REPORT OF ANALYSIS

MANATEE COUNTY UTILITIES DEPARTMENT
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USEPA LAB CODE: FL00031

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Bradenton, FL 34211

SAMPLE RECEIPT DATE: 03/31/2011

REPORT DATE: 6/28/2011

PROJECT NAME: Lena Road Semi-Annual Surface Water 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.

Jeff Goodwin 2011.07.29 10:20:55 -04'00'

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID: AE37556	**Collection Date / Time:**	**03/31/2011**	**11:30**						
Sample Point: Lena Road Surface Water 1									
Sample Comment:									
Analysis Department:	**CONTRACT**								
258 Appendix 1 Volatiles -Contract Lab									
1,1,1,2-Tetrachloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
1,1,2,2-Tetrachloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
1,1-Dichloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
1,1-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
1,2-Dichlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.1		JRW
1,2-Dichloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.1		JRW
1,4-Dichlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
2-Butanone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	2.0		JRW
Acetone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	2.0		JRW
Acrylonitrile	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	1.3		JRW
Benzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.1		JRW
Bromochloromethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
Bromodichloromethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
Bromoform	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
Bromomethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.4		JRW
Carbon disulfide	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
Carbon tetrachloride	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
Chlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.1		JRW
Chloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.4		JRW
Chloroform	EPA 8260	**0.6**	ug/L	C,I	04/04/2011	12:42	0.2		JRW
cis-1,2-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.09		JRW
Ethylbenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.08		JRW
Iodomethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
Methyl isobutyl ketone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	2.6		JRW
Styrene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.05		JRW
Tetrachloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.1		JRW
Toluene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.09		JRW
trans-1,2-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.2		JRW
trans-1,4-Dichloro-2-butene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	12:42	0.3		JRW
8011 Volatiles -Contract Lab									
Dibromochloropropane	EPA 8011	**<MDL**	ug/L	C,U	04/05/2011	09:45	0.005		BTJ
Ethylene Dibromide	EPA 8011	**<MDL**	ug/L	C,U	04/05/2011	09:45	0.005		BTJ
Chlorophyll A - Contract Lab	SM 10200H	**5.5**	mg/m3	C,I	04/01/2011	16:15	2.0		SMD
Mercury Contract Lab 1631	EPA 1631	**0.0033**	ng/L	C	04/06/2011	09:34	0.500	2.00	VWC
Analysis Department:	**DEMANDS**								
Carbonaceous BOD (5 day)	SM 5210 B	**4.12**	mg/L	J	03/31/2011	15:15	2.00	2.00	IR/AC

Analysis Comments: J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation
(qc standard with high % recovery).

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Chemical Oxygen Demand	EPA 410.4	**86.9**	mg/L		04/06/2011	15:10	6.03	20.0	EMM
Total Organic Carbon	SM 5310C	**29.4**	mg/L		04/09/2011	16:50	0.072	0.500	EMM
Analysis Department:	**FIELD**								
Field pH	FIELD	**6.3**	Std. units		03/31/2011	11:30	0.010		DWELLS
Field Temperature	FIELD	**25.4**	Degrees C		03/31/2011	11:30	0.01		DWELLS
Analysis Department:	**METALS**								
Metals by 200.7									
Antimony	EPA 200.7	**<0.0039**	mg/L	U	04/15/2011	14:40	0.0039	0.005	KMH
Arsenic	EPA 200.7	**0.018**	mg/L		04/15/2011	14:40	0.0038	0.005	KMH
Barium	EPA 200.7	**0.019**	mg/L		04/15/2011	14:40	0.0002	0.005	KMH
Beryllium	EPA 200.7	**<0.00004**	mg/L	U	04/15/2011	14:40	0.00004	0.005	KMH
Cadmium	EPA 200.7	**0.0006**	mg/L	I	04/15/2011	14:40	0.0004	0.005	KMH
Calcium	EPA 200.7	**55.0**	mg/L		04/15/2011	14:40	0.017	1.00	KMH
Chromium	EPA 200.7	**0.0013**	mg/L	I	04/15/2011	14:40	0.0007	0.005	KMH
Cobalt	EPA 200.7	**<0.0003**	mg/L	U	04/15/2011	14:40	0.0003	0.005	KMH
Copper	EPA 200.7	**0.009**	mg/L		04/15/2011	14:40	0.0009	0.005	KMH
Iron	EPA 200.7	**1.24**	mg/L		04/15/2011	14:40	0.046	0.125	KMH
Lead	EPA 200.7	**<0.0017**	mg/L	U	04/15/2011	14:40	0.0017	0.005	KMH
Magnesium	EPA 200.7	**14.9**	mg/L		04/15/2011	14:40	0.028	1.00	KMH
Nickel	EPA 200.7	**0.0034**	mg/L	I,J,V	04/15/2011	14:40	0.0002	0.005	KMH
Selenium	EPA 200.7	**<0.0046**	mg/L	U	04/15/2011	14:40	0.0046	0.005	KMH
Silver	EPA 200.7	**<0.0007**	mg/L	U	04/15/2011	14:40	0.0007	0.005	KMH
Thallium	EPA 200.7	**<0.0016**	mg/L	U	04/15/2011	14:40	0.0016	0.005	KMH
Vanadium	EPA 200.7	**0.0023**	mg/L	I	04/15/2011	14:40	0.0005	0.005	KMH
Zinc	EPA 200.7	**0.028**	mg/L		04/15/2011	14:40	0.0029	0.005	KMH
Analysis Comments:	Zinc analyzed on 4/20/11 @ 1259. Nickel: V,J:method, reagent and continuing blank above MDL but below PQL. Sample result (associated with te blanks) greater than 10 times blanks results but below PQL.								
Total Hardness	SM 2340 B	**199**	mg/L		04/26/2011	13:30			JAG
Analysis Department:	**MICROBIOLOGY**								
Fecal Coliforms	SM 9222D	**<1**	cfu/100 ml	U	03/31/2011	13:19	1		AMC/AC
Analysis Department:	**NUTRIENTS**								
Ammonia	EPA 350.1	**0.161**	mg/L		04/05/2011	16:30	0.018	0.050	EMM
Nitrate	Calculation	**0.263**	mg/L		04/05/2011	12:26			EMM
Nitrate-Nitrite	SM 4500-NO3 H	**0.277**	mg/L		04/04/2011	15:05	0.008	0.050	EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Nitrite	SM 4500-NO2 B	**0.014**	mg/L		04/01/2011	13:24	0.0006	0.005	IR
Total Kjeldahl Nitrogen	EPA 351.2	**2.35**	mg/L		04/05/2011	11:05	0.044	0.100	EMM
Total Nitrogen	Calculation	**2.63**	mg/L		04/05/2011	14:52			JAG
Total Phosphate as P	EPA 365.3	**0.462**	mg/L		04/21/2011	15:11	0.003	0.010	EMM
Unionized Ammonia	DEP SOP 10/3/83	**0.00023**	mg/L		04/11/2011	11:46			JAG
Analysis Department:	**SOLIDS**								
Total Dissolved Solids	SM 2540 C	**444**	mg/L		04/03/2011	09:15	10.0	10.0	AMC/AC
Total Suspended Solids	SM 2540 D	**NO DATA**	mg/L	O	04/04/2011	08:46	1.00	5.00	JAG

Analysis Comments: Analysis not performed. Inadequate amount provided.

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID: AE37557	**Collection Date / Time:**	**03/31/2011**	**11:00**						
Sample Point: Lena Road Surface Water 2									
Sample Comment:									
Analysis Department:	**CONTRACT**								
258 Appendix 1 Volatiles -Contract Lab									
1,1,1,2-Tetrachloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
1,1,2,2-Tetrachloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
1,1-Dichloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
1,1-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
1,2-Dichlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.1		JRW
1,2-Dichloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.1		JRW
1,4-Dichlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
2-Butanone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	2.0		JRW
Acetone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	2.0		JRW
Acrylonitrile	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	1.3		JRW
Benzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.1		JRW
Bromochloromethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
Bromodichloromethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
Bromoform	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
Carbon disulfide	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
Carbon tetrachloride	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
Chlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.1		JRW
Chloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.4		JRW
Chloroform	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
cis-1,2-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.09		JRW
Dichloromethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
Ethylbenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.08		JRW
Iodomethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
Methyl isobutyl ketone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	2.6		JRW
Styrene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.05		JRW
Tetrachloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.1		JRW
Toluene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.09		JRW
trans-1,2-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.2		JRW
trans-1,4-Dichloro-2-butene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:50	0.3		JRW
8011 Volatiles -Contract Lab									
Dibromochloropropane	EPA 8011	**<MDL**	ug/L	C,U	04/05/2011	09:45	0.005		BTJ
Ethylene Dibromide	EPA 8011	**<MDL**	ug/L	C,U	04/05/2011	09:45	0.005		BTJ
Chlorophyll A - Contract Lab	SM 10200H	**<mdl**	mg/m3	C,U	04/01/2011	16:15	2.0		SMD
Mercury Contract Lab 1631	EPA 1631	**0.0038**	ng/L	C	04/06/2011	09:34	0.500	2.00	VWC
Analysis Department:	**DEMANDS**								
Carbonaceous BOD (5 day)	SM 5210 B	**<2.00**	mg/L	U,J	03/31/2011	15:15	2.00	2.00	IR/AC
Analysis Comments:	J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation (qc standard with high % recovery).								

