0014;	1/4" = 0.0026;	5/16" = 0.004;	3/8" = 0.006;	1/2" = 0.010;	5/8" = 0.016		

**PURGING EQUIPMENT CODES:** B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Peter Mitchell / I.C.</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>1126</i>	SAMPLING ENDED AT: <i>1130</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>12.70</i>		TUBING MATERIAL CODE: TYGON		FIELD-FILTERED: Y <i>(N)</i>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <i>(Y)</i> N TUBING <i>(Y)</i> N (replaced)				DUPLICATE: Y <i>(N)</i>	

REMARKS: Reference chain of custody for sample container and preservation information.

**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

**SAMPLING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

**pH:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $+5$  NTU or  $+10\%$  (whichever is greater)

Revision Date: February 12, 2009

2/26/12



# CHAIN OF CUSTODY RECORD

Sampler Signature: 

Print Name: Peter Mitchell

Page 1 of 2  
3/13/2012 7:56:09 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:  
17 <sup>7 am 3/19/12</sup>

Temperature:  
3°

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-19-12	1215	AE44019	GW	Lena Road Monitoring Well GW-5	40 ml glass; Grab	3		\$25818011-CONTRACT
3-19-12	1215	AE44019	GW	Lena Road Monitoring Well GW-5	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-19-12	1215	AE44019	GW	Lena Road Monitoring Well GW-5	HDPE w/H2SO4 pres.; Grab/Comp.	1	22	AMM
3-19-12	1215	AE44019	GW	Lena Road Monitoring Well GW-5	HDPE unpreserved; Grab/Comp.	1		TDS
3-19-12	1215	AE44019	GW	Lena Road Monitoring Well GW-5	HDPE unpres.; Grab/Comp.	1		NO3IC
3-19-12	1215	AE44019	GW	Lena Road Monitoring Well GW-5	HDPE w/HNO3; Grab/Comp.	1	22	\$ICPWATER ASAA TLAA
3-19-12	1215	AE44019	GW	Lena Road Monitoring Well GW-5	HDPE w/HNO3; Grab/Comp.	1	22	HG


Signature

Print Name

Company

Date

Time

Relinquished By: 	Peter Mitchell	I.C.	3-19-12	1400
Received By: E. Mayernick	E. Mayernick	MCUO Central Lab	3-19-12	1400
Relinquished By:				
Received By:				

Comments: 2012-03-12-008

# CHAIN OF CUSTODY RECORD

Sampler Signature: [Signature]

Print Name: Peter Mitchell

Page 2 of 2

3/13/2012 7:56:09 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

30

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-19-12	12:15	AE44019	GW	Lena Road Monitoring Well GW-5	HDPE unpres.; Grab/Comp.	1		CLIC

Signature	Print Name	Company	Date	Time
Relinquished By: <u>[Signature]</u>	<u>Peter Mitchell</u>	<u>I.C.</u>	<u>3-19-12</u>	<u>1400</u>
Received By: <u>[Signature]</u>	<u>E. Mayernick</u>	<u>MCUD Central Lab</u>	<u>3-19-12</u>	<u>1400</u>
Relinquished By:				
Received By:				

Comments: 2012-03-12-008

**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>Lena Road Landfill</b>		SITE LOCATION: <b>27, 47312 N 82, 44960 W</b>	
WELL NO: <b>GW-5</b>	SAMPLE ID: <b>AE 44019</b>	DATE: <b>3-18-12</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2"</b>	TUBING DIAMETER (inches): <b>1/2"</b>	WELL SCREEN INTERVAL DEPTH: <b>24.76</b> feet to <b>14.26</b> feet	STATIC DEPTH TO WATER (feet): <b>10.20</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>19.66</b> feet - <b>10.20</b> ) X <b>0.16</b> gallons/foot = <b>1.51</b> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = <b>1.51</b> gallons + ( <b>0.223</b> gallons/foot X <b>7.21</b> feet ) + <b>0.223</b> gallons = <b>1.73</b> gallons				
Time to purge one (1) gallon = <b>7.21</b> minutes				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.20			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.20			PURGING INITIATED AT: 1155		PURGING ENDED AT: 1210		TOTAL VOLUME PURGED (gallons): 3.17	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1200	1.23	1.23	.24	10.20	6.15	24.5	548	0.77	0.97	yellow	sulfur
1205	.72	2.45	.24	10.20	6.14	24.5	550	0.50	0.88	yellow	sulfur
1210	.72	3.17	.24	10.20	6.15	24.5	552	0.62	0.63	slight	slight
											</

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016  
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Peter Mitchell / T.C.</b>		SAMPLER(S) SIGNATURE(S): <b>[Signature]</b>		SAMPLING INITIATED AT: <b>1210</b>	SAMPLING ENDED AT: <b>1215</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>12.20</b>		TUBING MATERIAL CODE: <b>TYGON</b>		FIELD-FILTERED: <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>	FILTER SIZE: <b>—</b> μm
FIELD DECONTAMINATION: <b>PUMP</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>		<b>TUBING</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/> (replaced)		DUPLICATE: <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>	
REMARKS: Reference chain of custody for sample container and preservation information.					

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)  
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

**[Signature]**  
**3/24/12**



# CHAIN OF CUSTODY RECORD

Sampler Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Page 1 of 2

3/13/2012 7:54:29 AM



Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers: \_\_\_\_\_

Temperature: \_\_\_\_\_

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-20-12	0901	AE44020	GW	Lena Road Monitoring Well GW-6	40 ml glass; Grab	3		\$25818011-CONTRACT
3-20-12	0901	AE44020	GW	Lena Road Monitoring Well GW-6	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-20-12	0901	AE44020	GW	Lena Road Monitoring Well GW-6	HDPE w/H2SO4 pres.; Grab/Comp.	1	22	AMM
3-20-12	0901	AE44020	GW	Lena Road Monitoring Well GW-6	HDPE unpreserved; Grab/Comp.	1		TDS
3-20-12	0901	AE44020	GW	Lena Road Monitoring Well GW-6	HDPE unpres.; Grab/Comp.	1		NO3IC
3-20-12	0901	AE44020	GW	Lena Road Monitoring Well GW-6	HDPE w/HNO3; Grab/Comp.	1	22	\$ICPWATER ASAA TLAA
3-20-12	0901	AE44020	GW	Lena Road Monitoring Well GW-6	HDPE w/HNO3; Grab/Comp.	1	22	HG