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Chemical Oxygen Demand	EPA 410.4	**82.1**	mg/L		04/06/2011	15:10	6.03	20.0	EMM
Total Organic Carbon	SM 5310C	**25.8**	mg/L		04/13/2011	19:19	0.072	0.500	AC
Analysis Department:	**FIELD**								
Field pH	FIELD	**5.5**	Std. units		03/31/2011	11:00	0.010		DWELLS
Field Temperature	FIELD	**26.2**	Degrees C		03/31/2011	11:00	0.01		DWELLS
Analysis Department:	**METALS**								
Metals by 200.7									
Antimony	EPA 200.7	**<0.0039**	mg/L	U	04/15/2011	14:43	0.0039	0.005	KMH
Arsenic	EPA 200.7	**0.027**	mg/L		04/15/2011	14:43	0.0038	0.005	KMH
Barium	EPA 200.7	**0.034**	mg/L		04/15/2011	14:43	0.0002	0.005	KMH
Beryllium	EPA 200.7	**0.00005**	mg/L	I	04/15/2011	14:43	0.00004	0.005	KMH
Cadmium	EPA 200.7	**0.0005**	mg/L	I	04/15/2011	14:43	0.0004	0.005	KMH
Calcium	EPA 200.7	**46.5**	mg/L		04/15/2011	14:43	0.017	1.00	KMH
Chromium	EPA 200.7	**0.0009**	mg/L	I	04/15/2011	14:43	0.0007	0.005	KMH
Cobalt	EPA 200.7	**0.0006**	mg/L	I	04/15/2011	14:43	0.0003	0.005	KMH
Copper	EPA 200.7	**0.0026**	mg/L	I	04/15/2011	14:43	0.0009	0.005	KMH
Iron	EPA 200.7	**2.99**	mg/L		04/15/2011	14:43	0.046	0.125	KMH
Lead	EPA 200.7	**<0.0017**	mg/L	U	04/15/2011	14:43	0.0017	0.005	KMH
Magnesium	EPA 200.7	**14.6**	mg/L		04/15/2011	14:43	0.028	1.00	KMH
Nickel	EPA 200.7	**0.0028**	mg/L	I,J,V	04/15/2011	14:43	0.0002	0.005	KMH
Selenium	EPA 200.7	**<0.0046**	mg/L	U	04/15/2011	14:43	0.0046	0.005	KMH
Silver	EPA 200.7	**<0.0007**	mg/L	U	04/15/2011	14:43	0.0007	0.005	KMH
Thallium	EPA 200.7	**<0.0016**	mg/L	U	04/15/2011	14:43	0.0016	0.005	KMH
Vanadium	EPA 200.7	**0.0005**	mg/L	I	04/15/2011	14:43	0.0005	0.005	KMH
Zinc	EPA 200.7	**0.022**	mg/L		04/15/2011	14:43	0.0029	0.005	KMH
Analysis Comments:	Nickel: V,J:method, reagent and continuing blank above MDL but below PQL. Sample result (associated with te blanks) greater than 10 times blanks results but below PQL.								
Total Hardness	SM 2340 B	**176**	mg/L		04/26/2011	13:29			JAG
Analysis Department:	**MICROBIOLOGY**								
Fecal Coliforms	SM 9222D	**No Result**	cfu/100 ml	Z	03/31/2011	13:19	1		AMC/IR/AC
Analysis Comments:	Z :Too numerous to be count.								
Analysis Department:	**NUTRIENTS**								
Ammonia	EPA 350.1	**0.040**	mg/L	I	04/05/2011	16:30	0.018	0.050	EMM
Nitrate	Calculation	**0.107**	mg/L		04/05/2011	12:26			EMM
Nitrate-Nitrite	SM 4500-NO3 H	**0.107**	mg/L		04/04/2011	15:05	0.008	0.050	EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Nitrite	SM 4500-NO2 B	**<0.0006**	mg/L	U	04/01/2011	13:24	0.0006	0.005	IR
Total Kjeldahl Nitrogen	EPA 351.2	**1.29**	mg/L		04/05/2011	11:05	0.044	0.100	EMM
Total Nitrogen	Calculation	**1.40**	mg/L		04/05/2011	14:52			JAG
Total Phosphate as P	EPA 365.3	**0.042**	mg/L		04/21/2011	15:11	0.003	0.010	EMM
Unionized Ammonia	DEP SOP 10/3/83	**0.00001**	mg/L		04/11/2011	11:48			JAG
Analysis Department:	**SOLIDS**								
Total Dissolved Solids	SM 2540 C	**571**	mg/L		04/03/2011	09:15	10.0	10.0	AMC/AC
Total Suspended Solids	SM 2540 D	**7.00**	mg/L		04/01/2011	10:00	1.00	5.00	AC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID: AE37558	**Collection Date / Time:**	**03/31/2011**	**10:45**						
Sample Point:	**Lena Road Surface Water Field Blank**								
Sample Comment:									
Analysis Department:	**CONTRACT**								
258 Appendix 1 Volatiles -Contract Lab									
1,1,1,2-Tetrachloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
1,1,2,2-Tetrachloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
1,1-Dichloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
1,1-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
1,2-Dichlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.1		JRW
1,2-Dichloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.1		JRW
1,4-Dichlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
2-Butanone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	2.0		JRW
Acetone	EPA 8260	**4.4**	ug/L	C	04/04/2011	14:24	2.0		JRW
Acrylonitrile	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	1.3		JRW
Benzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.1		JRW
Bromochloromethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
Bromodichloromethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
Bromoform	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
Bromomethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.4		JRW
Carbon disulfide	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
Carbon tetrachloride	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
Chlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.1		JRW
Chloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.4		JRW
Chloroform	EPA 8260	**0.2**	ug/L	C,I	04/04/2011	14:24	0.2		JRW
cis-1,2-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.09		JRW
Ethylbenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.08		JRW
Iodomethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
Methyl isobutyl ketone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	2.6		JRW
Styrene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.05		JRW
Tetrachloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.1		JRW
Toluene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.09		JRW
trans-1,2-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.2		JRW
trans-1,4-Dichloro-2-butene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	14:24	0.3		JRW
8011 Volatiles -Contract Lab									
Dibromochloropropane	EPA 8011	**<MDL**	ug/L	C,U	04/05/2011	09:45	0.0053		BTJ
Ethylene Dibromide	EPA 8011	**<MDL**	ug/L	C,U	04/05/2011	09:45	0.0053		BTJ
Chlorophyll A - Contract Lab	SM 10200H	**<mdl**	mg/m3	C,U	04/01/2011	16:15	2.0		SMD
Mercury Contract Lab 1631	EPA 1631	**0.0029**	ng/L		04/06/2011	09:34	0.500	2.00	VWC
Analysis Department:	**DEMANDS**								
Carbonaceous BOD (5 day)	SM 5210 B	**<2.00**	mg/L	U,J	03/31/2011	15:15	2.00	2.00	IR/AC

Analysis Comments: J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation
(qc standard with high % recovery).

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Chemical Oxygen Demand	EPA 410.4	**<6.03**	mg/L	U	04/06/2011	15:12	6.03	20.0	EMM
Total Organic Carbon	SM 5310C	**0.348**	mg/L	I	04/09/2011	16:29	0.072	0.500	EMM
Analysis Department:	**METALS**								
Metals by 200.7									
Antimony	EPA 200.7	**<0.0039**	mg/L	U	04/15/2011	14:36	0.0039	0.005	KMH
Arsenic	EPA 200.7	**<0.0038**	mg/L	U	04/15/2011	14:36	0.0038	0.005	KMH
Barium	EPA 200.7	**<0.0002**	mg/L	U	04/15/2011	14:36	0.0002	0.005	KMH
Beryllium	EPA 200.7	**0.00006**	mg/L	I	04/15/2011	14:36	0.00004	0.005	KMH
Cadmium	EPA 200.7	**<0.0004**	mg/L	U	04/15/2011	14:36	0.0004	0.005	KMH
Calcium	EPA 200.7	**0.035**	mg/L	I	04/15/2011	14:36	0.017	1.00	KMH
Chromium	EPA 200.7	**<0.0007**	mg/L	U	04/15/2011	14:36	0.0007	0.005	KMH
Cobalt	EPA 200.7	**<0.0003**	mg/L	U	04/15/2011	14:36	0.0003	0.005	KMH
Copper	EPA 200.7	**<0.0009**	mg/L	U	04/15/2011	14:36	0.0009	0.005	KMH
Iron	EPA 200.7	**<0.046**	mg/L	U	04/15/2011	14:36	0.046	0.125	KMH
Lead	EPA 200.7	**<0.0017**	mg/L	U	04/15/2011	14:36	0.0017	0.005	KMH
Magnesium	EPA 200.7	**<0.028**	mg/L	U	04/15/2011	14:36	0.028	1.00	KMH
Nickel	EPA 200.7	**0.0008**	mg/L	I,V,J	04/15/2011	14:36	0.0002	0.005	KMH
Selenium	EPA 200.7	**<0.0046**	mg/L	U	04/15/2011	14:36	0.0046	0.005	KMH
Silver	EPA 200.7	**<0.0007**	mg/L	U	04/15/2011	14:36	0.0007	0.005	KMH
Thallium	EPA 200.7	**0.0022**	mg/L	I	04/15/2011	14:36	0.0016	0.005	KMH
Vanadium	EPA 200.7	**<0.0005**	mg/L	U	04/15/2011	14:36	0.0005	0.005	KMH
Zinc	EPA 200.7	**<0.0029**	mg/L	U	04/15/2011	14:36	0.0029	0.005	KMH

Analysis Comments: Zinc analyzed on 4-20-11 at 1307.
Nickel: V,J:method, reagent and continuing blank above MDL but below PQL. Sample result (associated with te blanks)
greater than 10 times blanks results but below PQL.

Analysis Department:	**MICROBIOLOGY**								
Fecal Coliforms	SM 9222D	**<1**	cfu/100 ml	U	03/31/2011	13:19	1		AMC/AC
Analysis Department:	**NUTRIENTS**								
Ammonia	EPA 350.1	**<0.018**	mg/L	U	04/05/2011	16:30	0.018	0.050	EMM
Nitrate	Calculation	**0.064**	mg/L		04/05/2011	12:26			EMM
Nitrate-Nitrite	SM 4500-NO3 H	**0.064**	mg/L		04/04/2011	14:54	0.008	0.050	EMM
Nitrite	SM 4500-NO2 B	**<0.0006**	mg/L	U	04/01/2011	13:24	0.0006	0.005	IR
Total Kjeldahl Nitrogen	EPA 351.2	**0.220**	mg/L		04/05/2011	11:05	0.044	0.100	EMM
Total Nitrogen	Calculation	**0.284**	mg/L		04/05/2011	14:52			JAG
Total Phosphate as P	EPA 365.3	**<0.003**	mg/L	U	04/21/2011	15:11	0.003	0.010	EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Analysis Department:	**SOLIDS**								
Total Dissolved Solids	SM 2540 C	**<10.0**	mg/L	U	04/03/2011	09:15	10.0	10.0	AMC/AC
Total Suspended Solids	SM 2540 D	**<1.00**	mg/L	U	04/01/2011	10:00	1.00	5.00	AC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID: AE37559	**Collection Date / Time:**	**03/31/2011**	**11:30**						
Sample Point:	**Lena Road Surface Water Field Duplicate**								
Sample Comment:									
Analysis Department:	**CONTRACT**								
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1,1,1,2-Tetrachloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
1,1,2,2-Tetrachloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
1,1-Dichloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
1,1-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
1,2-Dichlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.1		JRW
1,2-Dichloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.1		JRW
1,4-Dichlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
2-Butanone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	2.0		JRW
Acetone	EPA 8260	**2.3**	ug/L	C,I	04/04/2011	13:38	2.0		JRW
Acrylonitrile	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	1.3		JRW
Benzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.1		JRW
Bromochloromethane	EPA 8260	**0.6**	ug/L	C,I	04/04/2011	13:38	0.2		JRW
Bromodichloromethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
Bromoform	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
Bromomethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.4		JRW
Carbon disulfide	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
Carbon tetrachloride	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
Chlorobenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.1		JRW
Chloroethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.4		JRW
Chloroform	EPA 8260	**0.5**	ug/L	C,I	04/04/2011	13:38	0.2		JRW
cis-1,2-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.09		JRW
Ethylbenzene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.08		JRW
Iodomethane	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
Methyl isobutyl ketone	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	2.6		JRW
Styrene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.05		JRW
Tetrachloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.1		JRW
Toluene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.09		JRW
trans-1,2-Dichloroethylene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.2		JRW
trans-1,4-Dichloro-2-butene	EPA 8260	**<MDL**	ug/L	C,U	04/04/2011	13:38	0.3		JRW
8011 Volatiles -Contract Lab									
Dibromochloropropane	EPA 8011	**<MDL**	ug/L	C,U	04/05/2011	09:45	0.0054		BTJ
Ethylene Dibromide	EPA 8011	**<MDL**	ug/L	C,U	04/05/2011	09:45	0.0054		BTJ
Chlorophyll A - Contract Lab	SM 10200H	**5.2**	mg/m3	C,I	04/01/2011	13:33	2.0		SMD
Mercury Contract Lab 1631	EPA 1631	**0.00035**	ng/L	C,I	04/06/2011	09:34	0.00040	2.00	VWC
Analysis Department:	**DEMANDS**								
Carbonaceous BOD (5 day)	SM 5210 B	**3.40**	mg/L	J	03/31/2011	15:15	2.00	2.00	IR/AC

Analysis Comments: J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation
(qc standard with high % recovery).

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Chemical Oxygen Demand	EPA 410.4	**77.1**	mg/L		04/06/2011	15:12	6.03	20.0	EMM
Total Organic Carbon	SM 5310C	**27.1**	mg/L		04/13/2011	19:43	0.072	0.500	AC
Analysis Department:	**FIELD**								
Field pH	FIELD	**6.3**	Std. units		03/31/2011	13:04	0.010		DWELLS
Field Temperature	FIELD	**25.4**	Degrees C		03/31/2011	13:04	0.01		DWELLS
Analysis Department:	**METALS**								
Metals by 200.7									
Antimony	EPA 200.7	**<0.0039**	mg/L	U	04/15/2011	14:36	0.0039	0.005	KMH
Arsenic	EPA 200.7	**0.017**	mg/L		04/15/2011	14:36	0.0038	0.005	KMH
Barium	EPA 200.7	**0.019**	mg/L		04/15/2011	14:36	0.0002	0.005	KMH
Beryllium	EPA 200.7	**<0.00004**	mg/L	U	04/15/2011	14:36	0.00004	0.005	KMH
Cadmium	EPA 200.7	**<0.0004**	mg/L	U	04/15/2011	14:36	0.0004	0.005	KMH
Calcium	EPA 200.7	**55.1**	mg/L		04/15/2011	14:36	0.017	1.00	KMH
Chromium	EPA 200.7	**0.0013**	mg/L	I	04/15/2011	14:36	0.0007	0.005	KMH
Cobalt	EPA 200.7	**<0.0003**	mg/L	U	04/15/2011	14:36	0.0003	0.005	KMH
Copper	EPA 200.7	**0.0017**	mg/L	I	04/15/2011	14:36	0.0009	0.005	KMH
Iron	EPA 200.7	**1.25**	mg/L		04/15/2011	14:36	0.046	0.125	KMH
Lead	EPA 200.7	**<0.0017**	mg/L	U	04/15/2011	14:36	0.0017	0.005	KMH
Magnesium	EPA 200.7	**15.0**	mg/L		04/15/2011	14:36	0.028	1.00	KMH
Nickel	EPA 200.7	**0.0022**	mg/L	I	04/15/2011	14:36	0.0002	0.005	KMH
Selenium	EPA 200.7	**<0.0046**	mg/L	U	04/15/2011	14:36	0.0046	0.005	KMH
Silver	EPA 200.7	**<0.0007**	mg/L	U	04/15/2011	14:36	0.0007	0.005	KMH
Thallium	EPA 200.7	**<0.0016**	mg/L	U	04/15/2011	14:36	0.0016	0.005	KMH
Vanadium	EPA 200.7	**0.0026**	mg/L	I	04/15/2011	14:36	0.0005	0.005	KMH
Zinc	EPA 200.7	**0.007**	mg/L		04/15/2011	14:36	0.0029	0.005	KMH
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.								
Total Hardness	SM 2340 B	**199**	mg/L		04/26/2011	13:22			JAG
Analysis Department:	**MICROBIOLOGY**								
Fecal Coliforms	SM 9222D	**<1**	cfu/100 ml	U	03/31/2011	13:19	1		AMC/AC
Analysis Department:	**NUTRIENTS**								
Ammonia	EPA 350.1	**0.120**	mg/L		04/05/2011	16:30	0.018	0.050	EMM
Nitrate	Calculation	**0.273**	mg/L		04/05/2011	12:26			EMM
Nitrate-Nitrite	SM 4500-NO3 H	**0.288**	mg/L		04/04/2011	15:05	0.008	0.050	EMM
Nitrite	SM 4500-NO2 B	**0.015**	mg/L		04/01/2011	13:26	0.0006	0.005	IR

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Total Kjeldahl Nitrogen	EPA 351.2	**1.76**	mg/L		04/20/2011	10:36	0.044	0.100	EMM
Total Nitrogen	Calculation	**2.02**	mg/L		04/05/2011	14:52			JAG
Total Phosphate as P	EPA 365.3	**0.442**	mg/L		04/21/2011	15:18	0.003	0.010	EMM
Unionized Ammonia	DEP SOP 10/3/83	**0.00017**	mg/L		04/11/2011	11:47			JAG
Analysis Department:	**SOLIDS**								
Total Dissolved Solids	SM 2540 C	**447**	mg/L		04/03/2011	09:15	10.0	10.0	AMC/AC
Total Suspended Solids	SM 2540 D	**8.00**	mg/L		04/01/2011	10:00	1.00	5.00	AC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID:	**AE38472**	**Collection Date / Time:**		**04/04/2011**	**09:55**				
Sample Point:	**Lena Road Surface Water 2**								
Sample Comment:	**resample**								
Analysis Department:	**FIELD**								
Field pH	FIELD	**6.35**	Std. units		04/04/2011	09:55	0.010		DW/PM
Field Temperature	FIELD	**26.4**	Degrees C		04/04/2011	09:55	0.01		DWELLS
Analysis Department:	**MICROBIOLOGY**								
Fecal Coliforms	SM 9222D	**720**	cfu/100 ml		04/04/2011	11:50	1		AMC/AC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID: AE38535	**Collection Date / Time: 04/04/2011 09:46**								
Sample Point: Lena Road Surface Water 1									
Sample Comment:									
Analysis Department:	**FIELD**								
Field pH	FIELD	**5.9**	Std. units		04/04/2011	09:46	0.010		DW/PM
Field Temperature	FIELD	**26.0**	Degrees C		04/04/2011	09:46	0.01		DWELLS
Analysis Department:	**SOLIDS**								
Total Suspended Solids	SM 2540 D	**4.80**	mg/L	I	04/05/2011	10:15	1.00	5.00	AC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst

Batch Name: **$ICPWATER-21542** **QA Sample ID:** **AE38448**

Samples **AE37556 AE37557 AE37558 AE37559**

Analysis Comments: Zinc analyzed on 4/20/11 @ 1259.
Nickel: V,J:method, reagent and continuing blank above MDL but below PQL. Sample result (associated with te blanks)
greater than 10 times blanks results but below PQL.