Signature	Print Name	Company	Date	Time
Relinquished By: 	Peter Mixell	I.C.	3-20-12	1300
Received By: 	E. Mayernick	MCUD Central Lab	3-20-12	1305
Relinquished By:				
Received By:				

Comments: \_\_\_\_\_

2012-03-12-009

# CHAIN OF CUSTODY RECORD

Sampler Signature: [Signature]

Print Name: Peter Mitchell

Page 2 of 2  
3/13/2012 7:54:29 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

16

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3.20.12	0901	AE44020	GW	Lena Road Monitoring Well GW-6	HDPE unpres.; Grab/Comp.	1		CLIC

Signature	Print Name	Company	Date	Time
Relinquished By: <u>[Signature]</u>	Peter Mitchell	I.C.	3-20-12	1300
Received By: <u>[Signature]</u>	E. Mayernick	MCUD Central Lab	3-20-12	1305
Relinquished By:				
Received By:				

Comments: 2012-03-12-009



# GROUNDWATER SAMPLING LOG

SITE NAME: Lena Road Landfill		SITE LOCATION: 27, 47316 N 82.45116 W	
WELL NO: 6W-6	SAMPLE ID: AE44020	DATE: 7-20-12	

## PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 34.24 feet to 19.26 feet	STATIC DEPTH TO WATER (feet): 9.92	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 4 TIMES				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

= ( 19.54 feet - 9.92 = 9.62 feet ) X 0.16 gallons/foot = 1.54 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME *Plu 3/23/12*

Time to purge one (1) gallon = 6.77 minutes

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	11.92	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	11.92	PURGING INITIATED AT:	0842	PURGING ENDED AT:	0856	TOTAL VOLUME PURGED (gallons):	3.32
--	-------	--	-------	-----------------------	------	-------------------	------	--------------------------------	------

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.012; 5/8" = 0.02

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Peter M. Lach / I.C.</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>0856</i>	SAMPLING ENDED AT: <i>0901</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>11.92</i>		TUBING MATERIAL CODE: TYGON		FIELD-FILTERED: Y <i>N</i>	FILTER SIZE: <i>—</i> $\mu$ m
FIELD DECONTAMINATION: PUMP <i>Y</i> N		TUBING <i>Y</i> N (replaced)		DUPLICATE: Y <i>N</i>	
REMARKS: Reference chain of custody for sample container and preservation information					

REMARKS: Reference chain of custody for sample container and preservation information.

**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

**SAMPLING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE CONVENTION

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH:  $\pm 0.2$  units Temperature:  $\pm 0.3^{\circ}\text{C}$  Specific Gravity:  $\pm 0.001$

**pH:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009

3/26/12

# CHAIN OF CUSTODY RECORD

Sampler Signature: 

Print Name: Peter Mitchell

Page 1 of 2

3/13/2012 8:23:03 AM



Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers: 11

Temperature: 10

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-20-12	0939	AE43918	GW	Lena Road Monitoring Well GW-7	40 ml glass; Grab	3		\$25818011-CONTRACT
3-20-12	0939	AE43918	GW	Lena Road Monitoring Well GW-7	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-20-12	0939	AE43918	GW	Lena Road Monitoring Well GW-7	HDPE w/H2SO4 pres.; Grab/Comp.	1	C2	AMM
3-20-12	0939	AE43918	GW	Lena Road Monitoring Well GW-7	HDPE unpreserved; Grab/Comp.	1		TDS
3-20-12	0939	AE43918	GW	Lena Road Monitoring Well GW-7	HDPE unpres.; Grab/Comp.	1		NO3IC
3-20-12	0939	AE43918	GW	Lena Road Monitoring Well GW-7	HDPE w/HNO3; Grab/Comp.	1	C2	\$ICPWATER ASAA TLAA
3-20-12	0939	AE43918	GW	Lena Road Monitoring Well GW-7	HDPE w/HNO3; Grab/Comp.	1	C2	HG

Signature	Print Name	Company	Date	Time
Relinquished By: 	Peter Mitchell	I.C.	3-20-12	1300
Received By: 	E. Mayernick	MCUO Central Lab	3-20-12	1305
Relinquished By:				
Received By:				

Comments: 2012-03-67-020

# CHAIN OF CUSTODY RECORD

Sampler Signature: [Signature]

Print Name: Peter Mitchell

Page 2 of 2

3/13/2012 8:23:03 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers: 1

Temperature: 10

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-20-12	0939	AE43918	GW	Lena Road Monitoring Well GW-7	HDPE unpres.; Grab/Comp.	1		CLIC
<u>PLM 3-20-12</u>								

Signature	Print Name	Company	Date	Time
Relinquished By: <u>[Signature]</u>	Peter Mitchell	I.C.	3-20-12	1300
Received By: <u>E. Mayernick</u>	E. Mayernick	MCUO Central Lab	3-20-12	1305
Relinquished By:				
Received By:				

Comments: 2012-03-07-020



# CHAIN OF CUSTODY RECORD

Sampler Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Page 1 of 2

3/13/2012 8:01:19 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers: \_\_\_\_\_

Temperature: \_\_\_\_\_

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-20-12	0939	AE43929	GW	Lena Road Monitoring Well Field Duplicate	40 ml glass; Grab	3		\$25818011-CONTRACT
3-20-12	0939	AE43929	GW	Lena Road Monitoring Well Field Duplicate	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-20-12	0939	AE43929	GW	Lena Road Monitoring Well Field Duplicate	HDPE w/H2SO4 pres.; Grab/Comp.	1	✓	AMM
3-20-12	0939	AE43929	GW	Lena Road Monitoring Well Field Duplicate	HDPE unpreserved; Grab/Comp.	1		TDS
3-20-12	0939	AE43929	GW	Lena Road Monitoring Well Field Duplicate	HDPE unpres.; Grab/Comp.	1		NO3IC
3-20-12	0939	AE43929	GW	Lena Road Monitoring Well Field Duplicate	HDPE w/HNO3; Grab/Comp.	1	✓	\$ICPWATER ASAA TLAA
3-20-12	0939	AE43929	GW	Lena Road Monitoring Well Field Duplicate	HDPE w/HNO3; Grab/Comp.	1	✓	HG