Method Blank for Metals by 200.7

Aluminum	<0.039	mg/L	U	04/15/2011	12:00		KMH
Antimony	<0.0039	mg/L	U	04/15/2011	12:00		KMH
Arsenic	<0.0038	mg/L	U	04/15/2011	12:00		KMH
Barium	<0.0002	mg/L	U	04/15/2011	12:00		KMH
Beryllium	<0.00004	mg/L	U	04/15/2011	12:00		KMH
Cadmium	<0.0004	mg/L	U	04/15/2011	12:00		KMH
Calcium	<0.017	mg/L	U	04/15/2011	12:00		KMH
Chromium	<0.0007	mg/L	U	04/15/2011	12:00		KMH
Cobalt	<0.0003	mg/L	U	04/15/2011	12:00		KMH
Copper	<0.0009	mg/L	U	04/15/2011	12:00		KMH
Iron	<0.046	mg/L	U	04/15/2011	12:00		KMH
Lead	<0.0017	mg/L	U	04/15/2011	12:00		KMH
Magnesium	<0.028	mg/L	U	04/15/2011	12:00		KMH
Manganese	<0.0004	mg/L	U	04/15/2011	12:00		KMH
Molybdenum	<0.0006	mg/L	U	04/15/2011	12:00		KMH
Nickel	0.0008	mg/L	I	04/15/2011	12:00		KMH
Potassium	0.081	mg/L	I	04/15/2011	12:00		KMH
Selenium	<0.0046	mg/L	U	04/15/2011	12:00		KMH
Silver	<0.0007	mg/L	U	04/15/2011	12:00		KMH
Sodium	0.020	mg/L	I	04/15/2011	12:00		KMH
Thallium	<0.0016	mg/L	U	04/15/2011	12:00		KMH
Tin	<0.0017	mg/L	U	04/15/2011	12:00		KMH
Titanium	0.0002	mg/L	I	04/15/2011	12:00		KMH
Vanadium	<0.0005	mg/L	U	04/15/2011	12:00		KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
Method Blank for Metals by 200.7								
Zinc		<0.0029	mg/L	U	04/15/2011	12:00		KMH
Int Calb Rec for Metals by 200.7								
Aluminum		102	%		04/15/2011	11:16		KMH
Antimony		100	%		04/15/2011	11:16		KMH
Arsenic		98.6	%		04/15/2011	11:16		KMH
Barium		103	%		04/15/2011	11:16		KMH
Beryllium		102	%		04/15/2011	11:16		KMH
Cadmium		97.4	%		04/15/2011	11:16		KMH
Calcium		99.4	%		04/15/2011	11:16		KMH
Chromium		101	%		04/15/2011	11:16		KMH
Cobalt		102	%		04/15/2011	11:16		KMH
Copper		101	%		04/15/2011	11:16		KMH
Iron		101	%		04/15/2011	11:16		KMH
Lead		103	%		04/15/2011	11:16		KMH
Magnesium		100	%		04/15/2011	11:16		KMH
Manganese		99.5	%		04/15/2011	11:16		KMH
Molybdenum		99.2	%		04/15/2011	11:16		KMH
Nickel		101	%		04/15/2011	11:16		KMH
Potassium		97.2	%		04/15/2011	11:16		KMH
Selenium		97.5	%		04/15/2011	11:16		KMH
Silver		97.6	%		04/15/2011	11:16		KMH
Sodium		99.2	%		04/15/2011	11:16		KMH
Thallium		104	%		04/15/2011	11:16		KMH
Tin		102	%		04/15/2011	11:16		KMH
Titanium		96.9	%		04/15/2011	11:16		KMH
Vanadium		101	%		04/15/2011	11:16		KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**		**AE38448**				
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
Int Calb Rec for Metals by 200.7								
Zinc		102	%		04/15/2011 11:16			KMH
LCS Recovery for Metals by 200.7								
Aluminum		105	%		04/15/2011 12:18			KMH
Antimony		105	%		04/15/2011 12:18			KMH
Arsenic		102	%		04/15/2011 12:18			KMH
Barium		108	%		04/15/2011 12:18			KMH
Beryllium		107	%		04/15/2011 12:18			KMH
Cadmium		99.4	%		04/15/2011 12:18			KMH
Calcium		104	%		04/15/2011 12:18			KMH
Chromium		105	%		04/15/2011 12:18			KMH
Cobalt		109	%		04/15/2011 12:18			KMH
Copper		106	%		04/15/2011 12:18			KMH
Iron		106	%		04/15/2011 12:18			KMH
Lead		103	%		04/15/2011 12:18			KMH
Magnesium		107	%		04/15/2011 12:18			KMH
Manganese		98.4	%		04/15/2011 12:18			KMH
Molybdenum		100	%		04/15/2011 12:18			KMH
Nickel		100	%		04/15/2011 12:18			KMH
Potassium		103	%		04/15/2011 12:18			KMH
Selenium		96.6	%		04/15/2011 12:18			KMH
Silver		98.0	%		04/15/2011 12:18			KMH
Sodium		100	%		04/15/2011 12:18			KMH
Thallium		106	%		04/15/2011 12:18			KMH
Tin		104	%		04/15/2011 12:18			KMH
Titanium		96.4	%		04/15/2011 12:18			KMH
Vanadium		107	%		04/15/2011 12:18			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Nickel: V,J:method, reagent and continuing blank above MDL but below PQL. Sample result (associated with te blanks) greater than 10 times blanks results but below PQL.							
LCS Recovery for Metals by 200.7								
Zinc		103	%		04/15/2011 12:18			KMH
MS Result for Metals by 200.7								
Aluminum		12.2	mg/L		04/15/2011 14:21			KMH
Antimony		0.520	mg/L		04/15/2011 14:21			KMH
Arsenic		0.535	mg/L		04/15/2011 14:21			KMH
Barium		0.541	mg/L		04/15/2011 14:21			KMH
Beryllium		0.524	mg/L		04/15/2011 14:21			KMH
Cadmium		0.493	mg/L		04/15/2011 14:21			KMH
Calcium		118	mg/L		04/15/2011 14:21			KMH
Chromium		0.518	mg/L		04/15/2011 14:21			KMH
Cobalt		0.528	mg/L		04/15/2011 14:21			KMH
Copper		0.537	mg/L		04/15/2011 14:21			KMH
Iron		7.42	mg/L		04/15/2011 14:21			KMH
Lead		0.495	mg/L		04/15/2011 14:21			KMH
Magnesium		62.2	mg/L		04/15/2011 14:21			KMH
Manganese		0.490	mg/L		04/15/2011 14:21			KMH
Molybdenum		0.504	mg/L		04/15/2011 14:21			KMH
Nickel		0.486	mg/L		04/15/2011 14:21			KMH
Potassium		27.0	mg/L		04/15/2011 14:21			KMH
Selenium		0.482	mg/L		04/15/2011 14:21			KMH
Silver		0.453	mg/L		04/15/2011 14:21			KMH
Sodium		111	mg/L		04/15/2011 14:21			KMH
Thallium		0.499	mg/L		04/15/2011 14:21			KMH
Tin		0.497	mg/L		04/15/2011 14:21			KMH
Titanium		0.475	mg/L		04/15/2011 14:21			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**		**AE38448**				
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
MS Result for Metals by 200.7								
Vanadium		0.538	mg/L		04/15/2011 14:21			KMH
Zinc		0.536	mg/L		04/15/2011 14:21			KMH
MS Recovery for Metals by 200.7								
Aluminum		110	%		04/15/2011 14:12			KMH
Antimony		103	%		04/15/2011 14:12			KMH
Arsenic		104	%		04/15/2011 14:12			KMH
Barium		106	%		04/15/2011 14:12			KMH
Beryllium		105	%		04/15/2011 14:12			KMH
Cadmium		98.6	%		04/15/2011 14:12			KMH
Calcium		97.6	%		04/15/2011 14:12			KMH
Chromium		103	%		04/15/2011 14:12			KMH
Cobalt		106	%		04/15/2011 14:12			KMH
Copper		106	%		04/15/2011 14:12			KMH
Iron		104	%		04/15/2011 14:12			KMH
Lead		99.0	%		04/15/2011 14:12			KMH
Magnesium		103	%		04/15/2011 14:12			KMH
Manganese		95.8	%		04/15/2011 14:12			KMH
Molybdenum		98.2	%		04/15/2011 14:12			KMH
Nickel		96.7	%		04/15/2011 14:12			KMH
Potassium		106	%		04/15/2011 14:12			KMH
Selenium		96.4	%		04/15/2011 14:12			KMH
Silver		90.6	%		04/15/2011 14:12			KMH
Sodium		101	%		04/15/2011 14:12			KMH
Thallium		99.8	%		04/15/2011 14:12			KMH
Tin		99.4	%		04/15/2011 14:12			KMH
Titanium		94.4	%		04/15/2011 14:12			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4-20-11 at 1307. Nickel: V,J:method, reagent and continuing blank above MDL but below PQL. Sample result (associated with te blanks) greater than 10 times blanks results but below PQL.							
MS Recovery for Metals by 200.7								
Vanadium		106	%		04/15/2011 14:12			KMH
Zinc		102	%		04/15/2011 14:12			KMH
MS/MSD Precision for Metals by 200.7								
Aluminum		0.00	%		04/15/2011 14:21			KMH
Antimony		0.766	%		04/15/2011 14:21			KMH
Arsenic		0.00	%		04/15/2011 14:21			KMH
Barium		0.556	%		04/15/2011 14:21			KMH
Beryllium		0.191	%		04/15/2011 14:21			KMH
Cadmium		0.203	%		04/15/2011 14:21			KMH
Calcium		0.00	%		04/15/2011 14:21			KMH
Chromium		0.00	%		04/15/2011 14:21			KMH
Cobalt		0.00	%		04/15/2011 14:21			KMH
Copper		0.373	%		04/15/2011 14:21			KMH
Iron		0.269	%		04/15/2011 14:21			KMH
Lead		0.202	%		04/15/2011 14:21			KMH
Magnesium		0.483	%		04/15/2011 14:21			KMH
Manganese		0.407	%		04/15/2011 14:21			KMH
Molybdenum		0.198	%		04/15/2011 14:21			KMH
Nickel		0.00	%		04/15/2011 14:21			KMH
Potassium		0.00	%		04/15/2011 14:21			KMH
Selenium		0.826	%		04/15/2011 14:21			KMH
Silver		4.53	%		04/15/2011 14:21			KMH
Sodium		0.897	%		04/15/2011 14:21			KMH
Thallium		0.805	%		04/15/2011 14:21			KMH
Tin		0.402	%		04/15/2011 14:21			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**		**AE38448**				
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
MS/MSD Precision for Metals by 200.7								
Titanium		6.32	%		04/15/2011 14:21			KMH
Vanadium		0.186	%		04/15/2011 14:21			KMH
Zinc		0.372	%		04/15/2011 14:21			KMH
CCV Rec for Metals by 200.7								
Aluminum		104	%		04/15/2011 15:10			KMH
Antimony		104	%		04/15/2011 15:10			KMH
Arsenic		103	%		04/15/2011 15:10			KMH
Barium		105	%		04/15/2011 15:10			KMH
Beryllium		105	%		04/15/2011 15:10			KMH
Cadmium		97.2	%		04/15/2011 15:10			KMH
Calcium		99.8	%		04/15/2011 15:10			KMH
Chromium		103	%		04/15/2011 15:10			KMH
Cobalt		103	%		04/15/2011 15:10			KMH
Copper		104	%		04/15/2011 15:10			KMH
Iron		102	%		04/15/2011 15:10			KMH
Lead		102	%		04/15/2011 15:10			KMH
Magnesium		102	%		04/15/2011 15:10			KMH
Manganese		97.6	%		04/15/2011 15:10			KMH
Molybdenum		101	%		04/15/2011 15:10			KMH
Nickel		99.5	%		04/15/2011 15:10			KMH
Potassium		104	%		04/15/2011 15:10			KMH
Selenium		98.6	%		04/15/2011 15:10			KMH
Silver		99.0	%		04/15/2011 15:10			KMH
Sodium		104	%		04/15/2011 15:10			KMH
Thallium		104	%		04/15/2011 15:10			KMH
Tin		104	%		04/15/2011 15:10			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
CCV Rec for Metals by 200.7								
Titanium		97.8	%		04/15/2011 15:10			KMH
Vanadium		105	%		04/15/2011 15:10			KMH
Zinc		106	%		04/15/2011 15:10			KMH
Cont Blank for Metals by 200.7								
Aluminum		<0.039	mg/L	U	04/15/2011 15:28			KMH
Antimony		<0.0039	mg/L	U	04/15/2011 15:28			KMH
Arsenic		<0.0038	mg/L	U	04/15/2011 15:28			KMH
Barium		<0.0002	mg/L	U	04/15/2011 15:28			KMH
Beryllium		0.00005	mg/L	I	04/15/2011 15:28			KMH
Cadmium		<0.0004	mg/L	U	04/15/2011 15:28			KMH
Calcium		<0.017	mg/L	U	04/15/2011 15:28			KMH
Chromium		<0.0007	mg/L	U	04/15/2011 15:28			KMH
Cobalt		<0.0003	mg/L	U	04/15/2011 15:28			KMH
Copper		<0.0009	mg/L	U	04/15/2011 15:28			KMH
Iron		<0.046	mg/L	U	04/15/2011 15:28			KMH
Lead		<0.0017	mg/L	U	04/15/2011 15:28			KMH
Magnesium		<0.028	mg/L	U	04/15/2011 15:28			KMH
Manganese		<0.0004	mg/L	U	04/15/2011 15:28			KMH
Molybdenum		<0.0006	mg/L	U	04/15/2011 15:28			KMH
Nickel		0.0006	mg/L	I	04/15/2011 15:28			KMH
Potassium		<0.071	mg/L	U	04/15/2011 15:28			KMH
Selenium		<0.0046	mg/L	U	04/15/2011 15:28			KMH
Silver		<0.0007	mg/L	U	04/15/2011 15:28			KMH
Sodium		0.029	mg/L	I	04/15/2011 15:28			KMH
Thallium		<0.0016	mg/L	U	04/15/2011 15:28			KMH
Tin		<0.0017	mg/L	U	04/15/2011 15:28			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
Cont Blank for Metals by 200.7								
Titanium		0.0002	mg/L	I	04/15/2011	15:28		KMH
Vanadium		<0.0005	mg/L	U	04/15/2011	15:28		KMH
Zinc		<0.0029	mg/L	U	04/15/2011	15:28		KMH
CCV for Metals by 200.7								
Aluminum		21.8	mg/L		04/15/2011	15:10		KMH
Antimony		1.04	mg/L		04/15/2011	15:10		KMH
Arsenic		1.03	mg/L		04/15/2011	15:10		KMH
Barium		1.05	mg/L		04/15/2011	15:10		KMH
Beryllium		1.05	mg/L		04/15/2011	15:10		KMH
Cadmium		0.972	mg/L		04/15/2011	15:10		KMH
Calcium		99.8	mg/L		04/15/2011	15:10		KMH
Chromium		1.03	mg/L		04/15/2011	15:10		KMH
Cobalt		1.03	mg/L		04/15/2011	15:10		KMH
Copper		1.04	mg/L		04/15/2011	15:10		KMH
Iron		12.8	mg/L		04/15/2011	15:10		KMH
Lead		1.02	mg/L		04/15/2011	15:10		KMH
Magnesium		102	mg/L		04/15/2011	15:10		KMH
Manganese		0.976	mg/L		04/15/2011	15:10		KMH
Molybdenum		1.01	mg/L		04/15/2011	15:10		KMH
Nickel		0.995	mg/L		04/15/2011	15:10		KMH
Potassium		25.9	mg/L		04/15/2011	15:10		KMH
Selenium		0.986	mg/L		04/15/2011	15:10		KMH
Silver		0.495	mg/L		04/15/2011	15:10		KMH
Sodium		208	mg/L		04/15/2011	15:10		KMH
Thallium		1.04	mg/L		04/15/2011	15:10		KMH
Tin		1.04	mg/L		04/15/2011	15:10		KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**		**AE38448**				
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
CCV for Metals by 200.7								
Titanium		0.978	mg/L		04/15/2011 15:10			KMH
Vanadium		1.05	mg/L		04/15/2011 15:10			KMH
Zinc		1.06	mg/L		04/15/2011 15:10			KMH
Initial Calibration for Metals by 200.7								
Aluminum		1.02	mg/L		04/15/2011 11:16			KMH
Antimony		1.00	mg/L		04/15/2011 11:16			KMH
Arsenic		0.986	mg/L		04/15/2011 11:16			KMH
Barium		1.03	mg/L		04/15/2011 11:16			KMH
Beryllium		1.02	mg/L		04/15/2011 11:16			KMH
Cadmium		0.974	mg/L		04/15/2011 11:16			KMH
Calcium		49.7	mg/L		04/15/2011 11:16			KMH
Chromium		1.01	mg/L		04/15/2011 11:16			KMH
Cobalt		1.02	mg/L		04/15/2011 11:16			KMH
Copper		1.01	mg/L		04/15/2011 11:16			KMH
Iron		12.6	mg/L		04/15/2011 11:16			KMH
Lead		1.03	mg/L		04/15/2011 11:16			KMH
Magnesium		50.2	mg/L		04/15/2011 11:16			KMH
Manganese		0.995	mg/L		04/15/2011 11:16			KMH
Molybdenum		0.992	mg/L		04/15/2011 11:16			KMH
Nickel		1.01	mg/L		04/15/2011 11:16			KMH
Potassium		24.3	mg/L		04/15/2011 11:16			KMH
Selenium		0.975	mg/L		04/15/2011 11:16			KMH
Silver		0.244	mg/L		04/15/2011 11:16			KMH
Sodium		99.2	mg/L		04/15/2011 11:16			KMH
Thallium		1.04	mg/L		04/15/2011 11:16			KMH
Tin		1.02	mg/L		04/15/2011 11:16			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
Initial Calibration for Metals by 200.7								
Titanium		0.969	mg/L		04/15/2011 11:16			KMH
Vanadium		1.01	mg/L		04/15/2011 11:16			KMH
Zinc		1.02	mg/L		04/15/2011 11:16			KMH
Metals by 200.7								
Aluminum		0.680	mg/L		04/15/2011 14:14			KMH
Antimony		0.0042	mg/L	I	04/15/2011 14:14			KMH
Arsenic		0.016	mg/L		04/15/2011 14:14			KMH
Barium		0.012	mg/L		04/15/2011 14:14			KMH
Beryllium		0.00008	mg/L	I	04/15/2011 14:14			KMH
Cadmium		<0.0004	mg/L	U	04/15/2011 14:14			KMH
Calcium		68.7	mg/L		04/15/2011 14:14			KMH
Chromium		0.0024	mg/L	I	04/15/2011 14:14			KMH
Cobalt		0.0004	mg/L	I	04/15/2011 14:14			KMH
Copper		0.0044	mg/L	I	04/15/2011 14:14			KMH
Iron		0.372	mg/L		04/15/2011 14:14			KMH
Lead		<0.0017	mg/L	U	04/15/2011 14:14			KMH
Magnesium		9.94	mg/L		04/15/2011 14:14			KMH
Manganese		0.011	mg/L		04/15/2011 14:14			KMH
Molybdenum		0.013	mg/L		04/15/2011 14:14			KMH
Nickel		0.0023	mg/L	I,V,J	04/15/2011 14:14			KMH
Potassium		13.2	mg/L		04/15/2011 14:14			KMH
Selenium		<0.0046	mg/L	U	04/15/2011 14:14			KMH
Silver		<0.0007	mg/L	U	04/15/2011 14:14			KMH
Sodium		9.07	mg/L		04/15/2011 14:14			KMH
Thallium		<0.0016	mg/L	U	04/15/2011 14:14			KMH
Tin		<0.0017	mg/L	U	04/15/2011 14:14			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Nickel: V,J:method, reagent and continuing blank above MDL but below PQL. Sample result (associated with te blanks) greater than 10 times blanks results but below PQL.							
Metals by 200.7								
Titanium		0.0028	mg/L	I	04/15/2011 14:14			KMH
Vanadium		0.006	mg/L		04/15/2011 14:14			KMH
Zinc		0.028	mg/L		04/15/2011 14:14			KMH
LCS for Metals by 200.7								
Aluminum		11.0	mg/L		04/15/2011 12:18			KMH
Antimony		0.527	mg/L		04/15/2011 12:18			KMH
Arsenic		0.512	mg/L		04/15/2011 12:18			KMH
Barium		0.538	mg/L		04/15/2011 12:18			KMH
Beryllium		0.536	mg/L		04/15/2011 12:18			KMH
Cadmium		0.497	mg/L		04/15/2011 12:18			KMH
Calcium		10.9	mg/L		04/15/2011 12:18			KMH
Chromium		0.525	mg/L		04/15/2011 12:18			KMH
Cobalt		0.546	mg/L		04/15/2011 12:18			KMH
Copper		0.528	mg/L		04/15/2011 12:18			KMH
Iron		11.1	mg/L		04/15/2011 12:18			KMH
Lead		0.513	mg/L		04/15/2011 12:18			KMH
Magnesium		11.2	mg/L		04/15/2011 12:18			KMH
Manganese		0.492	mg/L		04/15/2011 12:18			KMH
Molybdenum		0.500	mg/L		04/15/2011 12:18			KMH
Nickel		0.502	mg/L		04/15/2011 12:18			KMH
Potassium		10.8	mg/L		04/15/2011 12:18			KMH
Selenium		0.483	mg/L		04/15/2011 12:18			KMH
Silver		0.490	mg/L		04/15/2011 12:18			KMH
Sodium		10.5	mg/L		04/15/2011 12:18			KMH
Thallium		0.530	mg/L		04/15/2011 12:18			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
LCS for Metals by 200.7								
Tin		0.519	mg/L		04/15/2011 12:18			KMH
Titanium		0.482	mg/L		04/15/2011 12:18			KMH
Vanadium		0.537	mg/L		04/15/2011 12:18			KMH
Zinc		0.517	mg/L		04/15/2011 12:18			KMH
RB for Metals by 200.7								
Aluminum		<0.039	mg/L	U	04/15/2011 12:04			KMH
Antimony		<0.0039	mg/L	U	04/15/2011 12:04			KMH
Arsenic		<0.0038	mg/L	U	04/15/2011 12:04			KMH
Barium		<0.0002	mg/L	U	04/15/2011 12:04			KMH
Beryllium		<0.00004	mg/L	U	04/15/2011 12:04			KMH
Cadmium		<0.0004	mg/L	U	04/15/2011 12:04			KMH
Calcium		0.029	mg/L	I	04/15/2011 12:04			KMH
Chromium		<0.0007	mg/L	U	04/15/2011 12:04			KMH
Cobalt		<0.0003	mg/L	U	04/15/2011 12:04			KMH
Copper		<0.0009	mg/L	U	04/15/2011 12:04			KMH
Iron		<0.046	mg/L	U	04/15/2011 12:04			KMH
Lead		<0.0017	mg/L	U	04/15/2011 12:04			KMH
Magnesium		<0.028	mg/L	U	04/15/2011 12:04			KMH
Manganese		<0.0004	mg/L	U	04/15/2011 12:04			KMH
Molybdenum		<0.0006	mg/L	U	04/15/2011 12:04			KMH
Nickel		0.0006	mg/L	I	04/15/2011 12:04			KMH
Potassium		0.092	mg/L	I	04/15/2011 12:04			KMH
Selenium		<0.0046	mg/L	U	04/15/2011 12:04			KMH
Silver		<0.0007	mg/L	U	04/15/2011 12:04			KMH
Sodium		0.020	mg/L	I	04/15/2011 12:04			KMH
Thallium		<0.0016	mg/L	U	04/15/2011 12:04			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
RB for Metals by 200.7								
Tin		<0.0017	mg/L	U	04/15/2011	12:04		KMH
Titanium		0.0002	mg/L	I	04/15/2011	12:04		KMH
Vanadium		<0.0005	mg/L	U	04/15/2011	12:04		KMH
Zinc		<0.0029	mg/L	U	04/15/2011	12:04		KMH
MSD Recovery for Metals by 200.7								
Aluminum		110	%		04/15/2011	14:12		KMH
Antimony		104	%		04/15/2011	14:12		KMH
Arsenic		104	%		04/15/2011	14:12		KMH
Barium		105	%		04/15/2011	14:12		KMH
Beryllium		105	%		04/15/2011	14:12		KMH
Cadmium		98.8	%		04/15/2011	14:12		KMH
Calcium		97.6	%		04/15/2011	14:12		KMH
Chromium		103	%		04/15/2011	14:12		KMH
Cobalt		106	%		04/15/2011	14:12		KMH
Copper		106	%		04/15/2011	14:12		KMH
Iron		105	%		04/15/2011	14:12		KMH
Lead		99.2	%		04/15/2011	14:12		KMH
Magnesium		103	%		04/15/2011	14:12		KMH
Manganese		96.2	%		04/15/2011	14:12		KMH
Molybdenum		98.4	%		04/15/2011	14:12		KMH
Nickel		96.7	%		04/15/2011	14:12		KMH
Potassium		106	%		04/15/2011	14:12		KMH
Selenium		97.2	%		04/15/2011	14:12		KMH
Silver		94.8	%		04/15/2011	14:12		KMH
Sodium		102	%		04/15/2011	14:12		KMH
Thallium		99.0	%		04/15/2011	14:12		KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Nickel: V,J:method, reagent and continuing blank above MDL but below PQL. Sample result (associated with te blanks) greater than 10 times blanks results but below PQL.							
MSD Recovery for Metals by 200.7								
Tin		99.8	%		04/15/2011 14:12			KMH
Titanium		101	%		04/15/2011 14:12			KMH
Vanadium		106	%		04/15/2011 14:12			KMH
Zinc		102	%		04/15/2011 14:12			KMH
MSD Result for Metals by 200.7								
Aluminum		12.2	mg/L		04/15/2011 14:25			KMH
Antimony		0.524	mg/L		04/15/2011 14:25			KMH
Arsenic		0.535	mg/L		04/15/2011 14:25			KMH
Barium		0.538	mg/L		04/15/2011 14:25			KMH
Beryllium		0.523	mg/L		04/15/2011 14:25			KMH
Cadmium		0.494	mg/L		04/15/2011 14:25			KMH
Calcium		118	mg/L		04/15/2011 14:25			KMH
Chromium		0.518	mg/L		04/15/2011 14:25			KMH
Cobalt		0.528	mg/L		04/15/2011 14:25			KMH
Copper		0.535	mg/L		04/15/2011 14:25			KMH
Iron		7.44	mg/L		04/15/2011 14:25			KMH
Lead		0.496	mg/L		04/15/2011 14:25			KMH
Magnesium		61.9	mg/L		04/15/2011 14:25			KMH
Manganese		0.492	mg/L		04/15/2011 14:25			KMH
Molybdenum		0.505	mg/L		04/15/2011 14:25			KMH
Nickel		0.486	mg/L		04/15/2011 14:25			KMH
Potassium		27.0	mg/L		04/15/2011 14:25			KMH
Selenium		0.486	mg/L		04/15/2011 14:25			KMH
Silver		0.474	mg/L		04/15/2011 14:25			KMH
Sodium		112	mg/L		04/15/2011 14:25			KMH

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**$ICPWATER-21542**	**QA Sample ID:**	**AE38448**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Analysis Comments:	Zinc analyzed on 4/20/11 at 1315.							
MSD Result for Metals by 200.7								
Thallium		0.495	mg/L		04/15/2011 14:25			KMH
Tin		0.499	mg/L		04/15/2011 14:25			KMH
Titanium		0.506	mg/L		04/15/2011 14:25			KMH
Vanadium		0.537	mg/L		04/15/2011 14:25			KMH
Zinc		0.538	mg/L		04/15/2011 14:25			KMH
Batch Name:	**AMM-21508**	**QA Sample ID:**	**AE38566**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Ammonia		29.8	mg/L	J	04/05/2011 16:58			EMM
Sample Dup for Ammonia		28.7	mg/L		04/05/2011 16:58			EMM
Dup Precision for Ammonia		3.76	%		04/05/2011 16:58			EMM
Amt Spiked for Ammonia		5.00	mg/L		04/05/2011 16:58			EMM
MS Result for Ammonia		33.9	mg/L		04/05/2011 16:58			EMM
MS Recovery for Ammonia		82.0	%		04/05/2011 16:58			EMM
Cont Calb Rec for Ammonia		96.7	%		04/06/2011 10:35			EMM
Continuing Cal. Blank for Ammonia		<0.018	mg/L	U	04/06/2011 10:35			EMM
Method Blank for Ammonia		<0.018	mg/L	U	04/06/2011 10:35			EMM
Continuous Calibration for Ammonia		0.967	mg/L		04/06/2011 10:35			EMM
ICV for Ammonia		0.515	mg/L		04/05/2011 16:30			EMM
ICV Rec for Ammonia		103	%		04/05/2011 16:30			EMM
Batch Name:	**CBOD-21477**	**QA Sample ID:**	**AE37556**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Method Blank for Carbonaceous BOD (5 day		<0.200	mg/L	U	04/05/2011 14:52			IR/AC
Analysis Comments:	J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation (qc standard with high % recovery).							
Carbonaceous BOD (5 day)		4.12	mg/L	J	04/05/2011 14:52			IR/AC
Analysis Comments:	J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation (qc standard with high % recovery).							

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name: **CBOD-21477**		**QA Sample ID:** **AE37556**						
Samples **AE37556 AE37557 AE37558 AE37559**								
Sample Dup for CBOD		4.00	mg/L		04/05/2011 14:52			IR/AC
Analysis Comments:	J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation (qc standard with high % recovery).							
Initial Calibration for CBOD		258	mg/L		04/05/2011 14:52			IR/AC
Analysis Comments:	J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation (qc standard with high % recovery).							
Int Calb Rec for CBOD		130	%		04/05/2011 14:52			IR/AC
Analysis Comments:	J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation (qc standard with high % recovery).							
Samp Dup Precision for CBOD		2.96	%		04/05/2011 14:52			IR/AC
Analysis Comments:	J : Estimated value due to QCS associated with the sample failed to meet established criteria for accuracy evaluation (qc standard with high % recovery).							
Batch Name: **COD-21524**		**QA Sample ID:** **AE38310**						
Samples **AE37556 AE37557 AE37558 AE37559**								
Amt Spiked for COD		500	mg/L		04/06/2011 15:08			EMM
Method Blank for COD		<6.03	mg/L	U	04/11/2011 13:34			EMM
CCB for COD		<6.03	mg/L	U	04/11/2011 13:34			EMM
CCVfor COD		1020	mg/L		04/11/2011 13:34			EMM
CCV Conc for COD		1000	mg/L		04/11/2011 13:34			EMM
CCV Rec for COD		102	%		04/11/2011 13:34			EMM
Chemical Oxygen Demand		285	mg/L		04/06/2011 15:08			EMM
Sample Dup for COD		281	mg/L		04/06/2011 15:08			EMM
ICV for COD		332	mg/L		04/06/2011 15:08			EMM
ICV Conc for COD		343	mg/L		04/11/2011 13:34			EMM
ICV Rec for COD		96.8	%		04/06/2011 15:08			EMM
Samp Dup Precision for COD		1.41	%		04/06/2011 15:08			EMM
MS Recovery for COD		93.4	%		04/06/2011 15:08			EMM
MS Result for COD		752	mg/L		04/06/2011 15:08			EMM
Batch Name: **FC-21476**		**QA Sample ID:** **AE37556**						
Samples **AE37556 AE37557 AE37558 AE37559**								

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name: FC-21476		**QA Sample ID: AE37556**						
Samples AE37556 AE37557 AE37558 AE37559								
Method Blank for Fecal Coliforms		<1	cfu/100 ml		04/01/2011	13:56		AMC/AC
Analysis Comments:	Z :Too numerous to be count.							
Cont. Cal. Blank for Fecal Coliforms		4	cfu/100 ml	U	04/03/2011	14:30		AMC/IR/A
Analysis Comments:	Z :Too numerous to be count.							
Sample Dup for Fecal Coliforms		<1	cfu/100 ml	U	04/01/2011	13:56		AMC/AC
Analysis Comments:	Z :Too numerous to be count.							
Fecal Coliforms		<1	cfu/100 ml	U	04/01/2011	13:56		AMC/AC
Analysis Comments:	Z :Too numerous to be count.							
Samp Dup Precision for Fecal Coliforms		Pass	%		04/01/2011	13:56		AMC/AC
Analysis Comments:	Z :Too numerous to be count.							
Batch Name: FC-21507		**QA Sample ID: AE38472**						
Samples AE38472								
Method Blank for Fecal Coliforms		<1	cfu/100 ml	U	04/07/2011	12:47		AMC/AC
Analysis Comments:	Z :Too numerous to be count.							
Cont. Cal. Blank for Fecal Coliforms		<1	cfu/100 ml	U	04/07/2011	12:47		AMC/AC
Analysis Comments:	Z :Too numerous to be count.							
Sample Dup for Fecal Coliforms		720	cfu/100 ml		04/07/2011	12:47		AMC/AC
Analysis Comments:	Z :Too numerous to be count.							
Fecal Coliforms		720	cfu/100 ml		04/07/2011	12:47		AMC/AC
Analysis Comments:	Z :Too numerous to be count.							
Samp Dup Precision for Fecal Coliforms		Pass	%		04/07/2011	12:47		AMC/AC
Analysis Comments:	Z :Too numerous to be count.							
Batch Name: NO2-21479		**QA Sample ID: AE38464**						
Samples AE37556 AE37557 AE37558 AE37559								
Amt Spiked for Nitrite		0.250	mg/L		04/01/2011	15:31		IR
Method Blank for Nitrite		<0.0006	mg/L	U	04/01/2011	15:31		IR
CCB for Nitrite		<0.0006	mg/L	U	04/01/2011	15:31		IR
CCV for Nitrite		0.496	mg/L		04/01/2011	15:31		IR
Cont Calb Rec for Nitrite as N		99.2	%		04/01/2011	15:31		IR
Sample Dup for Nitrite		0.089	mg/L		04/01/2011	15:31		IR
ICV for Nitrite		0.250	mg/L		04/01/2011	15:31		IR
ICV Rec for Nitrite		100	%		04/01/2011	15:31		IR
Nitrite		0.088	mg/L		04/01/2011	15:31		IR
Dup Precision for Nitrite		1.13	%		04/01/2011	15:31		IR
MS Rec for Nitrite		92.8	%		04/01/2011	15:31		IR