Signature	Print Name	Company	Date	Time
Relinquished By: _____	Peter Mitchell	I.C.	3-20-12	1300
Received By: _____	E. Mayernick	MCUO Central Lab	3-20-12	1305
Relinquished By: _____				
Received By: _____				

Comments: 2012-03-07-031

# CHAIN OF CUSTODY RECORD

Sampler Signature: [Signature]

Print Name: Peter Mitchell

Page 2 of 2  
3/13/2012 8:01:19 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

10

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-20-12	0939	AE43929	GW	Lena Road Monitoring Well Field Duplicate	HDPE unpres.; Grab/Comp.	1		CLIC
<u>See 3-28-12</u>								

Signature	Print Name	Company	Date	Time
Relinquished By: <u>[Signature]</u>	<u>Peter Mitchell</u>	<u>I.C.</u>	<u>3-20-12</u>	<u>1300</u>
Received By: <u>[Signature]</u>	<u>E. Mayernick</u>	<u>MCU Central Lab</u>	<u>3-20-12</u>	<u>1305</u>
Relinquished By:				
Received By:				

Comments: 2012-03-07-031

## GROUNDWATER SAMPLING LOG

SITE NAME: Lena Road Landfill		SITE LOCATION: 27.47319 N 82.45270 W	
WELL NO: 6W-7	SAMPLE ID: AE 43918	DATE: 3-20-12	

## PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH:        feet to        feet 34.76    19.26	STATIC DEPTH TO WATER (feet): 13.00	PURGE PUMP TYPE OR BAILER: PP #C08003424
-------------------------------	-----------------------------------	---	--	--

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

= ( 20.54 feet - 13.00 = 7.54 feet ) X 0.16 gallons/foot = 1.21 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)

$$= 1.21 \text{ gallons} + (\text{gallons/foot} \times \text{feet}) + 0.223 \text{ gallons} = 1.43 \text{ gallons}$$

Time to purge one (1) gallon = 5.72 minutes

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	PURGING INITIATED AT: 0922	PURGING ENDED AT: 0934	TOTAL VOLUME PURGED (gallons):
--	--	----------------------------	------------------------	--------------------------------

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

**PURGING EQUIPMENT CODES:** B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Peter Mitchell / I.C.</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>0934</i>	SAMPLING ENDED AT: <i>0939</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>15.00</i>		TUBING MATERIAL CODE: TYGON		FIELD-FILTERED: Y <i>(N)</i>	FILTER SIZE: <i>—</i> µm
FIELD DECONTAMINATION: PUMP <i>(Y)</i> N		TUBING <i>(Y)</i> N (replaced)		DUPLICATE: Y <i>(N)</i>	
REMARKS: Reference chain of custody for sample container and preservation information.					

**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

**SAMPLING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009



# CHAIN OF CUSTODY RECORD

Page 1 of 2

Sampler Signature: 

Print Name: Peter Mitchell

3/13/2012 8:21:44 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin



Total Number of Containers:

11

Temperature:

1°

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
<u>3-20-12</u>	<u>1035</u>	AE43919	GW	Lena Road Monitoring Well GW-8	40 ml glass; Grab	<u>3</u>		\$25818011-CONTRACT
<u>3-20-12</u>	<u>1035</u>	AE43919	GW	Lena Road Monitoring Well GW-8	40 ml glass w/HCl; Grab	<u>3</u>		\$2581VOCS-CONTRACT
<u>3-20-12</u>	<u>1035</u>	AE43919	GW	Lena Road Monitoring Well GW-8	HDPE w/H2SO4 pres.; Grab/Comp.	<u>1</u>	<u>&lt;2</u>	AMM
<u>3-20-12</u>	<u>1035</u>	AE43919	GW	Lena Road Monitoring Well GW-8	HDPE unpreserved; Grab/Comp.	<u>1</u>		TDS
<u>3-20-12</u>	<u>1035</u>	AE43919	GW	Lena Road Monitoring Well GW-8	HDPE unpres.; Grab/Comp.	<u>1</u>		NO3IC
<u>3-20-12</u>	<u>1035</u>	AE43919	GW	Lena Road Monitoring Well GW-8	HDPE w/HNO3; Grab/Comp.	<u>1</u>	<u>&lt;2</u>	\$ICPWATER ASAA TLAA
<u>3-20-12</u>	<u>1035</u>	AE43919	GW	Lena Road Monitoring Well GW-8	HDPE w/HNO3; Grab/Comp.	<u>1</u>	<u>&lt;2</u>	HG

Signature	Print Name	Company	Date	Time
Relinquished By: 	<u>Peter Mitchell</u>	<u>I.C.</u>	<u>3-20-12</u>	<u>1300</u>
Received By: 	<u>E. Mayernick</u>	<u>MCUD Central Lab</u>	<u>3-20-12</u>	<u>1305</u>
Relinquished By:				
Received By:				

Comments: 2012-03-07-021

# CHAIN OF CUSTODY RECORD

Sampler Signature: [Signature]

Print Name: Peter Mitchell

Page 2 of 2  
3/13/2012 8:21:44 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

10

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-20-12	1035	AE43919	GW	Lena Road Monitoring Well GW-8	HDPE unpres.; Grab/Comp.	1		CLIC
<u>from 3-20-12</u>								

Signature	Print Name	Company	Date	Time
Relinquished By: <u>[Signature]</u>	Peter Mitchell	I-C	3-20-12	1300
Received By: <u>E. Mayernick</u>	E. Mayernick	MCUO Central Lab	3-20-12	1305
Relinquished By:				
Received By:				

Comments: 2012-03-07-021



**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>Lena Road Landfill</b>		SITE LOCATION: <b>27.42277 82.45377</b>	
WELL NO: <b>6W-8</b>	SAMPLE ID: <b>AE 43919</b>	DATE: <b>3-20-12</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2"</b>	TUBING DIAMETER (inches): <b>1/2"</b>	WELL SCREEN INTERVAL DEPTH: <b>34.76</b> feet to <b>19.26</b> feet	STATIC DEPTH TO WATER (feet): <b>14.41</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>
-----------------------------------	---------------------------------------	--	--	--------------------------------------

**WELL VOLUME PURGE:** 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)  
= ( **20.32** feet - **14.41** feet ) X **0.16** gallons/foot = **0.95** gallons

**EQUIPMENT VOLUME PURGE:** 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)  
= **0.95** gallons + ( **0.223** gallons/foot X **6.13** feet ) + **0.223** gallons = **1.17** gallons  
Time to purge one (1) gallon = **4.88** minutes

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16.41</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16.41</b>	PURGING INITIATED AT: <b>10:20</b>	PURGING ENDED AT: <b>10:30</b>	TOTAL VOLUME PURGED (gallons): <b>2.61</b>
---	---	------------------------------------	--------------------------------	--

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1024	1.17	1.17	0.24	14.41	6.29	24.2	618	1.83	13.51	yellow	slight
1027	0.72	1.89	0.24	14.41	6.32	24.2	618	1.28	11.82	yellow	slight
1030	0.72	2.61	0.24	14.41	6.32	24.2	617	1.00	10.60	yellow	slight

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016  
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Peter M. H. / I.C.</b>	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: <b>1030</b>	SAMPLING ENDED AT: <b>1035</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>16.41</b>	TUBING MATERIAL CODE: <b>TYGON</b>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: <b>0.45</b> μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

REMARKS: Reference chain of custody for sample container and preservation information.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)  
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)  
Revision Date: February 12, 2009

# CHAIN OF CUSTODY RECORD

Sampler Signature: 

Print Name: Peter Mitchell

Page 1 of 2  
3/13/2012 8:21:02 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin


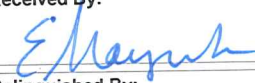
Total Number of Containers:

11

Temperature:

10

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-20-12	1120	AE43920	GW	Lena Road Monitoring Well GW-9	40 ml glass; Grab	3		\$25818011-CONTRACT
3-20-12	1120	AE43920	GW	Lena Road Monitoring Well GW-9	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-20-12	1120	AE43920	GW	Lena Road Monitoring Well GW-9	HDPE w/H2SO4 pres.; Grab/Comp.	1	✓	AMM
3-20-12	1120	AE43920	GW	Lena Road Monitoring Well GW-9	HDPE unpreserved; Grab/Comp.	1		TDS
3-20-12	1120	AE43920	GW	Lena Road Monitoring Well GW-9	HDPE unpres.; Grab/Comp.	1		NO3IC
3-20-12	1120	AE43920	GW	Lena Road Monitoring Well GW-9	HDPE w/HNO3; Grab/Comp.	1	✓	\$ICPWATER ASAA TLAA
3-20-12	1120	AE43920	GW	Lena Road Monitoring Well GW-9	HDPE w/HNO3; Grab/Comp.	1	✓	HG

Signature	Print Name	Company	Date	Time
Relinquished By: 	Peter Mitchell	I.C.	3-20-12	1300
Received By: 	E. Mayers	MCU Central Lab	3-20-12	1305
Relinquished By:				
Received By:				

Comments: 2012-03-12-022

# CHAIN OF CUSTODY RECORD

Sampler Signature:

*[Signature]*

Print Name:

*Peter Mitchell*

Page 2 of 2

3/13/2012 8:21:03 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

*1*

Temperature:

*10*

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
<i>3-20-12</i>	<i>1120</i>	AE43920	GW	Lena Road Monitoring Well GW-9	HDPE unpres.; Grab/Comp.	<i>1</i>		CLIC
				<i>pc m 3-23-12</i>				

Signature	Print Name	Company	Date	Time
Relinquished By: <i>[Signature]</i>	<i>Peter Mitchell</i>	<i>F. C.</i>	<i>3-20-12</i>	<i>1300</i>
Received By: <i>E. Mayernick</i>	<i>E. Mayernick</i>	<i>MCUD Central Lab</i>	<i>3-20-12</i>	<i>1305</i>
Relinquished By:				
Received By:				

Comments:

*2012-03-07-022*



Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Lena Road Landfill		SITE LOCATION: 27.47120 N 82.45287 W	
WELL NO: 6W-9	SAMPLE ID: AE 43920	DATE: 3.20.12	

**PURGING DATA**

## PURGING DATA

PURGING DATA				
WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 14.52	PURGE PUMP TYPE OR BAILER: PP #C08003426
		34.76 19.26		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable) = ( 20.56 feet - 14.52 = 6.04 feet ) X 0.16 gallons/foot = 0.97 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable) = 0.97 gallons + (                      gallons/foot X                      feet) +                      gallons = 1.19 gallons  
0.223

Time to purge one (1) gallon = 4.96 minutes

Time to purge one (1) gallon = <u>1.16</u> minutes		INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>16.52</u>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>17.00</u>		PURGING INITIATED AT: <u>1105</u>		PURGING ENDED AT: <u>1115</u>		TOTAL VOLUME PURGED (gallons): <u>2.63</u>	
						COND.		DISSOLVED O <sub>2</sub> (%)			

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

WELL CAPACITY (Gallons Per Foot): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.012; 5/8" = 0.018; 3/4" = 0.024; 7/8" = 0.030; 1" = 0.036; 1 1/8" = 0.042; 1 1/4" = 0.048; 1 3/8" = 0.054; 1 1/2" = 0.060; 1 5/8" = 0.066; 1 3/4" = 0.072; 1 7/8" = 0.078; 2" = 0.084; 2 1/8" = 0.090; 2 1/4" = 0.096; 2 3/8" = 0.102; 2 1/2" = 0.108; 2 5/8" = 0.114; 2 3/4" = 0.120; 2 7/8" = 0.126; 3" = 0.132; 3 1/8" = 0.138; 3 1/4" = 0.144; 3 3/8" = 0.150; 3 1/2" = 0.156; 3 5/8" = 0.162; 3 3/4" = 0.168; 3 7/8" = 0.174; 4" = 0.180; 4 1/8" = 0.186; 4 1/4" = 0.192; 4 3/8" = 0.198; 4 1/2" = 0.204; 4 5/8" = 0.210; 4 3/4" = 0.216; 4 7/8" = 0.222; 5" = 0.228; 5 1/8" = 0.234; 5 1/4" = 0.240; 5 3/8" = 0.246; 5 1/2" = 0.252; 5 5/8" = 0.258; 5 3/4" = 0.264; 5 7/8" = 0.270; 6" = 0.276; 6 1/8" = 0.282; 6 1/4" = 0.288; 6 3/8" = 0.294; 6 1/2" = 0.300; 6 5/8" = 0.306; 6 3/4" = 0.312; 6 7/8" = 0.318; 7" = 0.324; 7 1/8" = 0.330; 7 1/4" = 0.336; 7 3/8" = 0.342; 7 1/2" = 0.348; 7 5/8" = 0.354; 7 3/4" = 0.360; 7 7/8" = 0.366; 8" = 0.372; 8 1/8" = 0.378; 8 1/4" = 0.384; 8 3/8" = 0.390; 8 1/2" = 0.396; 8 5/8" = 0.402; 8 3/4" = 0.408; 8 7/8" = 0.414; 9" = 0.420; 9 1/8" = 0.426; 9 1/4" = 0.432; 9 3/8" = 0.438; 9 1/2" = 0.444; 9 5/8" = 0.450; 9 3/4" = 0.456; 9 7/8" = 0.462; 10" = 0.468; 10 1/8" = 0.474; 10 1/4" = 0.480; 10 3/8" = 0.486; 10 1/2" = 0.492; 10 5/8" = 0.498; 10 3/4" = 0.504; 10 7/8" = 0.510; 11" = 0.516; 11 1/8" = 0.522; 11 1/4" = 0.528; 11 3/8" = 0.534; 11 1/2" = 0.540; 11 5/8" = 0.546; 11 3/4" = 0.552; 11 7/8" = 0.558; 12" = 0.564; 12 1/8" = 0.570; 12 1/4" = 0.576; 12 3/8" = 0.582; 12 1/2" = 0.588; 12 5/8" = 0.594; 12 3/4" = 0.600; 12 7/8" = 0.606; 13" = 0.612; 13 1/8" = 0.618; 13 1/4" = 0.624; 13 3/8" = 0.630; 13 1/2" = 0.636; 13 5/8" = 0.642; 13 3/4" = 0.648; 13 7/8" = 0.654; 14" = 0.660; 14 1/8" = 0.666; 14 1/4" = 0.672; 14 3/8" = 0.678; 14 1/2" = 0.684; 14 5/8" = 0.690; 14 3/4" = 0.696; 14 7/8" = 0.702; 15" = 0.708; 15 1/8" = 0.714; 15 1/4" = 0.720; 15 3/8" = 0.726; 15 1/2" = 0.732; 15 5/8" = 0.738; 15 3/4" = 0.744; 15 7/8" = 0.750; 16" = 0.756; 16 1/8" = 0.762; 16 1/4" = 0.768; 16 3/8" = 0.774; 16 1/2" = 0.780; 16 5/8" = 0.786; 16 3/4" = 0.792; 16 7/8" = 0.798; 17" = 0.804; 17 1/8" = 0.810; 17 1/4" = 0.816; 17 3/8" = 0.822; 17 1/2" = 0.828; 17 5/8" = 0.834; 17 3/4" = 0.840; 17 7/8" = 0.846; 18" = 0.852; 18 1/8" = 0.858; 18 1/4" = 0.864; 18 3/8" = 0.870; 18 1/2" = 0.876; 18 5/8" = 0.882; 18 3/4" = 0.888; 18 7/8" = 0.894; 19" = 0.900; 19 1/8" = 0.906; 19 1/4" = 0.912; 19 3/8" = 0.918; 19 1/2" = 0.924; 19 5/8" = 0.930; 19 3/4" = 0.936; 19 7/8" = 0.942; 20" = 0.948; 20 1/8" = 0.954; 20 1/4" = 0.960; 20 3/8" = 0.966; 20 1/2" = 0.972; 20 5/8" = 0.978; 20 3/4" = 0.984; 20 7/8" = 0.990; 21" = 0.996; 21 1/8" = 1.002; 21 1/4" = 1.008; 21 3/8" = 1.014; 21 1/2" = 1.020; 21 5/8" = 1.026; 21 3/4" = 1.032; 21 7/8" = 1.038; 22" = 1.044; 22 1/8" = 1.050; 22 1/4" = 1.056; 22 3/8" = 1.062; 22 1/2" = 1.068; 22 5/8" = 1.074; 22 3/4" = 1.080; 22 7/8" = 1.086; 23" = 1.092; 23 1/8" = 1.098; 23 1/4" = 1.104; 23 3/8" = 1.110; 23 1/2" = 1.116; 23 5/8" = 1.122; 23 3/4" = 1.128; 23 7/8" = 1.134; 24" = 1.140; 24 1/8" = 1.146; 24 1/4" = 1.152; 24 3/8" = 1.158; 24 1/2" = 1.164; 24 5/8" = 1.170; 24 3/4" = 1.176; 24 7/8" = 1.182; 25" = 1.188; 25 1/8" = 1.194; 25 1/4" = 1.200; 25 3/8" = 1.206; 25 1/2" = 1.212; 25 5/8" = 1.218; 25 3/4" = 1.224; 25 7/8" = 1.230; 26" = 1.236; 26 1/8" = 1.242; 26 1/4" = 1.248; 26 3/8" = 1.254; 26 1/2" = 1.260; 26 5/8" = 1.266; 26 3/4" = 1.272; 26 7/8" = 1.278; 27" = 1.284; 27 1/8" = 1.290; 27 1/4" = 1.296; 27 3/8" = 1.302; 27 1/2" = 1.308; 27 5/8" = 1.314; 27 3/4" = 1.320; 27 7/8" = 1.326; 28" = 1.332; 28 1/8" = 1.338; 28 1/4" = 1.344; 28 3/8" = 1.350; 28 1/2" = 1.356; 28 5/8" = 1.362; 28 3/4" = 1.368; 28 7/8" = 1.374; 29" = 1.380; 29 1/8" = 1.386; 29 1/4" = 1.392; 29 3/8" = 1.398; 29 1/2" = 1.404; 29 5/8" = 1.410; 29 3/4" = 1.416; 29 7/8" = 1.422; 30" = 1.428; 30 1/8" = 1.434; 30 1/4" = 1.440; 30 3/8" = 1.446; 30 1/2" = 1.452; 30 5/8" = 1.458; 30 3/4" = 1.464; 30 7/8" = 1.470; 31" = 1.476; 31 1/8" = 1.482; 31 1/4" = 1.488; 31 3/8" = 1.494; 31 1/2" = 1.500; 31 5/8" = 1.506; 31 3/4" = 1.512; 31 7/8" = 1.518; 32" = 1.524; 32 1/8" = 1.530; 32 1/4" = 1.536; 32 3/8" = 1.542; 32 1/2" = 1.548; 32 5/8" = 1.554; 32 3/4" = 1.560; 32 7/8" = 1.566; 33" = 1.572; 33 1/8" = 1.578; 33 1/4" = 1.584; 33 3/8" = 1.590; 33 1

## SAMPLING DATA

PURGING EQUIPMENT CODES:		SAMPLING DATA	
SAMPLED BY (PRINT) / AFFILIATION: Peter M. K. / I.C.		SAMPLER(S) SIGNATURE(S): [Signature]	
PUMP OR TUBING DEPTH IN WELL (feet): 17.00		TUBING MATERIAL CODE: TYGON	
FIELD DECONTAMINATION: PUMP <input checked="" type="radio"/> N		TUBING <input checked="" type="radio"/> N (replaced)	
REMARKS: Reference chain of custody for sample container and preservation information.		DUPLICATE: Y <input checked="" type="radio"/> N	
SAMPLING EQUIPMENT CODES:		SAMPLING INITIATED AT: 1115	
SAMPLING EQUIPMENT CODES:		SAMPLING ENDED AT: 1120	
SAMPLING EQUIPMENT CODES:		FIELD-FILTERED: Y <input checked="" type="radio"/> N	
SAMPLING EQUIPMENT CODES:		Filtration Equipment Type: _____	
SAMPLING EQUIPMENT CODES:		FILTER SIZE: _____ µm	
SAMPLING EQUIPMENT CODES:		AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)	
SAMPLING EQUIPMENT CODES:		APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)	
SAMPLING EQUIPMENT CODES:		5. Information required by Chapter 62-160, F.A.C.	

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 5)  
**pH:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2);  
 optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009

Revision Date: February 12, 2009

# CHAIN OF CUSTODY RECORD

Sampler Signature: 

Print Name: Peter Mitchell

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3/13/2012 8:24:19 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin



Total Number of Containers:

11

Temperature:

20

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-23-12	0918	AE43916	GW	Lena Road Monitoring Well GW-10	40 ml glass; Grab	3		\$25818011-CONTRACT
3-23-12	0918	AE43916	GW	Lena Road Monitoring Well GW-10	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-23-12	0918	AE43916	GW	Lena Road Monitoring Well GW-10	HDPE w/H2SO4 pres.; Grab/Comp.	1	<2	AMM
3-23-12	0918	AE43916	GW	Lena Road Monitoring Well GW-10	HDPE unpreserved; Grab/Comp.	1		TDS
3-23-12	0918	AE43916	GW	Lena Road Monitoring Well GW-10	HDPE unpres.; Grab/Comp.	1		NO3IC
3-23-12	0918	AE43916	GW	Lena Road Monitoring Well GW-10	HDPE w/HNO3; Grab/Comp.	1	<2	\$ICPWATER ASAA TLAA
3-23-12	0918	AE43916	GW	Lena Road Monitoring Well GW-10	HDPE w/HNO3; Grab/Comp.	1	<2	HG

Signature	Print Name	Company	Date	Time
Relinquished By: 	Peter Mitchell	I.C.	3-23-12	1313
Received By: 	E. Mayernick	MCUD Central Lab	3-23-12	1313
Relinquished By:				
Received By:				

Comments: 2012-03-07-018

# CHAIN OF CUSTODY RECORD

Sampler Signature: P. Mitchell

Print Name: Peter Mitchell

Page 2 of 2  
3/13/2012 8:24:19 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

20

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-23-12	109B	AE43916	GW	Lena Road Monitoring Well GW-10	HDPE unpres.; Grab/Comp.	1		CLIC
<u>DCM 3-23-12</u>								

Signature	Print Name	Company	Date	Time
Relinquished By: <u>P. Mitchell</u>	<u>Peter Mitchell</u>	<u>I.C.</u>	<u>3-23-12</u>	<u>1313</u>
Received By: <u>E. Mayernick</u>	<u>E. Mayernick</u>	<u>MCUO Central Lab</u>	<u>3-23-12</u>	<u>1313</u>
Relinquished By:				
Received By:				

Comments: 2012-03-07-018



# GROUNDWATER SAMPLING LOG

SITE NAME: Lena Road Landfill		SITE LOCATION: 27.46978N 82.45193	
WELL NO: 6W-10	SAMPLE ID: AE 43916	DATE: 3-23-12	

## PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH:        feet to        feet 34.76        19.26	STATIC DEPTH TO WATER (feet): 13.21	PURGE PUMP TYPE OR BAILER: PP #C08003424
-------------------------------	-----------------------------------	---	--	--

**WELL VOLUME PURGE:** 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

$$= (20.15 \text{ feet} - 13.2 \div 6.25 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.1 \text{ gallons}$$

**EQUIPMENT VOLUME PURGE:** 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)

$$= 1.1 \text{ gallons} + (0.223 \text{ gallons/foot} \times 6 \text{ feet}) = 1.33 \text{ gallons}$$

Time to purge one (1) gallon = 5.54 minutes

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19.22	PURGING INITIATED AT: 0900	PURGING ENDED AT: 0913	TOTAL VOLUME PURGED (gallons): 2.77
--	--	----------------------------	------------------------	-------------------------------------

[illegible]

**WELL CAPACITY** (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

**TUBING INSIDE DIA. CAPACITY (Gal./Ft.):** 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

**PURGING EQUIPMENT CODES:** B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Peter M. Lundy / I.C.</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>0913</i>	SAMPLING ENDED AT: <i>0918</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>19.22</i>		TUBING MATERIAL CODE: TYGON		FIELD-FILTERED: Y <i>(N)</i>	FILTER SIZE: <i>—</i> μm
FIELD DECONTAMINATION: PUMP <i>(Y)</i> N		TUBING <i>(Y)</i> N (replaced)		DUPLICATE: Y <i>(N)</i>	
REMARKS: Reference chain of custody for sample.					

REMARKS: Reference chain of custody for sample container and preservation information.

**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

**SAMPLING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

**pH:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009

3/24/17

# CHAIN OF CUSTODY RECORD

Sampler Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Page 1 of 2

3/13/2012 8:23:44 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers: \_\_\_\_\_

Temperature: \_\_\_\_\_

11

20

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-23-12	1013	AE43917	GW	Lena Road Monitoring Well GW-11	40 ml glass; Grab	3		\$25818011-CONTRACT
3-23-12	1013	AE43917	GW	Lena Road Monitoring Well GW-11	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-23-12	1013	AE43917	GW	Lena Road Monitoring Well GW-11	HDPE w/H2SO4 pres.; Grab/Comp.	1	22	AMM
3-23-12	1013	AE43917	GW	Lena Road Monitoring Well GW-11	HDPE unpreserved; Grab/Comp.	1		TDS
3-23-12	1013	AE43917	GW	Lena Road Monitoring Well GW-11	HDPE unpres.; Grab/Comp.	1		NO3IC
3-23-12	1013	AE43917	GW	Lena Road Monitoring Well GW-11	HDPE w/HNO3; Grab/Comp.	1	22	\$ICPWATER ASAA TLAA
3-23-12	1013	AE43917	GW	Lena Road Monitoring Well GW-11	HDPE w/HNO3; Grab/Comp.	1	22	HG

Signature

Print Name

Company

Date

Time

Relinquished By: _____	Peter Mitchell	I.C.	3-23-12	1313
Received By: _____	E. Mayernick	micro central lab	3-23-12	1313
Relinquished By: _____				
Received By: _____				

Comments: 2012-03-07-019



# CHAIN OF CUSTODY RECORD

Sampler Signature: [Signature]

Print Name: Peter M. Mitchell

Page 2 of 2  
3/13/2012 8:23:44 AM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

20

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-23-12	1013	AE43917	GW	Lena Road Monitoring Well GW-11	HDPE unpres.; Grab/Comp.	1		CLIC
<u>[Handwritten: 20m 3-23-12]</u>								
<u>[Handwritten: 3-23-12]</u>								
<u>[Handwritten: 3-23-12]</u>								

Signature	Print Name	Company	Date	Time
Relinquished By: <u>[Signature]</u>	Peter Mitchell	I.C.	3-23-12	1313
Received By: <u>[Signature]</u>	E. Mayernick	MCU Central Lab	3-23-12	1313
Relinquished By:				
Received By:				

Comments: 2012-03-07-019

SITE NAME: Lena Road Landfill		SITE LOCATION: 27.46891N 82.44959W	
WELL NO: 6W-11	SAMPLE ID: AE 43917	DATE: 3-23-12	

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet 34.76 19.26	STATIC DEPTH TO WATER (feet): 832	PURGE PUMP TYPE OR BAILER: PP #1 08003424
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$$= (21.61 \text{ feet} - 832 \div 13.29 \text{ feet}) \times 0.16 \text{ gallons/foot} = 21.61 \text{ gallons}$$
$$= 2.13 \text{ gallons} + (\text{gallons/foot} \times \text{feet}) + 0.223 \text{ gallons} = 2.35 \text{ gallons}$$

~~2134~~  
P.L.M 3.23.12

TOTAL VOLUME  
BURGED (gallons): 3.85

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

**PURGING EQUIPMENT CODES:** B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

FIELD DECONTAMINATION:	PUMP	<input checked="" type="radio"/> Y	<input type="radio"/> N	TUBING	<input checked="" type="radio"/> Y	<input type="radio"/> N (replaced)	DUPLICATE:	<input type="radio"/> Y	<input checked="" type="radio"/> N
------------------------	------	------------------------------------	-------------------------	--------	------------------------------------	------------------------------------	------------	-------------------------	------------------------------------

Broken, needs replacing. well is unlocked.

**SAMPLING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

Revision Date: February 12, 2009



# CHAIN OF CUSTODY RECORD

Sampler Signature:

*[Signature]*  
3.23.12

Print Name:

*DAVID E WELLS*  
*Peter Mitchell* 3.23.12

Page 1 of 2

3/8/2012 2:32:27 PM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

11

Temperature:

20

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Chec	Analysis
3-23-12	1050	AE43921	GW	Lena Road Monitoring Well GW-12	40 ml glass; Grab	3		\$25818011-CONTRACT
3-23-12	1050	AE43921	GW	Lena Road Monitoring Well GW-12	40 ml glass w/HCl; Grab	3		\$2581VOCs-CONTRACT
3-23-12	1050	AE43921	GW	Lena Road Monitoring Well GW-12	HDPE w/H2SO4 pres.; Grab/Comp.	1	✓	AMM
3-23-12	1050	AE43921	GW	Lena Road Monitoring Well GW-12	HDPE unpreserved; Grab/Comp.	1		TDS
3-23-12	1050	AE43921	GW	Lena Road Monitoring Well GW-12	HDPE unpres.; Grab/Comp.	1		NO3C
3-23-12	1050	AE43921	GW	Lena Road Monitoring Well GW-12	HDPE w/HNO3; Grab/Comp.	1	✓	\$ICPWATER ASAA TLAA
3-23-12	1050	AE43921	GW	Lena Road Monitoring Well GW-12	HDPE w/HNO3; Grab/Comp.	1	✓	HG

Signature

3-23-12

Print Name

3-23-12

Company

Date

Time

Relinquished By:	<i>[Signature]</i>	<i>Peter Mitchell</i>	<i>MCU</i>	3-23-12	1313
Received By:	<i>[Signature]</i>	<i>E. Mayernick</i>	<i>MCU Control Lab</i>	3-23-12	1313
Relinquished By:					
Received By:					

Comments: 2012-03-07-023

# CHAIN OF CUSTODY RECORD

Sampler Signature: *David E Wells*  
*3-23-12*

Print Name: *DAVID E Wells*  
*Peter Mitchell 3-23-12*

Page 2 of 2  
 3/8/2012 2:32:27 PM

Manatee County Utilities  
 Central Laboratory  
 4751 66th Street West  
 Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
 Fax: 941-795-3477  
 Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

20

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Chec	Analysis
<i>3-23-12</i>	<i>1050</i>	AE43921	GW	Lena Road Monitoring Well GW-12	HDPE unpres.; Grab/Comp.	<i>1</i>		CLIC
					<i>3-23-12</i>			

Signature	Print Name	Company	Date	Time
Relinquished By: <u><i>David E Wells</i></u> <i>3-23-12</i>	<u><i>Peter Mitchell</i></u> <i>DAVID E Wells</i>	<i>MCUD</i>	<i>3-23-12</i>	<i>1313</i>
Received By: <u><i>J. Mayernick</i></u>	<i>E. Mayernick</i>	<i>MCUD Central Lab</i>	<i>3-23-12</i>	<i>1313</i>
Relinquished By:				
Received By:				

Comments: *2012-03-07-023*



**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>Lena Road Landfill</b>		SITE LOCATION: <b>27.46792 N 82.44642 W</b>	
WELL NO: <b>6W-12</b>	SAMPLE ID: <b>AE 43921</b>	DATE: <b>3-23-12</b>	

**PURGING DATA**

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet <b>34.26 19.26</b>	STATIC DEPTH TO WATER (feet): <b>12.27</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)  
= ( **20.27** feet - **12.27** feet ) X **0.16** gallons/foot = **1.28** gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)  
= **1.28** gallons + ( **6.25** gallons/foot X **.223** feet ) + **.223** gallons = **1.50** gallons


Time to purge one (1) gallon = **6.25** minutes

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>14.27</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>14.27</b>	PURGING INITIATED AT: <b>1030</b>	PURGING ENDED AT: <b>1045</b>	TOTAL VOLUME PURGED (gallons): <b>3.66</b>
--	--	--------------------------------------	----------------------------------	---

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <u>µmhos/cm</u> or µS/cm	DISSOLVED OXYGEN (circle units) <u>mg/L</u> or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1039	2.16	2.16	.24	12.27	6.32	23.77	715	0.39	3.22	yellow	none
1042	.72	2.88	.24	12.27	6.32	23.80	719	0.37	3.51	yellow	none
1045	.72	3.66	.24	12.27	6.32	23.80	718	0.39	3.19	yellow	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016  
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Peter Mitchell / E.I.C.</b>		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: <b>1045</b>	SAMPLING ENDED AT: <b>1050</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>14.27</b>	TUBING MATERIAL CODE: <b>TYGON</b>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: <b>—</b> µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>			

REMARKS: Reference chain of custody for sample container and preservation information.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

*3/24/12*

# CHAIN OF CUSTODY RECORD

Sampler Signature:

*David E. Wells*  
3-23-12

Print Name:

*David E. Wells*  
*Peter Mitchell* 3-23-12

Page 1 of 2

3/8/2012 2:30:54 PM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

11

Temperature:

20

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Chec	Analysis
3-23-12	1133	AE43922	GW	Lena Road Monitoring Well GW-13	40 ml glass; Grab	3		\$25818011-CONTRACT
3-23-12	1133	AE43922	GW	Lena Road Monitoring Well GW-13	40 ml glass w/HCl; Grab	3		\$2581VOCS-CONTRACT
3-23-12	1133	AE43922	GW	Lena Road Monitoring Well GW-13	HDPE w/H2SO4 pres.; Grab/Comp.	1	<2	AMM
3-23-12	1133	AE43922	GW	Lena Road Monitoring Well GW-13	HDPE unpreserved; Grab/Comp.	1		TDS
3-23-12	1133	AE43922	GW	Lena Road Monitoring Well GW-13	HDPE unpres.; Grab/Comp.	1		NO3IC
3-23-12	1133	AE43922	GW	Lena Road Monitoring Well GW-13	HDPE w/HNO3; Grab/Comp.	1	<2	\$ICPWATER ASAA TLAA
3-23-12	1133	AE43922	GW	Lena Road Monitoring Well GW-13	HDPE w/HNO3; Grab/Comp.	1	<2	HG

Signature	Print Name	Company	Date	Time
Relinquished By: <i>David E. Wells</i> 3-23-12	<i>Peter Mitchell</i> 3-23-12	<i>MCUD</i>	3-23-12	1313
Received By: <i>E. Mayernick</i>	<i>E. Mayernick</i>	<i>MCUD Central Lab</i>	3-23-12	1313
Relinquished By:				
Received By:				

Comments: 2012-03-07-024



# CHAIN OF CUSTODY RECORD

Sampler Signature:

*David E Wells*  
3-23-12

Print Name:

*DAVID E Wells*  
*Peter Mitchell*

Page 2 of 2

3/8/2012 2:30:54 PM

Manatee County Utilities  
Central Laboratory  
4751 66th Street West  
Bradenton, FL 34210

Phone: 941-792-8811, Ext. 5285  
Fax: 941-795-3477  
Contact: Jeff Goodwin

Total Number of Containers:

1

Temperature:

2°

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Chec	Analysis
3-23-12	1133	AE43922	GW	Lena Road Monitoring Well GW-13	HDPE unpres.; Grab/Comp.	1		CLIC
					<i>pcu 3-23-12</i>			

Signature	Print Name	Company	Date	Time
Relinquished By: <i>David E Wells</i> 3-23-12	<i>Peter Mitchell</i> 3-23-12 <i>DAVID E Wells</i>	<i>MCUD</i>	3-23-12	1313
Received By: <i>E. Mayernick</i>	<i>E. Mayernick</i>	<i>MCUD Central Lab</i>	3-23-12	1313
Relinquished By:				
Received By:				

Comments:

*2012-03-07-024*

SITE NAME: Lena Road Landfill		SITE LOCATION: 27.46207 N 82.4423 W	
WELL NO: 66-13	SAMPLE ID: AE43922	DATE: 3-23-12	

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH:      feet to      feet 34.76      19.26	STATIC DEPTH TO WATER (feet): 12.72	PURGE PUMP TYPE OR BAILER: PP #C08003434
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EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)

*Pump 3-26-12 5.68*  
*5.68* = *1.20* gallons + (      gallons/foot X      feet) + *.223* gallons = *1.42* gallons

Time to purge one (1) gallon = *5.68* minutes

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.72	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.72	PURGING INITIATED AT: 1115	PURGING ENDED AT: 1128	TOTAL VOLUME PURGED (gallons): 2.92
--	--	----------------------------	------------------------	-------------------------------------

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

**PURGING EQUIPMENT CODES:** B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: <i>Peter Mitchell / I.C.</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>1128</i>	SAMPLING ENDED AT: <i>1133</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>14.72</i>		TUBING MATERIAL CODE: <b>TYGON</b>		FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="radio"/> N <input type="radio"/> TUBING <input checked="" type="radio"/> N (replaced) <input type="radio"/>				DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>	

REMARKS: Reference chain of custody for sample container and preservation information.

**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

**SAMPLING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

**pH:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $+0.2$  mg/L or  $+10\%$  (whichever is greater) **Turbidity:** all readings  $< 20$  NTU; optionally  $+5$  NTU or  $+10\%$  (whichever is greater)

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