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name:	**NO2-21479**	**QA Sample ID:**	**AE38464**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
MS Result for Nitrite		0.320	mg/L		04/01/2011 15:31			IR
Batch Name:	**NOX-21505**	**QA Sample ID:**	**AE38470**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Amt Spiked for NOX		25.0	mg/L		04/04/2011 14:27			EMM
Method Blank for NOX		<0.008	mg/L	U	04/05/2011 12:26			EMM
CCB for NOX		<0.008	mg/L	U	04/05/2011 12:26			EMM
CCV for NOX		10.0	mg/L		04/05/2011 12:26			EMM
CCV Recovery for NOX		100	%		04/05/2011 12:26			EMM
Sample Dup for NOX		12.0	mg/L		04/04/2011 14:27			EMM
ICV for NOX		0.260	mg/L		04/04/2011 14:54			EMM
ICV Recovery for NOX		104	%		04/04/2011 14:54			EMM
Nitrate-Nitrite		12.0	mg/L		04/04/2011 14:27			EMM
Dup Precision for NOX		0.00	%		04/04/2011 14:27			EMM
MS Rec for NOX		103	%		04/04/2011 14:27			EMM
Matrix Spike for NOX		37.8	mg/L		04/04/2011 14:27			EMM
Batch Name:	**TDS-21494**	**QA Sample ID:**	**AE37557**					
Samples	**AE37556 AE37557 AE37558 AE37559**							
Method Blank for TDS		<10.0	mg/L	U	04/06/2011 13:07			AMC/AC
Sample Dup for TDS		574	mg/L		04/06/2011 13:07			AMC/AC
Initial Calibration for TDS		988	mg/L		04/06/2011 13:07			AMC/AC
Int Calb Conc for TDS		970	mg/L		04/06/2011 13:07			AMC/AC
Int Calb Rec for TDS		102	%		04/06/2011 13:07			AMC/AC
Samp Dup Precision for TDS		Pass	%		04/06/2011 13:08			AMC
Total Dissolved Solids		571	mg/L		04/06/2011 13:07			AMC/AC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name: TKN-21497		**QA Sample ID: AE38324**						
Samples AE37556 AE37557 AE37558 AE37559								
Amt Spiked for TKN		30.0	mg/L		04/05/2011 10:57			EMM
Method Blank for TKN		<0.044	mg/L	U	04/05/2011 12:16			EMM
CCB for TKN		<0.044	mg/L	U	04/05/2011 12:16			EMM
CCV for TKN		2.88	mg/L		04/05/2011 12:16			EMM
CCV Recovery for TKN		96.0	%		04/05/2011 12:16			EMM
Sample Dup for TKN		66.3	mg/L		04/05/2011 10:57			EMM
ICV for TKN		1.48	mg/L		04/05/2011 10:57			EMM
ICV Recovery for TKN		98.7	%		04/05/2011 10:57			EMM
Dup Precision for TKN		2.29	%		04/05/2011 10:57			EMM
MS Recovery for TKN		94.7	%		04/05/2011 10:57			EMM
MS Result for TKN		93.2	mg/L		04/05/2011 10:57			EMM
Total Kjeldahl Nitrogen		64.8	mg/L		04/05/2011 10:57			EMM
Batch Name: TKN-21639		**QA Sample ID: AE38664**						
Samples AE37559								
Amt Spiked for TKN		37.5	mg/L		04/21/2011 09:18			EMM
Method Blank for TKN		<0.044	mg/L	U	04/21/2011 09:18			EMM
CCB for TKN		<0.044	mg/L	U	04/21/2011 09:18			EMM
CCV for TKN		3.01	mg/L		04/21/2011 09:18			EMM
CCV Recovery for TKN		100	%		04/21/2011 09:18			EMM
Sample Dup for TKN		30.0	mg/L		04/21/2011 09:18			EMM
ICV for TKN		1.38	mg/L		04/21/2011 09:18			EMM
ICV Recovery for TKN		92.0	%		04/21/2011 09:18			EMM
Dup Precision for TKN		2.36	%		04/21/2011 09:18			EMM
MS Recovery for TKN		91.7	%		04/21/2011 09:18			EMM
MS Result for TKN		63.7	mg/L		04/21/2011 09:18			EMM
Total Kjeldahl Nitrogen		29.3	mg/L		04/21/2011 09:18			EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name: TOC-21544		**QA Sample ID: AE38508**						
Samples AE37556 AE37558								
Method Blank for TOC		<0.072	mg/L	U	04/11/2011	11:25		EMM
Cont. Cal. Blank for TOC		<0.072	mg/L	U	04/11/2011	11:25		EMM
Cont Cal TOC		9.92	mg/L		04/11/2011	11:25		EMM
Cont Calb Rec for TOC		99.2	%		04/11/2011	11:25		EMM
Dup for TOC		1.35	mg/L		04/11/2011	11:25		EMM
ICV for TOC		4.76	mg/L		04/11/2011	11:25		EMM
ICV Rec for TOC		95.2	%		04/11/2011	11:25		EMM
Dup Precision for TOC		0.738	%		04/11/2011	11:25		EMM
MS Recovery for TOC		93.0	%		04/11/2011	11:25		EMM
MS Result for TOC		6.01	mg/L		04/11/2011	11:25		EMM
Total Organic Carbon		1.36	mg/L		04/11/2011	11:25		EMM
Batch Name: TOC-21545		**QA Sample ID: AE38509**						
Samples AE37557 AE37558 AE37559								
MS Recovery for TOC		95.6	%		04/18/2011	08:37		AC
MS Result for TOC		6.60	mg/L		04/18/2011	08:37		AC
Total Organic Carbon		1.82	mg/L		04/18/2011	08:37		AC
Batch Name: TOC-21617		**QA Sample ID: AE38509**						
Samples AE37557 AE37559								
MS Recovery for TOC		95.6	%		04/18/2011	08:37		AC
MS Result for TOC		6.60	mg/L		04/18/2011	08:37		AC
Total Organic Carbon		1.82	mg/L		04/18/2011	08:37		AC
Batch Name: TOC-21617A		**QA Sample ID: AE38420**						
Samples AE37557 AE37559								
Method Blank for TOC		<0.072	mg/L	U	04/18/2011	08:37		AC
Cont. Cal. Blank for TOC		<0.072	mg/L	U	04/18/2011	08:37		AC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name: TOC-21617A		**QA Sample ID: AE38420**						
Samples AE37557 AE37559								
Cont Cal TOC		10.0	mg/L		04/18/2011 08:37			AC
Cont Calb Rec for TOC		100	%		04/18/2011 08:37			AC
Dup for TOC		1.27	mg/L		04/18/2011 08:37			AC
ICV for TOC		4.75	mg/L		04/18/2011 08:37			AC
ICV Rec for TOC		95.0	%		04/18/2011 08:37			AC
Dup Precision for TOC		2.33	%		04/13/2011 15:34			AC
Total Organic Carbon		1.30	mg/L		04/13/2011 15:34			AC
Batch Name: T-P-21651		**QA Sample ID: AE38408**						
Samples AE37556 AE37557 AE37558 AE37559								
Amt Spiked for Total Phosphate		4.00	mg/L		04/22/2011 09:05			EMM
Method Blank for Total Phosphate		0.004	mg/L	I	04/22/2011 09:05			EMM
CCB for Total Phosphate		0.003	mg/L	I	04/22/2011 09:05			EMM
CCV for Total Phosphate		1.02	mg/L		04/22/2011 09:05			EMM
CCV Recovery for Total Phosphate		102	%		04/22/2011 09:05			EMM
Sample Dup for Total Phosphate		4.68	mg/L		04/22/2011 09:05			EMM
ICV for Total Phosphate		0.491	mg/L		04/22/2011 09:05			EMM
ICV Recovery for Total Phosphate		98.2	%		04/22/2011 09:05			EMM
Dup Precision for Total Phosphate		9.56	%		04/22/2011 09:05			EMM
MS Rec for Total Phosphate		92.2	%		04/22/2011 09:05			EMM
MS Result for Total Phosphate		8.84	mg/L		04/22/2011 09:05			EMM
Total Phosphate as P		5.15	mg/L		04/22/2011 09:05			EMM
Batch Name: TSS-21486		**QA Sample ID: AE38454**						
Samples AE37557 AE37558 AE37559								
Sample Dup for TSS		<1.00	mg/L	U	04/01/2011 14:42			AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							
Samp Dup Precision for TSS		Pass	%		04/01/2011 14:43			AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name: TSS-21486		**QA Sample ID: AE38454**						
Samples AE37557 AE37558 AE37559								
Total Suspended Solids		<1.00	mg/L	U	04/01/2011	14:42		AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							
Batch Name: TSS-21511		**QA Sample ID: AE38568**						
Samples AE38535								
Method Blank for TSS		<1.00	mg/L	U	04/05/2011	15:02		AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							
Sample Dup for TSS		264	mg/L		04/05/2011	15:02		AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							
Initial Calibration for TSS		97.0	mg/L		04/05/2011	15:02		AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							
Int Calb Conc for TSS		96.6	mg/L		04/05/2011	15:02		AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							
Int Calb Rec for TSS		100	%		04/05/2011	15:02		AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							
Samp Dup Precision for TSS		Pass	%		04/05/2011	15:04		AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							
Total Suspended Solids		256	mg/L		04/05/2011	15:02		AC
Analysis Comments:	Analysis not performed. Inadequate amount provided.							

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst

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 ysed only if the colony count is generated from a plate in which the total number of coliform colonies exceeds 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 quanitation 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 blamk 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 should not be used since some or all quality control data for the analyte 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 valu
+ when the field or laboratory calibrations or calibration verifications did not meet calibration acceptance criteria.

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst

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Manatee County Utility Operations Central Lab
4751 66th St. W.
Bradenton, FL 34210

April 8, 2011
Work Order: 1102486

Laboratory Report

Project Name **Lena Rd County LF-Surface Water**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Sample Description		Field Blank						
Matrix		Reagent Water						
SAL Sample Number		1102486-03						
Date/Time Collected		03/31/11 11:30						
Collected by		Client						
Date/Time Received		04/01/11 13:59						
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/11 14:24	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:24	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/11 14:24	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/11 14:24	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/11 14:24	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/11 14:24	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:24	JRW
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/11 14:24	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/11 14:24	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 14:24	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/11 14:24	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/11 14:24	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:24	JRW
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/05/11 09:45	04/06/11 05:17	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/05/11 09:45	04/06/11 05:17	BTJ
Inorganics								
Chlorophyll a, Corrected	ug/L	2.0 U	SM 10200H	8.0	2.0	04/01/11 16:15	04/07/11 15:45	SMD
Metals								
Mercury	ug/L	0.0029	EPA 1631	0.00040	0.00020	04/06/11 09:34	04/06/11 15:00	VWC

FDOH Laboratory No.E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

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Manatee County Utility Operations Central Lab
4751 66th St. W.
Bradenton, FL 34210

April 8, 2011
Work Order: 1102486

Laboratory Report

Project Name		**Lena Rd County LF-Surface Water**						
Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**By**
Sample Description		**Field Duplicate SW-1**						
Matrix		**Surface Water**						
SAL Sample Number		**1102486-04**						
Date/Time Collected		**03/31/11 11:30**						
Collected by		**Client**						
Date/Time Received		**04/01/11 13:59**						
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/11 14:58	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/11 14:58	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 14:58	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/11 14:58	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/11 14:58	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:58	JRW
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/05/11 09:45	04/06/11 05:39	BTJ
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/05/11 09:45	04/06/11 05:39	BTJ
Inorganics								
Chlorophyll a, Corrected	ug/L	5.2 I	SM 10200H	8.0	2.0	04/01/11 16:15	04/07/11 15:45	SMD
Metals								
Mercury	ug/L	0.00035 I	EPA 1631	0.00040	0.00020	04/06/11 09:34	04/06/11 15:00	VWC

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Manatee County Utility Operations Central Lab
4751 66th St. W.
Bradenton, FL 34210

April 8, 2011
Work Order: 1102486

Laboratory Report

Project Name		**Lena Rd County LF-Surface Water**						
Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**By**
Sample Description		**Stormwater Overflow@South Weir (SW-2) AE 37557**						
Matrix		**Surface Water**						
SAL Sample Number		**1102486-02**						
Date/Time Collected		**03/31/11 11:00**						
Collected by		**Client**						
Date/Time Received		**04/01/11 13:59**						
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/05/11 09:45	04/06/11 04:56	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/05/11 09:45	04/06/11 04:56	BTJ
Inorganics								
Chlorophyll a, Corrected	ug/L	2.0 U	SM 10200H	8.0	2.0	04/01/11 16:15	04/07/11 15:45	SMD
Metals								
Mercury	ug/L	0.0038	EPA 1631	0.00040	0.00020	04/06/11 09:34	04/06/11 15:00	VWC
Sample Description		**Field Blank**						
Matrix		**Reagent Water**						
SAL Sample Number		**1102486-03**						
Date/Time Collected		**03/31/11 11:30**						
Collected by		**Client**						
Date/Time Received		**04/01/11 13:59**						
Volatile Organic Compounds								
Acetone	ug/L	4.4	EPA 8260	4.0	2.0		04/04/11 14:24	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/11 14:24	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:24	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:24	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/11 14:24	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/11 14:24	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:24	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 14:24	JRW
Chloroform	ug/L	0.2 I	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 14:24	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:24	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:24	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/11 14:24	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:24	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:24	JRW

FDOH Laboratory No.E84129
NELAP Accredited

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Leslie C. Boardman, Q.A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Manatee County Utility Operations Central Lab
4751 66th St. W.
Bradenton, FL 34210

April 8, 2011
Work Order: 1102486

Laboratory Report

Project Name		**Lena Rd County LF-Surface Water**						
Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**By**
Sample Description		Field Duplicate SW-1						
Matrix		Surface Water						
SAL Sample Number		1102486-04						
Date/Time Collected		03/31/11 11:30						
Collected by		Client						
Date/Time Received		04/01/11 13:59						
Volatile Organic Compounds								
Acetone	ug/L	2.3 I	EPA 8260	4.0	2.0		04/04/11 14:58	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/11 14:58	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:58	JRW
Bromochloromethane	ug/L	0.6 I	EPA 8260	0.8	0.1		04/04/11 14:58	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/11 14:58	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/11 14:58	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:58	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 14:58	JRW
Chloroform	ug/L	0.5 I	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 14:58	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:58	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:58	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/11 14:58	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:58	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/11 14:58	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:58	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/11 14:58	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/11 14:58	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Methylene Chloride	ug/L	0.3 I	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/11 14:58	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/11 14:58	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 14:58	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 14:58	JRW

FDOH Laboratory No.E84129
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Manatee County Utility Operations Central Lab
4751 66th St. W.
Bradenton, FL 34210

April 8, 2011
Work Order: 1102486

Laboratory Report

Project Name **Lena Rd County LF-Surface Water**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Sample Description		**Stormwater Overflow@North Weir (SW-1) AE 37556**						
Matrix		**Surface Water**						
SAL Sample Number		**1102486-01**						
Date/Time Collected		**03/31/11 11:30**						
Collected by		**Client**						
Date/Time Received		**04/01/11 13:59**						
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/11 12:42	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/11 12:42	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 12:42	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/11 12:42	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/11 12:42	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 12:42	JRW
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	04/05/11 09:45	04/06/11 04:35	BTJ
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	04/05/11 09:45	04/06/11 04:35	BTJ
Inorganics								
Chlorophyll a, Corrected	ug/L	5.5 I	SM 10200H	8.0	2.0	04/01/11 16:15	04/07/11 15:45	SMD
Metals								
Mercury	ug/L	0.0033	EPA 1631	0.00040	0.00020	04/06/11 09:34	04/06/11 15:00	VWC
Sample Description		**Stormwater Overflow@South Weir (SW-2) AE 37557**						
Matrix		**Surface Water**						
SAL Sample Number		**1102486-02**						
Date/Time Collected		**03/31/11 11:00**						
Collected by		**Client**						
Date/Time Received		**04/01/11 13:59**						
Volatile Organic Compounds								
Acetone	ug/L	2.2 I	EPA 8260	4.0	2.0		04/04/11 13:50	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/11 13:50	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 13:50	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 13:50	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/11 13:50	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/11 13:50	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW

FDOH Laboratory No.E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

ACCREDITED IN ACCORDANCE WITH nelac

Manatee County Utility Operations Central Lab
4751 66th St. W.
Bradenton, FL 34210

April 8, 2011
Work Order: 1102486

Laboratory Report

Project Name **Lena Rd County LF-Surface Water**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Sample Description		Stormwater Overflow@South Weir (SW-2) AE 37557						
Matrix		Surface Water						
SAL Sample Number		1102486-02						
Date/Time Collected		03/31/11 11:00						
Collected by		Client						
Date/Time Received		04/01/11 13:59						
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 13:50	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 13:50	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 13:50	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 13:50	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 13:50	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/11 13:50	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 13:50	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/11 13:50	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 13:50	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/11 13:50	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/11 13:50	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/11 13:50	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/11 13:50	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 13:50	JRW
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/11 13:50	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/11 13:50	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 13:50	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/11 13:50	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/11 13:50	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 13:50	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 13:50	JRW

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

ACCREDITED IN ACCORDANCE WITH nelac

Manatee County Utility Operations Central Lab
4751 66th St. W.
Bradenton, FL 34210

April 8, 2011
Work Order: 1102486

Laboratory Report

Project Name **Lena Rd County LF-Surface Water**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Sample Description		Stormwater Overflow@North Weir (SW-1) AE 37556						
Matrix		Surface Water						
SAL Sample Number		1102486-01						
Date/Time Collected		03/31/11 11:30						
Collected by		Client						
Date/Time Received		04/01/11 13:59						
Volatile Organic Compounds								
Acetone	ug/L	4.6	EPA 8260	4.0	2.0		04/04/11 12:42	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/11 12:42	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 12:42	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 12:42	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/11 12:42	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/11 12:42	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 12:42	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 12:42	JRW
Chloroform	ug/L	0.6 I	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/11 12:42	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 12:42	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 12:42	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/11 12:42	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 12:42	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/11 12:42	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 12:42	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/11 12:42	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/11 12:42	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/11 12:42	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/11 12:42	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/11 12:42	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/11 12:42	JRW

FDOH Laboratory No.E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1102486

Client Name	Contact / Phone:
Manatee County Utility Operations	Jeff Goodwin 941/792-8811 ext. 5235
Project Name / Location: Lena Rd County LF - Surface Water	
Samplers: (Signature) David E Wolfe	

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	PARAMETER / CONTAINER DESCRIPTION: 1LaP, Cool 4°C Chlorophyll a	40mL V, HCl Appendix I: 8260	40mL V, Cool EPA 8011* Appendix I: 8011	250 ml G LL Hg Kit Hg-1631
01	Stormwater Overflow@North Weir (SW-1) AE 37556	3-31-11	1130	SW		X	1	3	3	1
02	Stormwater Overflow@South Weir (SW-2) AE 37557	3-31-11	1100	SW		X	1	3	3	1
04 (03)	Field Duplicate - AE 37559	3-31-11	1130	SW		X	1	3	3	1
03 (04)	Field Blank AE 37558	3-31-11	1045	R		X	1	3	3	1
05	Trip Blank	3-22-11	1800	R		X		1		

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
	3-22-11 1430		3-31-11 1045
Relinquished:	Date/Time:	Received:	Date/Time:
	3-31-11 1235		3-31-11 1240
Relinquished:	Date/Time:	Received:	Date/Time:
	4-1-11 1024		
Relinquished:	Date/Time:	Received:	Date/Time:
	4-1-11	David E. Wolfe	4-1-11 1024
Relinquished:	Date/Time:	Received:	Date/Time:
David E. Wolfe	4-1-11 1359		

Seal intact? Y N (N/A)
Samples intact upon arrival? (Y) N N/A
Received on ice? Temp 2.1 (Y) N N/A
Proper preservatives indicated? (Y) N N/A
Rec'd within holding time? (Y) N N/A
Volatiles rec'd w/out headspace? Y N (N/A)
Proper containers used? (Y) N N/A

Instructions / Remarks

40 CFR Part 258 Appendix I Volatiles
*EPA 8011: EDB and DBCP only!

1102486

Chain of Custody.xls
Rev.Date 11/19/01

Chain of Custody

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

Manatee County Utility Operations Central Lab
4751 66th St. W.
Bradenton, FL 34210

April 8, 2011
Work Order: 1102486

* Qualifiers, Notes and Definitions

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limts and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with **, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below. Questions regarding this report should be directed to Client Services at 813-855-1844.

HERN ANALYTICAL LABORATORIES, INC.

W BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1102486

Manatee County Utility Operations

Contact / Phone: Jeff Goodwin 941/792-8811 ext. 5235

/ Location: Lena Rd County LF - Surface Water

ignature) Daniel E Wolfe

Matrix Codes: -Drinking Water WW-Wastewater -SurfaceWater SL-Sludge SO-Soil roundwater SA-Saline Water O-Other R-Reagent Water

Sample Description	Date	Time	Matrix	Composite	Grab	PARAMETER / CONTAINER DESCRIPTION: 1LaP, Cool 4°C Chlorophyll a	40mL V, HCl Appendix I: 8260	40mL V, Cool EPA 8011* Appendix I: 8011	250 ml G LL Hg Kit Hg-1631					
AE 37556 water Overflow@North Weir (SW-1)	3-31-11	1130	SW		X	1	3	3	1					
AE 37557 water Overflow@South Weir (SW-2)	3-31-11	1100	SW		X	1	3	3	1					
Duplicate - AE 37559	3-31-11	1130	SW		X	1	3	3	1					
Blank AE 37558	3-31-11	1045	R		X	1	3	3	1					
ank	3-22-11	1300	R		X		1							

ired/	Date/Time	Received:	Date/Time:
	3-22-11 1430		
	3-31-11 1235		3-31-11 1700
	4-1-11 1024		
	4-1-11	Daniel E. Wolfe	4-1-11 1024
E. Wolfe	4-1-11 1359		

Seal intact? Y N (N/A)

Samples intact upon arrival? (Y) N N/A

Received on ice? Temp 2.1 (Y) N N/A

Proper preservatives indicated? (Y) N N/A

Rec'd w ithin holding time? (Y) N N/A

Volatiles rec'd w /out headspace? Y N (N/A)

Proper containers used? (Y) N N/A

Instructions / Remarks

40 CFR Part 258 Appendix I Volatiles
***EPA 8011: EDB and DBCP only!**

1102486

Chain of Custody

CHAIN OF CUSTODY RECORD

Sampler Signature: [signature] Print Name: Peter Mitchell

3/30/2011 3:02:17 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: 9

Temperature: 1

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1130	AE37556	GW	Lena Road Surface Water 1	1 L Amber Glass unpres; Grab	1		Chlorophyll A
3-31-11	1130	AE37556	GW	Lena Road Surface Water 1	40 ml glass w/HCl; Grab	6		$2581VOCS-CONTRACT $8011VOCS-CONTRACT
3-31-11	1130	AE37556	GW	Lena Road Surface Water 1	HDPE unpres.; Grab/Comp.	1		CBOD TSS
3-31-11	1130	AE37556	GW	Lena Road Surface Water 1	Amber glass w/H2SO4; Grab/Comp.	1	✓	COD TOC

	Signature	Print Name	Company	Date	Time
Relinquished By:	[signature]	Peter Mitchell	Industrial compliance	3.31.11	1235
Received By:	[signature]	BOMARDA	MCUD	3-31-11	1240
Relinquished By:					
Received By:					

Comments:

CHAIN OF CUSTODY RECORD

Sampler Signature: [signature] Print Name: Peter Mitchell

3/30/2011 3:02:17 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: 4

Temperature:

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1130	AE37556	GW	Lena Road Surface Water 1	HDPE w/H2SO4 pres.; Grab/Comp.	1	✓	AMM TKN UNAMM TOTN
3-31-11	1130	AE37556	GW	Lena Road Surface Water 1	HDPE unpreserved; Grab/Comp.	1		TDS
3-31-11	1130	AE37556	GW	Lena Road Surface Water 1	HDPE w/H2SO4; Grab/Comp.	1	✓	T-P
3-31-11	1130	AE37556	GW	Lena Road Surface Water 1	HDPE unpres.; Grab/Comp.	1		NO3IC NO2IC

	Signature	Print Name	Company	Date	Time
Relinquished By:	[signature]	Peter Mitchell	Industrial compliance	3-31-11	1235
Received By:	[signature]	[illegible]	MCU	3-31-11	12:40
Relinquished By:					
Received By:					

Comments:

CHAIN OF CUSTODY RECORD

ampler Signature: Print Name: Peter Mitchell

3/30/2011 3:02:17 PM

lanatee County Utilities
entral Laboratory
751 66th Street West
radenton, FL 34210

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

Total Number of Containers: 3

Temperature: /

lection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
-31-11	1130	AE37556	GW	Lena Road Surface Water 1	HDPE w/HNO3; Grab/Comp.	1	/	$ICPWATER HARD
-31-11	1130	AE37556	GW	Lena Road Surface Water 1	HDPE w/HNO3; Grab/Comp.	1	/	HG
-31-11	1130	AE37556	GW	Lena Road Surface Water 1	300 ml plastic bag; Grab	1		FC

	Signature	Print Name	Company	Date	Time
ished By:		Peter Mitchell	Industrial Compliance	3-31-11	1235
d By:		[illegible]	MCU	3-31-11	[illegible]
ished By:					
d By:					

ents:

CHAIN OF CUSTODY RECORD

Sampler Signature: [signature] Print Name: Peter Mitchell

3/31/2011 8:46:51 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: 9

Temperature: 1°

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	40 ml glass w/HCl; Grab	6		$2581VOCS-CONTRACT $8011VOCS-CONTRACT
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	HDPE unpres.; Grab/Comp.	1		CBOD TSS
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	Amber glass w/H2SO4; Grab/Comp.	1	✓	TOC COD
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	HDPE w/H2SO4 pres.; Grab/Comp.	1	✓	UNAMM AMM TOTN TKN

	Signature	Print Name	Company	Date	Time
Relinquished By:	[signature]	Peter Mitchell	Industrial compliance	3-31-11	1235
Received By:	[signature]	[signature]	[signature]	3-31-11	12:40
Relinquished By:					
Received By:					

Comments:

CHAIN OF CUSTODY RECORD

Sampler Signature: [signature]

Print Name: Peter Mitchell

3/31/2011 8:46:51 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: 4

Temperature: [illegible]°C

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	HDPE unpreserved; Grab/Comp.	1		TDS
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	HDPE w/H2SO4; Grab/Comp.	1	✓	T-P
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	HDPE unpres.; Grab/Comp.	1		NO3IC NO2IC
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	HDPE w/HNO3; Grab/Comp.	1	✓	$ICPWATER HARD

	Signature	Print Name	Company	Date	Time
Relinquished By:	[signature]	Peter Mitchell	FWD Industrial compliance	3-31-11	1235
Received By:	[signature]	[illegible]	MCUD	3/31/11	12:40
Relinquished By:					
Received By:					

Comments:

CHAIN OF CUSTODY RECORD

Sampler Signature: [signature] Print Name: Peter Mitchell

3/31/2011 8:46:51 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: 3

Temperature:

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	HDPE w/HNO3; Grab/Comp.	1	✓	HG
3-31-11	1045	AE37558	GW	Lena Road Surface Water Field Blank	300 ml plastic bag; Grab	1		FC
		AE37558	GW	Lena Road Surface Water Field Blank	1 L Amber Glass unpres; Grab	1		CHLOROA-CONTRACT

	Signature	Print Name	Company	Date	Time
Relinquished By:	[signature]	Peter Mitchell	Industrial compliance	3-31-11	1235
Received By:	[signature]	[illegible]	MCUD	3-31-11	[illegible]
Relinquished By:					
Received By:					

Comments:

CHAIN OF CUSTODY RECORD

Sampler Signature: Paul E Wells

Print Name: David E Wells

3/30/2011 2:52:07 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: 9

Temperature: 1.0

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	1 L Amber Glass unpres; Grab	1		Chlorophyll A
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	40 ml glass w/HCl; Grab	6		$2581VOCS-CONTRACT $8011VOCS-CONTRACT
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	HDPE unpres.; Grab/Comp.	1		CBOD TSS
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	Amber glass w/H2SO4; Grab/Comp.	1	✓	COD TOC

	Signature	Print Name	Company	Date	Time
Relinquished By:	Paul E Wells	David E Wells	Industrial Compliance	3-31-11	1235
Received By:		ECAMPOS	MCUD	3-31-11	1211
Relinquished By:					
Received By:					

Comments: Ph 6.3

CHAIN OF CUSTODY RECORD

Sampler Signature: David E Wells

Print Name: DAVID E WELLS

3/30/2011 2:52:07 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: 6

Temperature: 1

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	HDPE w/H2SO4 pres.; Grab/Comp.	1	✓	AMM TKN UNAMM TOTN
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	HDPE unpreserved; Grab/Comp.	1		TDS
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	HDPE w/H2SO4; Grab/Comp.	1	✓	T-P
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	HDPE unpres.; Grab/Comp.	1		NO3IC NO2IC

	Signature	Print Name	Company	Date	Time
Relinquished By:	David E Wells	DAVID E WELLS	INDUSTRIAL Compliance	3-31-11	1235
Received By:		Ed Camara	MCUD	3-31-11	1240
Relinquished By:					
Received By:					

Comments:

CHAIN OF CUSTODY RECORD

Sampler Signature: [signature]

Print Name: DAVID E WELLS

3/30/2011 2:52:07 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: 3

Temperature: 1

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	HDPE w/HNO3; Grab/Comp.	1	✓	$ICPWATER HARD
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	HDPE w/HNO3; Grab/Comp.	1	✓	HG
3-31-11	1130	AE37559	GW	Lena Road Surface Water Field Duplicate	300 ml plastic bag; Grab	1		FC

	Signature	Print Name	Company	Date	Time
Relinquished By:	[signature]	DAVID E WELLS	INDUSTRIAL Compliance	3-31-11	1235
Received By:	[signature]	[illegible]	MCUD	3-31-11	12:46
Relinquished By:					
Received By:					

Comments:

CHAIN OF CUSTODY RECORD

Sampler Signature: David E Wells

Print Name: DAVID E WELLS

3/31/2011 8:43:23 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: 9

Temperature: 1

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	40 ml glass w/HCl; Grab	6		$2581VOCS-CONTRACT $8011VOCS-CONTRACT
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	HDPE unpres.; Grab/Comp.	1		CBOD TSS
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	Amber glass w/H2SO4; Grab/Comp.	1	✓	TOC COD
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	HDPE w/H2SO4 pres.; Grab/Comp.	1	✓	UNAMM AMM TOTN TKN

	Signature	Print Name	Company	Date	Time
Relinquished By:	David E Wells	DAVID E WELLS	INDUSTRIAL COMPLIANCE	3-31-11	1235
Received By:	[illegible]	[illegible]	MCUD	3-31-11	12:46
Relinquished By:					
Received By:					

Comments: ph 5.5

CHAIN OF CUSTODY RECORD

Sampler Signature: David E Wells

Print Name: DAVID E wells

3/31/2011 8:43:23 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: 4

Temperature: 1

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	HDPE unpreserved; Grab/Comp.	1		TDS
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	HDPE w/H2SO4; Grab/Comp.	1	✓	T-P
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	HDPE unpres.; Grab/Comp.	1		NO3IC NO2IC
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	HDPE w/HNO3; Grab/Comp.	1	✓	$ICPWATER HARD

	Signature	Print Name	Company	Date	Time
Relinquished By:	David E Wells	DAVID E wells	Industrial Compliance	3-31-11	1235
Received By:	[illegible]	[illegible]	MCU	3-31-11	12:40
Relinquished By:					
Received By:					

Comments:

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. _____

Client Name	Contact / Phone:
Manatee County Utility Operations	Jeff Goodwin 941/792-8811 ext. 5235
Project Name / Location: Lena Rd County LF - Surface Water	
Samplers: (Signature) David E Wolfe	

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	PARAMETER / CONTAINER DESCRIPTION: 1LaP, Cool 4°C Chlorophyll a	40mL V, HCl Appendix I: 8260	40mL V, Cool EPA 8011* Appendix I: 8011	250 ml G LL Hg Kit Hg-1631					
01	Stormwater Overflow@North Weir (SW-1) AE37556	3-31-11	1130	SW		X	1	3	3	1					
02	Stormwater Overflow@South Weir (SW-2) AE37557	3-31-11	1100	SW		X	1	3	3	1					
03	Field Duplicate - AE37559	3-31-11	1130	SW		X	1	3	3	1					
04	Field Blank AE37558	3-31-11	1045	R		X	1	3	3	1					
05	Trip Blank	3-22-11	1300	R		X		1							

Containers Prepared/ Relinquished:	Date/Time: 1430 3-22-11	Received: 3-31-11 1045	Date/Time:
Relinquished:	Date/Time: 1235 3-31-11	Received:	Date/Time: 1640 3-31-11
Relinquished:	Date/Time: 10:24 4-1-11	Received:	Date/Time:
Relinquished:	Date/Time: 4-1-11	Received:	Date/Time: 10:24 4-1-11
Relinquished:	Date/Time:	Received: David E. Wolfe	Date/Time: 4-1-11

Seal intact?	Y	N	N/A
Samples intact upon arrival?	Y	N	N/A
Received on ice? Temp_____	Y	N	N/A
Proper preservatives indicated?	Y	N	N/A
Rec'd within holding time?	Y	N	N/A
Volatiles rec'd w/out headspace?	Y	N	N/A
Proper containers used?	Y	N	N/A

Instructions / Remarks

40 CFR Part 258 Appendix I Volatiles
***EPA 8011: EDB and DBCP only!**

1102486

CHAIN OF CUSTODY RECORD

Sampler Signature: David E Wells

Print Name: DAVID E Wells

4/4/2011 9:00:05 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°C

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
4-4-11	0955	AE38472	GW	Lena Road Surface Water 2	300 ml plastic bag; Grab	1		FC

	Signature	Print Name	Company	Date	Time
Relinquished By:	David E Wells	DAVID E Wells	INDUSTRIAL Compliance	4-4-11	1041
Received By:	Jeff Goodwin	Jeff Goodwin	Central Lab	4/4/11	10:46
Relinquished By:					
Received By:					

Comments: Ph 6.35 2011-04-01-007
Temp 26.4

CHAIN OF CUSTODY RECORD

Sampler Signature: David E Wells

Print Name: DAVID E WELLS

4/4/2011 8:59:31 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: 10C

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
4-4-11	0946	AE38535	GW	Lena Road Surface Water 1	HDPE unpres.; Grab/Comp.	1		TSS

	Signature	Print Name	Company	Date	Time
Relinquished By:	David E Wells	DAVID E Wells	Industrial Compliance	4-4-11	1041
Received By:	Jeff Goodwin	Jeff Goodwin	Central Lab	4/4/11	1046
Relinquished By:					
Received By:					

Comments: ph 5.9
TEMP 26.0

2011-04-04-005

CHAIN OF CUSTODY RECORD

3/31/2011 8:43:23 AM

Sampler Signature: David E Wells

Print Name: DAVID E Wells

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: 3

Temperature: 1

Collection Date	Collection Time	Sample ID	Matrix	Description	Pres., Bottle/Sample Type	# Cont	Pres Check	Analysis
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	HDPE w/HNO3; Grab/Comp.	1	✓	HG
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	300 ml plastic bag; Grab	1		FC
3-31-11	1100	AE37557	GW	Lena Road Surface Water 2	1 L Amber Glass unpres; Grab	1		CHLOROA-CONTRACT

	Signature	Print Name	Company	Date	Time
Relinquished By:	David E Wells	DAVID E Wells	Industrial Compliance	3-31-11	1235
Received By:	[signature]	O Camacho	MCUD	3-31-11	[illegible]
Relinquished By:					
Received By:					

Comments: