JONES EDMUNDS

May 19, 2008

Mr. Duane Watroba
Environmental Specialist
Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RE: Bi-monthly Data Submittal
City of Rockledge Reclaimed Water ASR
FDEP Permit Number 05-0195980-002
Jones Edmunds Project No.: 08802-034-02

Dear Mr. Watroba:

Attached please find a copy of the Rockledge Reclaimed ASR bi-monthly water quality data summary. This summary includes the results from the sampling event conducted on April 14, 2008. Hard copies of laboratory results for the most recent event are included in Attachment 1.

Please note that the detection limit for Total Coliforms is 10 cfu/100mL, which is greater than the MCL of 4 cfu/100mL. The lab analyzed 2X and 10X dilutions for Total Coliforms, with detection limits of 2 and 10 cfu/100mL, respectively. According to ELab, "The 2X had more then 200 background (non-coliforms) colonies on the plate and therefore could not be reported. The 10X had 96 background colonies on it (and no coliform colonies) which is an acceptable number to have therefore it was reported."

Also, please note that the Lab did not report a value for Odor. According to the lab, "ELAB policy [is] that we do not run Odor analysis on non-drinking water samples in order to safe-guard the analysts." Because of this policy, we will not be able to report values for Odor for future reclaimed water samples.

If you have any questions regarding these water quality results or any other aspect of the project, please feel free to call me at (352) 377-5821.

Sincerely,

Andrew Lynn, P.E., BCEE
Senior Project Manager

\\gnvmain\projects\08802-Rockledge\034-02 ASR Phase II\Correspondence\2008-05-19-LTR-Watroba-WQDataSubmittal.doc

Enclosure

xc: George Heuler, Florida Department of Environmental Protection (email only)
David King, St. Johns River Water Management District (email only)
Nancy Marsh, Environmental Protection Agency (email only)
Alan LaDuke, City of Rockledge (email only)
Brian Hepburn, Jones Edmunds & Associates, Inc. (email only)

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ROCKLEDGE RECLAIMED ASR BI-MONTHLY WATER QUALITY DATA SUMMARY
SAMPLE LOCATION: REUSE HIGH SERVICE PUMPS
FEBRUARY 2006 - APRIL 2008
ALL EXCEEDANCES SHOWN IN BOLD PRINT

TABLE 1 - INORGANIC COMPOUNDS

			2/28/2006	4/20/2006	8/29/2006	10/25/2006	12/18/2006	2/13/2007	4/17/2007	6/12/2007	8/7/2007	10/30/2007	12/5/2007	2/26/2008	4/14/2008
ANALYTE	MCL [a]	Units	Analysis Result												
Antimony	6	µg/L	< 0.40	<0.40	< 0.40	< 0.40	0.29 I	0.28 I	0.37 IV	0.46 I	0.31 I	< 0.50	< 0.50	< 0.50	< 0.50
Arsenic	10	µg/L	0.48 I	0.32 I	0.71 I	0.37 I	< 0.64	1.5	< 0.64	< 3.2	2.7	3.1	2.6	1.9	< 0.50
Asbestos	7	MFL	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*
Barium	2000	µg/L	6.3 I	5.9 I	17	20	5.7 I	6.0 I	2.4 I	19	12	10	8.8 I	5.3 I	< 5.0
Beryllium	4	µg/L	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16	0.18 I	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	5	µg/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.50	< 0.50	< 0.50	< 0.50
Chromium	100	µg/L	0.61 I	0.63 I	0.60 I	0.73 I	1.1 I	0.90 I	0.88 I	0.96 I	0.92 I	< 2.5	< 2.5	< 2.5	< 2.5
Cyanide (as free Cyanide)	200	µg/L	7.0 I	8.0 I	10	8.0 I	12	< 2.2	13	13	12	4.0 I	5.0 I	8.0 I	6.0 IV
Fluoride	4	mg/L	0.17	0.79	0.59	0.63	0.69	0.16	0.67	0.66	0.14	0.52	0.67	0.62	0.30
Lead	15	µg/L	0.15 I	0.29 I V	0.18 I	0.31 I	0.32 I	0.26 I	0.21 I	0.16 I	0.16 I	< 0.50	< 0.50	< 0.50	< 0.50
Mercury	2	µg/L	0.024 I V	<0.012	0.029 I	0.044 I V	< 0.012	< 0.050	< 0.050	< 0.050	< 0.050	< 0.50	0.093 IV	< 0.012	< 0.012
Nickel	100	µg/L	1.2 I	3.2 I	1.2 I	< 1.2	< 1.5	1.6 I	2.8 I	< 1.5	2.4 I	2.7 I	3.2 I	< 2.5	< 2.5
Nitrate	10 (as N)	mg/L	0.52	0.49	0.47	1.6	1.4	0.64	0.48	0.38	0.51	0.89	0.96	0.50	0.39
Nitrite	1 (as N)	mg/L	1.2	1.3	0.59	< 0.046	0.53	2.9	1.1	0.82	0.46	2.3	2.8	0.47	< 0.011
Total Nitrate and Nitrite	10 (as N)	mg/L	1.8	1.8	1.1	1.6	1.9	3.5	1.6	1.2	0.97	3.2	3.8	0.97	0.39
Selenium	50	µg/L	0.13 I	0.25 I	0.14 I	0.39 I	< 0.22	0.26 I	0.30 I	< 0.22	< 0.22	< 0.50	< 0.50	< 0.50	< 0.50
Sodium	160	mg/L	120	150	150	190	130	120	160	180	120	120	130	120	140
Thallium	2	µg/L	< 0.12	< 0.12	< 0.12	< 0.12	< 0.19	< 0.19	< 0.19	0.33 I	< 0.19	< 0.50	< 0.50	< 0.50	< 0.50

TABLE 2 - RESIDUAL DISINFECTANT LEVELS

			2/28/2006	4/20/2006	8/29/2006	10/25/2006	12/18/2006	2/13/2007	4/17/2007	6/12/2007	8/7/2007	10/30/2007	12/5/2007	2/26/2008	4/14/2008
ANALYTE	MRDL [a]	Units	Analysis Result												
Chlorine	4.0 (as Cl_2)	mg/L	< 0.030 Q	< 0.030 Q	< 0.026 Q	2.0 Q	0.11 Q	< 0.026 Q	0.39 Q	< 0.026 Q	< 0.10 Q	< 0.10 Q	< 0.10 Q	< 0.10 Q	0.61 Q
Chloramines	4.0 (as Cl_2)	mg/L	< 0.030 Q	< 0.030 Q	< 0.026 Q	< 0.026 Q	0.11 Q	< 0.026 Q	0.39 Q	< 0.026 Q	< 0.10 Q	< 0.10 Q	< 0.10 Q	< 0.10 Q	0.61 Q
Chlorine Dioxide	0.8 (as ClO_2)	mg/L	< 0.030 Q	< 0.030 Q	< 0.026 Q	0.12 Q	0.080 IQ	0.10 Q	0.090 IQ	0.070 IQ	0.10 Q	0.25 Q	< 0.089 Q	< 0.089 Q	< 0.089 Q

TABLE 3 - DISINFECTION BYPRODUCTS

			2/28/2006	4/20/2006	8/29/2006	10/25/2006	12/18/2006	2/13/2007	4/17/2007	6/12/2007	8/7/2007	10/30/2007	12/5/2007	2/26/2008	4/14/2008
ANALYTE	MCL [a]	Units	Analysis Result												
Total Trihalomethanes (TTHM)	80	µg/L	5.5	3.0	4.8	82	21	3.9	3.6	3.5	9.2	25	7	10	75
Bromodichloromethane	See Total	µg/L	0.70	0.70	1.30	23	6.1	0.95	1.10	0.88	2.0	6.7	2.3	2.7	30
Bromoform	See Total	µg/L	< 0.10	< 0.10	< 0.22	16	0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.29	< 0.29	< 0.29	1.6
Chloroform	See Total	µg/L	4.2	2.4	3.0	13	13	3.0	2.2	2.2	6.8	17	4.6	6.6	29
Dibromochloromethane	See Total	µg/L	< 0.12	< 0.12	0.45 I	30	1.9	< 0.14	0.40 I	0.42 I	0.42 I	1.4	0.48 I	1.2	15
Haloacetic Acids (Five) (HAA5)	60	µg/L	8.90	12.9	6.59	60.8	10.5	2.58	12.9	10.6	3.80	15.6	10.8	8.31	57.4
Dibromoacetic Acid	See Total	µg/L	< 0.790	< 0.790	< 0.450	15.3	< 0.450	< 0.450	2.92	2.84	< 0.234	0.269 I	0.226 I	< 0.160	4.05
Dichloroacetic Acid	See Total	µg/L	3.03	8.01	2.71	23.3	< 0.573	1.09	6.48	3.79	< 0.547	4.39	6.25	3.19	29.0
Monobromoacetic Acid	See Total	µg/L	< 0.570	< 0.570	< 0.656	3.8	< 0.656	< 0.656	< 0.347	< 0.347	< 0.347	< 0.200	0.218 I	< 0.200	1.22
Monochloroacetic Acid	See Total	µg/L	< 0.570	< 0.570	< 0.802	< 0.802	< 0.802	< 0.802	< 0.564	< 0.564	< 0.564	< 0.240	< 0.240	< 0.240	8.77
Trichloroacetic Acid	See Total	µg/L	5.87	4.85	3.88	18.5	10.5	1.49	3.49	3.93	3.80	10.9	4.10	5.11	14.4
Bromate	10	µg/L	< 0.39	< 0.20	< 2.0	< 2.0	< 2.0	< 0.98	< 3.9	< 2.0	< 0.78	< 0.98	< 0.59	< 3.0	< 3.0
Chlorite	1000	µg/L	< 0.84	< 0.42	< 4.2	< 4.2	< 4.2	< 2.1	< 8.4	< 4.2	< 1.7	< 2.1	< 1.3	< 6.6	< 6.6

ROCKLEDGE RECLAIMED ASR BI-MONTHLY WATER QUALITY DATA SUMMARY
SAMPLE LOCATION: REUSE HIGH SERVICE PUMPS
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TABLE 4 - VOLATILE ORGANIC CONTAMINANTS

			2/28/2006	4/20/2006	8/29/2006	10/25/2006	12/18/2006	2/13/2007	4/17/2007	6/12/2007	8/7/2007	10/30/2007	12/5/2007	2/26/2008	4/14/2008
ANALYTE	MCL [a]	Units	Analysis Result												
1,1-Dichloroethylene	7	µg/L	< 0.22	< 0.22	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.24	< 0.24	*Not Required*	*Not Required*
1,1,1-Trichloroethane	200	µg/L	< 0.080	< 0.080	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.42	< 0.42	*Not Required*	*Not Required*
1,1,2-Trichoforoethane	5	µg/L	< 0.080	< 0.080	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.33	< 0.33	*Not Required*	*Not Required*
1,2-Dichloroethane	3	µg/L	< 0.13	< 0.13	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.37	< 0.37	*Not Required*	*Not Required*
1,2-Dichloropropane	5	µg/L	< 0.090	< 0.090	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.25	< 0.25	*Not Required*	*Not Required*
1,2,4-Tricholorobenzene	70	µg/L	< 0.10	< 0.10	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.28	< 0.28	*Not Required*	*Not Required*
Benzene	1	µg/L	< 0.12	< 0.12	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.30	< 0.30	*Not Required*	*Not Required*
Carbon tetrachloride	3	µg/L	< 0.12	< 0.12	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.39	< 0.39	*Not Required*	*Not Required*
cis-1,2-Dichloroethylene	70	µg/L	< 0.11	< 0.11	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.28	< 0.28	*Not Required*	*Not Required*
Dichloromethane	5	µg/L	< 0.27	< 0.27	< 0.40	0.85	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.46	< 0.46	*Not Required*	*Not Required*
Ethylbenzene	700	µg/L	< 0.30	< 0.30	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.15	< 0.15	*Not Required*	*Not Required*
Monochlorobenzene	100	µg/L	< 0.080	< 0.080	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.28	< 0.28	*Not Required*	*Not Required*
o-Dichlorobenzene	600	µg/L	< 0.070	< 0.070	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.20	< 0.20	*Not Required*	*Not Required*
p-Dichlorobenzene	75	µg/L	< 0.070	0.63	< 0.34	< 0.34	< 0.34	< 0.55	0.49 I	0.46 I	0.39 I	0.43 I	0.41 I	*Not Required*	*Not Required*
Styrene	100	µg/L	< 0.080	< 0.080	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.27	< 0.27	*Not Required*	*Not Required*
Tetrachloroethylene	3	µg/L	< 0.090	< 0.090	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.25	< 0.25	*Not Required*	*Not Required*
Toluene	1000	µg/L	0.63	0.42 I	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.33	< 0.33	*Not Required*	*Not Required*
trans-1,2-Dichloroethylene	100	µg/L	< 0.13	< 0.13	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.27	< 0.27	*Not Required*	*Not Required*
Trichloroethylene	3	µg/L	< 0.14	< 0.14	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.22	< 0.22	*Not Required*	*Not Required*
Vinyl chloride	1	µg/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.42	< 0.42	*Not Required*	*Not Required*
Xylenes (total)	10000	µg/L	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.30	< 0.30	*Not Required*	*Not Required*

TABLE 5 - SYNTHETIC ORGANIC CONTAMINANTS

			2/28/2006	4/20/2006	8/29/2006	10/25/2006	12/18/2006	2/13/2007	4/17/2007	6/12/2007	8/7/2007	10/30/2007	12/5/2007	2/26/2008	4/14/2008
ANALYTE	MCL [a]	Units	Analysis Result												
2,3,7,8-TCDD (Dioxin)	3 X 10^{-5}	µg/L	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*
2,4-D	70	µg/L	< 0.070	< 0.070	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.054	*Not Required*	*Not Required*
2,4,5-TP (Silvex)	50	µg/L	< 0.015	< 0.015	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.057	< 0.038	*Not Required*	*Not Required*
Alachlor	2	µg/L	< 0.046	< 0.022	< 0.014	< 0.014	< 0.014	< 0.013	< 0.014	< 0.014	< 0.013	< 0.014	< 0.014	*Not Required*	*Not Required*
Atrazine	3	µg/L	< 0.26	< 0.13	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	*Not Required*	*Not Required*
Benzo(a)pyrene	0.2	µg/L	< 0.078	< 0.076	< 0.034	< 0.033	< 0.034	< 0.033	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	*Not Required*	*Not Required*
Carbofuran	40	µg/L	< 0.69	< 0.69	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.13	*Not Required*	*Not Required*
Chlordane	2	µg/L	< 0.16	< 0.078	< 0.058	< 0.058	< 0.056	< 0.055	< 0.058	< 0.056	< 0.055	< 0.056	< 0.056	*Not Required*	*Not Required*
Dalapon	200	µg/L	< 0.96	< 0.96	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.60	*Not Required*	*Not Required*
Di(2-ethylhexyl)adipate	400	µg/L	< 0.23	< 0.22	< 0.23	< 0.22	< 0.22	< 0.22	< 0.23	< 0.22	< 0.22	< 0.22	< 0.22	*Not Required*	*Not Required*
Di(2-ethylhexyl)phthalate	6	µg/L	< 0.50	< 0.49	< 0.49	< 0.47	< 0.49	< 0.48	< 0.49	< 0.48	0.59 IV	< 0.48	< 0.49	*Not Required*	*Not Required*
Dibromochloropropane (DBCP)	0.2	µg/L	< 0.0055	< 0.0055	< 0.0060	< 0.0060	< 0.0060	< 0.0060	< 0.0059	< 0.0059	< 0.0060	< 0.0039	< 0.0040	*Not Required*	*Not Required*
Dinoseb	7	µg/L	< 0.11	< 0.11	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.096	*Not Required*	*Not Required*
Diquat	20	µg/L	< 0.35	< 0.35	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	*Not Required*	*Not Required*
Endothall	100	µg/L	< 4.4	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 7.6	< 2.7	< 2.7	*Not Required*	*Not Required*
Endrin	2	µg/L	< 0.016	< 0.0078	< 0.0080	< 0.0080	< 0.0078	< 0.0076	< 0.0080	< 0.0078	< 0.0076	< 0.0077	< 0.0078	*Not Required*	*Not Required*
Ethylene dibromide (EDB)	0.02	µg/L	< 0.0099	< 0.0099	< 0.0063	< 0.0063	< 0.0063	< 0.0063	< 0.0062	< 0.0062	< 0.0063	< 0.0061	< 0.0064	*Not Required*	*Not Required*
Glyphosate	700	µg/L	< 4.1	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 3.2	< 0.99	*Not Required*	*Not Required*
Heptachlor	0.4	µg/L	< 0.016	< 0.0078	< 0.026	< 0.026	< 0.025	< 0.025	< 0.026	< 0.025	< 0.025	< 0.025	< 0.025	*Not Required*	*Not Required*
Heptachlor epoxide	0.2	µg/L	< 0.012	< 0.0058	< 0.0060	< 0.0060	< 0.0058	< 0.0057	< 0.0060	< 0.0058	< 0.0057	< 0.0058	< 0.0058	*Not Required*	*Not Required*
Hexachlorobenzene	1	µg/L	< 0.016	< 0.0078	< 0.0080	< 0.0080	< 0.0078	< 0.0076	< 0.0080	< 0.0078	< 0.0076	< 0.0077	< 0.0078	*Not Required*	*Not Required*
Hexachlorocyclopentadiene	50	µg/L	<0.036	<0.017	< 0.018	< 0.018	< 0.017	< 0.017	< 0.017	< 0.018	< 0.017	< 0.017	< 0.017	*Not Required*	*Not Required*
Lindane	0.2	µg/L	< 0.012	< 0.0058	< 0.0080	< 0.0080	< 0.0078	< 0.0076	< 0.0080	< 0.0078	< 0.0076	< 0.0077	< 0.0078	*Not Required*	*Not Required*
Methoxychlor	40	µg/L	< 0.018	< 0.0087	< 0.020	< 0.020	< 0.019	< 0.020	< 0.020	< 0.019	< 0.019	< 0.019	< 0.019	*Not Required*	*Not Required*
Oxamyl (vydate)	200	µg/L	< 0.72	< 0.72	1.8 I	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.16	*Not Required*	*Not Required*
Pentachlorophenol	1	µg/L	< 0.010	< 0.010	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0080	< 0.0084	< 0.0040	*Not Required*	*Not Required*
Picloram	500	µg/L	< 0.071	< 0.071	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	*Not Required*	*Not Required*
Polychlorinated biphenyls (PCBs)	0.5	µg/L	< 0.20	< 0.097	< 0.10	< 0.10	< 0.097	< 0.095	< 0.099	< 0.097	< 0.095	< 0.097	< 0.097	*Not Required*	*Not Required*
Simazine	4	µg/L	< 0.48	< 0.23	< 0.13	< 0.13	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12	*Not Required*	*Not Required*
Toxaphene	3	µg/L	< 0.23	< 0.11	< 0.089	< 0.089	< 0.086	< 0.085	< 0.088	< 0.086	< 0.085	< 0.22	< 0.22	*Not Required*	*Not Required*

ROCKLEDGE RECLAIMED ASR BI-MONTHLY WATER QUALITY DATA SUMMARY
SAMPLE LOCATION: REUSE HIGH SERVICE PUMPS
FEBRUARY 2006 - APRIL 2008
ALL EXCEEDANCES SHOWN IN BOLD PRINT

TABLE 6 - SECONDARY DRINKING WATER STANDARDS

			2/28/2006	4/20/2006	8/29/2006	10/25/2006	12/18/2006	2/13/2007	4/17/2007	6/12/2007	8/7/2007	10/30/2007	12/5/2007	2/26/2008	4/14/2008
ANALYTE	SMCL[b]	Units	Analysis Result												
Aluminum	200	µg/L	23	23	24	23	20	29	21	24	30	24	21	20	21
Chloride	250	mg/L	150	160	270	330	160	170	240	290	160	150	170	160	200
Copper	1000	µg/L	1.1	1.1	0.92 I	0.87 I	1.1	1.1	1.3	1.3	1.1	1.0	0.80 I	1.1	1.1
Fluoride	2	mg/L	0.17	0.79	0.59	0.63	0.69	0.16	0.67	0.66	0.14	0.52	0.67	0.62	0.30
Iron	300	µg/L	88	78	110	83	72	86	98	130	67	98	62	66	60
Manganese	50	µg/L	16	17	15	19	20	18	16	15	16	16	14	16	17
Silver	100	µg/L	< 1.1	< 1.1	< 1.1	< 1.1	< 0.91	< 0.91	< 0.91	< 0.91	< 0.91	< 2.5	< 2.5	< 2.5	< 2.5
Sulfate	250	mg/L	110	130	120	140	110	120	120	120	100	97	120	110 V	130
Zinc	5000	µg/L	32	47	30	26	50	39	38	40	34	40	41	39	42
Color	15	c.u.	20	20	20	< 5.0	30	25	20	30	35	45	10	40	25
Odor	3	t.o.n.	17	17	8	4.0	8.0	100	67	17	100	33	8.0	33	*Not Analyzed*
pH (Field)	6.5 - 8.5	S.U.	6.98	7.24	7.29	7.28	6.89	6.50	7.25	7.23	7.36	6.81	6.86	6.89	7.11
Total Dissolved Solids	500	mg/L	530	570	740	880	530	570	690	790	530	510	560	660	630
Foaming Agents	0.5	mg/L	0.19	0.20	0.16	0.10	0.20	0.28	0.27 V	0.20	0.17	0.19	0.19	0.16 I	0.13 I

TABLE 7 - RADIONUCLIDES

			2/28/2006	4/20/2006	8/29/2006	10/25/2006	12/18/2006	2/13/2007	4/17/2007	6/12/2007	8/7/2007	10/30/2007	12/5/2007	2/26/2008	4/14/2008
ANALYTE	MCL[a]	Units	Analysis Result												
Gross Alpha Particle Activity	15	pCi/L	< 1.8 +/- 1.1	< 1.4 +/- 0.9	< 1.9 +/- 1.2	< 1.5 +/- 1	< 1.6 +/- 1	< 1.5 +/- 1	< 0.9 +/- 0.5	2.1 +/- 1.3	1.6 +/- 0.5	<0.9 +/- 0.6	<1.4+/-1.0	*Not Required*	*Not Required*
Radium-226	5	pCi/L	0.10 +/- 0.1	< 0.2 +/- 0.1	0.2 +/- 0.1	0.3 +/- 0.1	0.2 +/- 0.1	0.2 +/- 0.1	< 0.2 +/- 0.1	0.3 +/- 0.2	0.3 +/- 0.2	< 0.2 +/- 0.1	0.2+/-0.1	*Not Required*	*Not Required*
Radium-228	5	pCi/L	< 0.90 +/- 0.6	< 0.8 +/- 0.5	< 0.8 +/- 0.5	0.9 +/- 0.6	< 0.8 +/- 0.5	< 0.8 +/- 0.5	< 0.8 +/- 0.5	< 1.0 +/- 0.6	< 0.8 +/- 0.5	< 0.8 +/- 0.5	<0.9+/-0.5	*Not Required*	*Not Required*
Uranium, Combined	30 / 20.1	pCi/L	< 1.1 +/- 0.9 pCi/L	< 0.8 +/- 0.7 pCi/L	< 0.5 +/- 0.3	< 0.7 +/- 0.6	< 0.7 +/- 0.5	< 0.6 +/- 0.5	< 0.8 +/- 0.4	< 0.8 +/- 0.6	< 0.8 +/- 0.6	< 0.7 +/- 0.5	< 0.7 +/- 0.5	*Not Required*	*Not Required*

TABLE 8 - BIOLOGICALS AND PATHOGENS

			2/28/2006	4/20/2006	8/29/2006	10/25/2006	12/18/2006	2/13/2007	4/17/2007	6/12/2007	8/7/2007	10/30/2007	12/5/2007	2/26/2008	4/14/2008
ANALYTE	Minimum Criteria	Units	Analysis Result												
Cryptosporidium	-	count / 100 L	< 1.3	2.4	< 0.78	< 1.8	100	120	< 0.67	2.9	< 0.88	< 0.88	< 0.63	< 0.83	< 0.75
E. Coli	-	# / 100 mL	< 1.0 Q	< 1.0 Q	1.0 IQ	< 1.0 Q	< 1.0 Q	< 1.0	< 1.0 Q	< 1.0 Q	13 Q	< 1.0 Q	1.0 IQ	< 1.0 Q	1.0 Q
Enterococci	-	# / 100 mL	2.0 Q	22 Q	1.0 IQ	< 1.0 Q	1.0 Q	31	< 1.0 Q	13 Q	1.0 Q	< 1.0 Q	2.0 IQ	< 1.0 Q	7.0 Q
Fecal Coliforms	-	cfu / 100 mL	8.0	< 2.0	< 2.0	< 1.0	< 1.0	< 2.0	37	< 1.0	< 1.0	< 2.0	2.0	< 2.0 Q	< 2.0
Giardia	-	count / 100 L	< 1.3	39	< 0.78	< 1.8	800	170	< 0.67	66	520	250	<0.63	<0.83	<0.75
Total Coliforms	4[d]	cfu / 100 mL	300	40	< 100	< 1	TNTC	8	TNTC	2	8.0	TNTC	30	2.0 Q	< 10

ROCKLEDGE RECLAIMED ASR BI-MONTHLY WATER QUALITY DATA SUMMARY
SAMPLE LOCATION: REUSE HIGH SERVICE PUMPS
FEBRUARY 2006 - APRIL 2008
ALL EXCEEDANCES SHOWN IN BOLD PRINT

TABLE 9 - ADDITIONAL PARAMETERS

ANALYTE	Minimum Criteria [c]	Units	2/28/2006	4/20/2006	8/29/2006	10/25/2006	12/18/2006	2/13/2007	4/17/2007	6/12/2007	8/7/2007	10/30/2007	12/5/2007	2/26/2008	2/27/2008
			Analysis Result												
FIELD PARAMETERS															
Dissolved Oxygen	-	mg/L	3.89	5.76	5.95	5.72	5.6	1.36	5.16	3.48	3.63	0.87	1.74	4.23	5.90
Turbidity	-	NTU	3.39	1.34	1.09	0.28	0.85	1.69	0.68	0.75	0.21	2.5	0.87	1.51	1.04
Conductivity	-	µmhos/cm	950	1092	1269	1399	952	995	1249	1477	954	883	995	959	1086
Temperature	-	°C	22.98	27.24	30.53	25.46	27.59	23.12	26.21	28.78	30.71	28	25.79	25.04	26.35
ORP	-	mV	326.2	436.0	324.3	355	63.8	108.9	271.8	390.5	260.9	21.2	233.3	305.8	453.7
INDICATOR PARAMETERS															
Dissolved Organic Carbon	-	mg/L	12 V	12 V	11	10	9.5	12 V	9.9	11	12	13	11	*Not Required*	*Not Required*
Nitrogen, Ammonia (As N)	2.8	mg/L	**7.0**	**9.6**	**3.1**	1.2	2.4	2.7	**4.0**	**6.4 V**	**4.6 V**	0.58	1.1	3.3	0.89
Nitrogen, Organic	-	mg/L	2.6	1.4	0.90	1.10	1.0	1.6	1.3	1.6	1.4	1.3	1.1	1.3	1.1
Phosphorus, Orthophosphate (as P)	-	mg/L	4.4	4.1 V	2.9	3.1	2.7	3.4	2.4	3.2	2.7	2.8	3.8	3.9	3.7
Total Nitrogen	-	mg/L	11	13	5.1	3.9	5.3	7.8	6.9	9.2	6.9	5.1	6.0	5.6	2.4
Total Nitrogen, Kjeldahl (TKN)	-	mg/L	9.6	11	4.0	2.3	3.4	4.3 V	5.3	8.0	5.9	1.9	2.2	4.6	2.0
Total Organic Carbon (TOC)	-	mg/L	12 V	11 V	10	10	10	13	9.9	12	12	12	13	*Not Required*	*Not Required*
Total Organic Halides (TOX)	-	mg/L	0.31	0.38	0.26	0.98	0.37	0.29	0.36	0.23	0.27	0.34	0.300	*Not Required*	*Not Required*
Total Phosphorus (as P)	-	mg/L	4.1 V	5.4	2.8	2.9	3.0	3.2	2.6	3.7	3.3	2.8	3.2	3.8	3.8
UV254 Absorbance	-	cm^{-1}	0.28	0.29	0.25	0.20	0.24	0.28	0.23	0.27	0.37	0.37	0.28	0.28	0.28
VOLATILE ORGANIC COMPOUNDS															
2-Chlorophenol	35	µg/L	< 0.68	< 0.65	< 0.67	< 0.67	< 0.65	< 0.64	< 0.66	< 0.65	< 0.64	< 26	< 0.66	< 0.66	< 0.65
Chloroethane	12	µg/L	< 0.51	< 0.51	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	< 0.52	*Not Required*	*Not Required*
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4,6-Trichlorophenol	3.2	µg/L	< 0.69	< 0.66	< 0.68	< 0.68	< 0.66	< 0.65	< 0.67	< 0.66	< 0.64	< 26	< 0.67	< 0.67	< 0.66
Aldrin	0.002	µg/L	< 0.0060	< 0.0057	< 0.0059	< 0.0058	< 0.013	< 0.0057	< 0.0058	< 0.0058	< 0.0057	< 0.0058	< 5.8	*Not Required*	*Not Required*
Anthracene	2100	µg/L	< 0.60	< 0.57	< 0.59	< 0.59	< 0.58	< 0.57	< 0.58	< 0.57	< 0.56	< 23	< 0.59	< 0.58	< 0.57
Butyl benzyl phthalate	140	µg/L	< 0.72	< 0.69	< 0.71	< 0.71	< 0.69	< 0.68	< 0.69	< 0.69	< 0.67	< 27	< 0.70	< 0.70	< 0.68
Dieldrin	0.002	µg/L	< 0.0050	< 0.0048	< 0.0049	< 0.0049	< 0.0080	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 4.9	*Not Required*	*Not Required*
Diethyl phthalate	5600	µg/L	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	*Not Required*	< 0.50	< 0.48
Dimethyl phthalate	70000	µg/L	*Not Required*	< 0.61	< 0.63	< 0.63	< 0.62	< 0.61	< 0.62	< 0.61	< 0.60	< 24	< 0.62	< 0.62	< 0.61
Naphthalene	14	µg/L	< 0.78	< 0.74	< 0.77	< 0.76	< 0.75	< 0.74	< 0.75	< 0.75	< 0.73	< 29	< 0.76	< 0.76	< 0.74
NDMA (N-Nitrosodimethylamine)	0.0007	µg/L	< 0.97	< 0.92	< 0.96	< 0.95	< 0.93	< 0.92	< 0.94	< 0.93	< 0.91	< 37	< 0.95	< 0.94	< 0.92
Phenanthrene	210	µg/L	< 0.52	< 0.50	< 0.51	< 0.51	< 0.50	< 0.49	< 0.50	< 0.50	< 0.49	< 20	< 0.51	< 0.50	< 0.49
Phenol	10	µg/L	< 0.54	< 0.51	< 0.53	< 0.53	< 0.52	< 0.51	< 0.52	< 0.52	< 0.50	< 20	< 0.53	< 0.52	< 0.51

Legend
MCL = Maximum Contaminant Level from Chapter 62-550
a = Primary Drinking Water Standard
b = Secondary Drinking Water Standard
c = Chapter 62-777 Groundwater Cleanup Target Level (GCTL)
d = Chapter 62-520 Class G-I and Class G-II Ground Water Standard
I = The reported value is between the laboratory method detection limit and the laboratory practical quantification limit
J3 = The reported value failed to meet the established quality control criteria for either precision or accuracy
J4 = The sample matrix interfered with the ability to make any accurate determination
Q = Estimated value; sample held beyond the accepted holding time
V = The analyte was detected in both the sample and the associated method blank
TNTC = To Numerous To Count

May 06, 2008

Mr. Brian Smith
City of Rockledge
1700 Jack Oates Blvd.
Rockledge, FL 32955

RE: Reuse High Service Pump

Order No.: F08040642

Dear Mr. Brian Smith:

ELAB, Inc. received 2 samples on 4/14/2008 2:55:00 PM for the analyses presented in the following report.
Analyses are performed with method-required calibration and QA/QC samples whenever applicable. Method performance, which is based on the calibration and QA/QC samples, establishes the validity and certainty of the reported sample results. This data is provided along with the sample results when requested.

Thank you for this opportunity to be of service. If you have any questions regarding this data, please feel free to call me at (386) 672-5668, extension 327.

Sincerely,
Jeff Baylor

Project Manager
ELAB, Inc.
P.O. Box 468
Ormond Beach, FL 32175-0468

Jeff Baylor
Digitally signed by Jeff Baylor
DN: cn=Jeff Baylor, o=ELAB, Inc., ou=Project Management, c=US
Date: 2008.05.06 11:52:05 -05'00'
Valid by unknown

THIS DOCUMENT MEETS NELAC STANDARDS NELAC Certification #E83079

The following acronyms may be utilized within this report:

%REC	Percent Recovery
A	Absent
ABLK	Analytical Method Blank
CG	Confluent Growth
CGB	Confluent Growth Without Coliforms
CGC	Confluent Growth With Coliforms
DUP	Sample Duplicate
LCS	Laboratory Control Spike (may also be appended with an abbreviation indicating spiking level)
MBLK	Preparation Method Blank
MDL	Laboratory Method Detection Limit
MS	Matrix Spike (may also be appended with an abbreviation indicating spiking level)
MSD	Matrix Spike Duplicate (may also be appended with an abbreviation indicating spiking level)
P	Present
PQL	Practical Quantitation Limit
QCS	Alternate source Calibration Verification Standard (may also be reported as analytical LCS in some
RL	Reporting Limit
RPD	Relative Percent Difference
SPK	Spike
TIC	Tentatively Identified Compound
TNTC	Too Numerous To Count

The following notes may apply to analytical results within this report:

Residue (solids) analysis may employ a single, heated drying process of at least 12 hours duration in lieu of employing short, repeated drying cycles, which represents a deviation from the methodology.

Because the EPA-recommended holding time for pH, residual chlorine, chloramines and chlorine dioxide is 15 minutes from time of collection, these analyses are routinely performed outside of their EPA-recommended holding time when performed in the laboratory.

Analytical results for ammonia analysis, or calculated analytical results depending on ammonia analysis, do not include a sample distillation procedure. A study comparing distilled versus non-distilled analytical results has been performed to document the validity of the analysis without prior distillation, and represents equivalent results for the represented project matrices.

Since N-nitrosodiphenylamine decomposes in the GC inlet and cannot be chromatographically resolved from diphenylamine, these compounds are reported as a single analyte in the report.

Since m-cresol and p-cresol cannot be chromatographically resolved, these compounds are reported as a single analyte in the report.

The following certifications may apply to analytical results within this report:

Alabama	DEM	41320
Arizona	DHS	AZ0640
Colorado	DPHE	FL NELAC Reciprocity
Connecticut	DPH	PH-0216
Florida	DOH	E83079
Georgia	DNR	955
Kentucky	DEP	90050
Maine	LCP	2006032
Massachusetts	DEP	M-FL020
Michigan	DEQ	9911
Mississippi	DOH	FL NELAC Reciprocity
Nevada	EP	ELAB FL-00020
New Hampshire	DES	295805
New Jersey	DEP	FL765
New York	DOH	11608
Pennsylvania	DEP	68-00547
Puerto Rico	DOH	FL 00020
South Carolina	DHEC	96027001
Tennessee	DOH	02974
Texas	CEQ	T104704184-05-TX

WorkOrder Sample Summary

CLIENT: City of Rockledge
Project: Reuse High Service Pump
Lab Order: F08040642

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001I	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001J	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-001	Reuse High Service Pump		4/14/2008 11:25:00 AM	4/14/2008
F08040642-002	Trip Blank		4/14/2008 11:25:00 AM	4/14/2008

Case Narrative

CLIENT: City of Rockledge
Project: Reuse High Service Pump
Lab Order: F08040642

I. FIELD SAMPLING

The samples were collected by ELAB staff under the guidelines outlined in Florida DEP SOP 001/-01. There were no significant logistics or quality problems unless noted below.

II. SAMPLE RECEIVING/ CUSTODY

The samples were received and processed by the Sample Custody section of the laboratory. There were no significant logistics or quality problems unless noted below.

The workorder F08040642 had containers which were sent to Enviromental Associates LTD. (E87851) for EPA1623 analysis and to Benchmark EnviroAnalytical, Inc. (E84167) for Entrococcus and E. coli analyses.

III. ANALYTICAL DATA

The samples were analyzed according to ELAB Standard Operating Procedures for the methodologies requested. There were no significant logistics or quality problems unless noted below or in the text of the report.

The E. coli result by M-Coliblue and Enterococcus by EPA1600 for F08040642 were reported past the recommended holding time due to the distance needing to be traveled from the site to the lab. The E.coli result by M-Coliblue was done by a method not certifiable in Florida and therefore does not meet NELAC standards.

EPA552.2: For sample F08040642-001, there was greater than 40% difference between primary and secondary channels for quantified levels of Monochloroacetic acid; the lower of the two values is reported.

SW8270: For sample F08040642-001, the recoveries for surrogates 2-Fluorophenol, Phenol-d6, and 2,4,6-Tribromophenol exceeded method guidance criteria (low bias) due to matrix interference.

IV. QUALITY CONTROL

There were no significant quality control problems unless noted below or in the text of the report.

EPA524: For batch 52378, LCS/LCSD analyses were performed to assess batch precision.

Case Narrative

CLIENT: City of Rockledge
Project: Reuse High Service Pump
Lab Order: F08040642

EPA524: The Reporting Limit Standard (RLS) recovery for Bromoform associated with analytical batch 52378 exceeded method guidance criteria (high bias).

EPA335.4:Trace amounts of the target compound Cyanide were detected at levels between the RL and MDL in the Method Blank associated with batch 52355. The levels detected were considered significant when compared to the levels detected in the sample associated with this batch.

SW8270: For batch 52324, LCS/LCSD analyses were performed to assess batch precision.

Analytical Report

CLIENT: City of Rockledge **Client Sample ID:** Reuse High Service Pump
Lab Order: F08040642 **Collection Date:** 4/14/2008 11:25:00 AM
Project: Reuse High Service Pump **Sample Description:**
Lab ID: F08040642-001 **Matrix:** Waste Water

Analyses	Result	Qual	MDL	PQL	Units	DF	Date Analyzed	Batch ID
FIELD PARAMETERS		**FLD**	PrepDate:				Analyst:	
Color	None						04/14/08 11:25	
Conductivity	1086				umhos/cm		04/14/08 11:25	
Dissolved Oxygen	5.90				mg/L		04/14/08 11:25	
Free Chlorine Residual	0.25				mg/L		04/14/08 11:25	
Odor	None						04/14/08 11:25	
ORP	453.7						04/14/08 11:25	
pH	7.11				S.U.		04/14/08 11:25	
Residual Chlorine	1.50				mg/L		04/14/08 11:25	
Temperature	26.35				deg C		04/14/08 11:25	
Turbidity	1.04				NTU		04/14/08 11:25	
ICP METALS		**E200.7**	PrepDate:	**4/16/2008 9:00:00 A**			Analyst: **TPI**	
Barium	5.0	U	5.0	10	µg/L	1	04/16/08 21:57	52237
Beryllium	0.50	U	0.50	1.0	µg/L	1	04/16/08 21:57	52237
Cadmium	0.50	U	0.50	1.0	µg/L	1	04/16/08 21:57	52237
Chromium	2.5	U	2.5	5.0	µg/L	1	04/16/08 21:57	52237
Iron	60		20	40	µg/L	1	04/16/08 21:57	52237
Manganese	17		2.5	5.0	µg/L	1	04/16/08 21:57	52237
Nickel	2.5	U	2.5	5.0	µg/L	1	04/16/08 21:57	52237
Silver	2.5	U	2.5	5.0	µg/L	1	04/16/08 21:57	52237
Sodium	140000		500	1000	µg/L	1	04/16/08 21:57	52237
Zinc	42		10	20	µg/L	1	04/16/08 21:57	52237
ICP/MS METALS		**E200.8**	PrepDate:	**4/16/2008 9:00:00 A**			Analyst: **DSK**	
Aluminum	21		6.2	10	µg/L	1	04/18/08 20:18	52237
Antimony	0.50	U	0.50	1.0	µg/L	1	04/18/08 20:18	52237
Arsenic	0.50	U	0.50	1.0	µg/L	1	04/18/08 20:18	52237
Copper	1.1		0.56	1.0	µg/L	1	04/18/08 20:18	52237
Lead	0.50	U	0.50	1.0	µg/L	1	04/18/08 20:18	52237
Selenium	0.50	U	0.50	1.0	µg/L	1	04/18/08 20:18	52237
Thallium	0.50	U	0.50	1.0	µg/L	1	04/18/08 20:18	52237
MERCURY		**E245.1**	PrepDate:	**4/18/2008 7:24:00 A**			Analyst: **DSK**	
Mercury	0.012	U	0.012	0.10	µg/L	1	04/21/08 11:27	52262
COLIFORM, FECAL (MF)		**SM9222 D**	PrepDate:				Analyst: **SSM**	
Fecal Coliform (MF)	2.0	U	2.0	2.0	cfu/100mL	2	04/14/08 15:53	R67298

Data Qualifier Code Key:

I	Analyte detected below quantitation limits		Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits		U	Not Detected Above the MDL
V	Analyte detected in the associated Method Blank		x	Value exceeds Maximum Contaminant Level

Analytical Report

CLIENT: City of Rockledge
Lab Order: F08040642
Project: Reuse High Service Pump
Lab ID: F08040642-001

Client Sample ID: Reuse High Service Pump
Collection Date: 4/14/2008 11:25:00 AM
Sample Description:
Matrix: Waste Water

Analyses	Result	Qual	MDL	PQL	Units	DF	Date Analyzed	Batch ID
COLIFORM, TOTAL (MF)		**SM9222 B**	PrepDate:				Analyst: **SSM**	
Total Coliform (MF)	10	U	10	10	cfu/100mL	10	04/14/08 15:53	R67300
552.2: HALOACETIC ACIDS		**E552.2**	PrepDate:	**4/24/2008 10:30:00**			Analyst: **LMA**	
Monochloroacetic acid	8.77		0.240	2.00	µg/L	1	04/27/08 19:34	52436
Dichloroacetic acid	29.0		0.230	1.00	µg/L	1	04/27/08 19:34	52436
Trichloroacetic acid	14.4		0.240	1.00	µg/L	1	04/27/08 19:34	52436
Monobromoacetic acid	1.22		0.200	1.00	µg/L	1	04/27/08 19:34	52436
Dibromoacetic acid	4.05		0.160	1.00	µg/L	1	04/27/08 19:34	52436
Total HAA(5)	57.4		1.00	1.00	µg/L	1	04/27/08 19:34	52436
Surr: 2,3-Dibromopropionic acid	89.1		0		%REC	1	04/27/08 19:34	52436
8270: SEMIVOLATILE ORGANICS		**SW8270**	PrepDate:	**4/21/2008 9:00:00 A**			Analyst: **AE**	
Anthracene	0.57	U	0.57	4.8	µg/L	1	04/25/08 06:02	52324
Butyl benzyl phthalate	0.68	U	0.68	4.8	µg/L	1	04/25/08 06:02	52324
2-Chlorophenol	0.65	U	0.65	4.8	µg/L	1	04/25/08 06:02	52324
Diethyl phthalate	0.48	U	0.48	4.8	µg/L	1	04/25/08 06:02	52324
Dimethyl phthalate	0.61	U	0.61	4.8	µg/L	1	04/25/08 06:02	52324
Naphthalene	0.74	U	0.74	4.8	µg/L	1	04/25/08 06:02	52324
N-Nitrosodimethylamine	0.92	U	0.92	1.9	µg/L	1	04/25/08 06:02	52324
Phenanthrene	0.49	U	0.49	4.8	µg/L	1	04/25/08 06:02	52324
Phenol	0.51	U	0.51	4.8	µg/L	1	04/25/08 06:02	52324
2,4,6-Trichlorophenol	0.66	U	0.66	1.9	µg/L	1	04/25/08 06:02	52324
Surr: 2-Fluorobiphenyl	44.1		0	18-110	%REC	1	04/25/08 06:02	52324
Surr: 2-Fluorophenol	2.82	S	0	18-110	%REC	1	04/25/08 06:02	52324
Surr: Nitrobenzene-d5	41.9		0	10-110	%REC	1	04/25/08 06:02	52324
Surr: Phenol-d6	6.26	S	0	10-110	%REC	1	04/25/08 06:02	52324
Surr: p-Terphenyl-d14	59.2		0	10-123	%REC	1	04/25/08 06:02	52324
Surr: 2,4,6-Tribromophenol	3.16	S	0	10-110	%REC	1	04/25/08 06:02	52324
E.COLI BY M-COLIBLUE		**M-COLIBLUE**	PrepDate:				Analyst: **SUB**	
E. Coli	1.0	Q	0	1.0	cfu/mL	1	04/15/08 10:00	NA
ENTEROCOCCUS		**E1600**	PrepDate:				Analyst: **SUB**	
Enterococci	7.0	Q	0	1.0	CFU/100m	1	04/15/08 10:00	NA
GIARDIA AND CRYPTOSPORIDIUM		**E1623**	PrepDate:				Analyst: **SUB**	
Cryptosporidium	0.75	U	0.75	0.75	count/100	1	04/15/08 13:04	NA
Giardia	0.75	U	0.75	0.75	count/100	1	04/15/08 13:04	NA

Data Qualifier Code Key:

I	Analyte detected below quantitation limits		Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits		U	Not Detected Above the MDL
V	Analyte detected in the associated Method Blank		x	Value exceeds Maximum Contaminant Level

Analytical Report

CLIENT: City of Rockledge
Client Sample ID: Reuse High Service Pump
Lab Order: F08040642
Collection Date: 4/14/2008 11:25:00 AM
Project: Reuse High Service Pump
Sample Description:
Lab ID: F08040642-001
Matrix: Waste Water

Analyses	Result	Qual	MDL	PQL	Units	DF	Date Analyzed	Batch ID
524.2: TRIHALOMETHANES		**E524.2**	PrepDate: **4/21/2008 8:00:00 A**				Analyst: **CHJ**	
Bromodichloromethane	30		0.25	0.50	µg/L	1	04/21/08 13:52	52378
Bromoform	1.6		0.29	0.50	µg/L	1	04/21/08 13:52	52378
Chloroform	29		0.33	0.50	µg/L	1	04/21/08 13:52	52378
Dibromochloromethane	15		0.30	0.50	µg/L	1	04/21/08 13:52	52378
Trihalomethanes, Total	75		0.50	0.50	µg/L	1	04/21/08 13:52	52378
Surr: 1,2-Dichloroethane-d4	96.6		0	70-130	%REC	1	04/21/08 13:52	52378
Surr: 4-Bromofluorobenzene	85.5		0	70-130	%REC	1	04/21/08 13:52	52378
Surr: Dibromofluoromethane	102		0	70-130	%REC	1	04/21/08 13:52	52378
Surr: Toluene-d8	102		0	70-130	%REC	1	04/21/08 13:52	52378
ANIONS BY IC 300.1		**E300.1**	PrepDate: **4/15/2008 1:15:00 P**				Analyst: **ACO**	
Bromate	3.0	U	3.0	12	µg/L	5	04/15/08 20:23	52230
Chlorite	6.6	U	6.6	25	µg/L	5	04/15/08 20:23	52230
Surr: DCA	93.9		0	90-115	%REC	5	04/15/08 20:23	52230
ANIONS BY ION CHROMATOGRAPHY		**E300.0**	PrepDate:				Analyst: **ACO**	
Chloride	200		0.12	1.0	mg/L	2	04/15/08 05:02	R67276B
Fluoride	0.30		0.012	0.10	mg/L	2	04/15/08 05:02	R67276B
Nitrogen, Nitrate	0.39		0.020	0.10	mg/L	2	04/15/08 05:02	R67276B
Nitrogen, Nitrite	0.011	U	0.011	0.10	mg/L	2	04/15/08 05:02	R67276B
Nitrogen, Nitrate-Nitrite	0.39		0.032	0.10	mg/L	2	04/15/08 05:02	R67276B
Phosphorus, Orthophosphate (As P)	3.7		0.058	0.20	mg/L	2	04/15/08 05:02	R67276B
Sulfate	130		0.17	1.0	mg/L	2	04/15/08 05:02	R67276B
CHLORAMINES		**SM4500-CL D**	PrepDate:				Analyst: **ACO**	
Chloramines	0.61	Q	0.10	0.10	mg/L	1	04/24/08 14:19	R67618
CHLORINE DIOXIDE		**SM4500CIO2**	PrepDate:				Analyst: **HMA**	
Chlorine Dioxide	0.089	UQ	0.089	0.10	mg/L	1	04/15/08 15:27	R67293
CHLORINE, TOTAL RESIDUAL		**SM4500-CL D**	PrepDate:				Analyst: **ACO**	
Chlorine, Residual	0.61	Q	0.10	0.10	mg/L	1	04/24/08 14:19	R67618
COLOR		**SM2120 B**	PrepDate: **4/14/2008**				Analyst: **SAM**	
Color	25	x	5.0	5.0	c.u.	1	04/14/08 17:00	52197
CYANIDE, TOTAL		**E335.4**	PrepDate: **4/21/2008 12:30:00**				Analyst: **HMA**	
Cyanide	0.0060	IV	0.0015	0.010	mg/L	1	04/22/08 16:16	52355
MBAS, CALCULATED AS LAS, MOL WT 340		**SM5540C**	PrepDate: **4/15/2008 5:00:00 P**				Analyst: **HMA**	

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U Not Detected Above the MDL
V	Analyte detected in the associated Method Blank	x Value exceeds Maximum Contaminant Level

Analytical Report

CLIENT:	City of Rockledge	**Client Sample ID:**	Reuse High Service Pump
Lab Order:	F08040642	**Collection Date:**	4/14/2008 11:25:00 AM
Project:	Reuse High Service Pump	**Sample Description:**	
Lab ID:	F08040642-001	**Matrix:**	Waste Water

Analyses	Result	Qual	MDL	PQL	Units	DF	Date Analyzed	Batch ID
MBAS, CALCULATED AS LAS, MOL WT 340		**SM5540C**	PrepDate: **4/15/2008 5:00:00 P**				Analyst: **HMA**	
MBAS	0.13	I	0.043	0.20	mg/L	1	04/15/08 18:06	52235
NITROGEN, AMMONIA		**E350.1**	PrepDate:				Analyst: **TKE**	
Nitrogen, Ammonia (As N)	0.89		0.020	0.050	mg/L	1	04/15/08 17:07	R67289C
NITROGEN, ORGANIC		**SM4500-N C**	PrepDate:				Analyst: **TKE**	
Nitrogen, Organic	1.1		0.095	0.50	mg/L	1	05/05/08 11:16	R67915
NITROGEN, TOTAL		**351.2+353.2**	PrepDate:				Analyst: **SSM**	
Nitrogen, Total	2.4		0.25	0.50	mg/L	1	05/02/08 18:18	R67885
NITROGEN, TOTAL KJELDAHL		**E351.2**	PrepDate: **4/28/2008 10:25:00**				Analyst: **TKE**	
Nitrogen, Kjeldahl, Total	2.0		0.046	0.50	mg/L	1	05/01/08 12:47	52538
PH @ 25°C		**E150.1**	PrepDate: **4/14/2008**				Analyst: **SAM**	
pH	7.47	Q	0.100	0.100	pH units	1	04/14/08 17:00	52196
PHOSPHORUS, TOTAL		**E365.4**	PrepDate: **4/28/2008 10:25:00**				Analyst: **TKE**	
Phosphorus, Total (as P)	3.8		0.050	0.10	mg/L	1	05/01/08 18:34	52538
SOLIDS, TOTAL DISSOLVED		**SM2540 C**	PrepDate: **4/17/2008 10:30:00**				Analyst: **HMA**	
Solids, Total Dissolved	630	x	5.0	5.0	mg/L	1	04/17/08 11:01	52273
UV254 ABSORBANCE		**SM5910 B**	PrepDate:				Analyst: **HMA**	
UV254 Absorbance	0.28		0.0011	0.0040	cm-1	1	04/15/08 11:30	R67283
UV254 Absorbance - Dup	0.28		0.0011	0.0040	cm-1	1	04/15/08 11:30	R67283

Data Qualifier Code Key:				
	I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
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	V	Analyte detected in the associated Method Blank	x	Value exceeds Maximum Contaminant Level

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: 524-THM_W

Sample ID	MB-52378	SampType:	MBLK	TestCode:	524-THM_W	Units:	µg/L	Prep Date:	4/21/2008	RunNo:	67496
Client ID:	MB-52378	Batch ID:	52378	TestNo:	E524.2		SW5030A	Analysis Date:	4/21/2008	SeqNo:	1958628

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Bromodichloromethane	0.25	U	0.25								
Bromoform	0.29	U	0.29								
Chloroform	0.33	U	0.33								
Dibromochloromethane	0.30	U	0.30								
Trihalomethanes, Total	0.50	U	0.50								
Surr: 1,2-Dichloroethane-d4	7.6		0	8.0	0	95.0	70	130			
Surr: 4-Bromofluorobenzene	7.3		0	8.0	0	91.8	70	130			
Surr: Dibromofluoromethane	7.9		0	8.0	0	98.5	70	130			
Surr: Toluene-d8	8.0		0	8.0	0	99.6	70	130			

Sample ID	LCS-52378	SampType:	LCS	TestCode:	524-THM_W	Units:	µg/L	Prep Date:	4/21/2008	RunNo:	67496
Client ID:	LCS-52378	Batch ID:	52378	TestNo:	E524.2		SW5030A	Analysis Date:	4/21/2008	SeqNo:	1958629

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Bromodichloromethane	5.1		0.25	5.0	0	102	70	130			
Bromoform	5.4		0.29	5.0	0	107	70	130			
Chloroform	5.0		0.33	5.0	0	99.8	70	130			
Dibromochloromethane	5.2		0.30	5.0	0	104	70	130			
Surr: 1,2-Dichloroethane-d4	7.6		0	8.0	0	95.2	70	130			
Surr: 4-Bromofluorobenzene	7.8		0	8.0	0	98.1	70	130			
Surr: Dibromofluoromethane	7.9		0	8.0	0	98.5	70	130			
Surr: Toluene-d8	7.9		0	8.0	0	99.1	70	130			

Sample ID	LCSD-52378	SampType:	LCSD	TestCode:	524-THM_W	Units:	µg/L	Prep Date:	4/21/2008	RunNo:	67496
Client ID:	LCSD-52378	Batch ID:	52378	TestNo:	E524.2		SW5030A	Analysis Date:	4/21/2008	SeqNo:	1958630

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: 524-THM_W

Sample ID **LCSD-52378**	SampType: **LCSD**	TestCode: **524-THM_W**	Units: **µg/L**	Prep Date: **4/21/2008**	RunNo: **67496**
Client ID: **LCSD-52378**	Batch ID: **52378**	TestNo: **E524.2**	**SW5030A**	Analysis Date: **4/21/2008**	SeqNo: **1958630**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Bromodichloromethane	5.0		0.25	5.0	0	101	70	130	5.1	1.19	40
Bromoform	5.4		0.29	5.0	0	108	70	130	5.4	1.11	40
Chloroform	4.7		0.33	5.0	0	93.8	70	130	5.0	6.20	40
Dibromochloromethane	5.2		0.30	5.0	0	104	70	130	5.2	0.384	40
Surr: 1,2-Dichloroethane-d4	7.7		0	8.0	0	95.8	70	130	7.6	0	0
Surr: 4-Bromofluorobenzene	8.2		0	8.0	0	103	70	130	7.8	0	0
Surr: Dibromofluoromethane	7.8		0	8.0	0	97.2	70	130	7.9	0	0
Surr: Toluene-d8	7.9		0	8.0	0	99.1	70	130	7.9	0	0

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: 552.2_W

Sample ID	MB-52436	SampType:	MBLK	TestCode:	552.2_W	Units:	µg/L	Prep Date:	4/24/2008	RunNo:	67784
Client ID:	MB-52436	Batch ID:	52436	TestNo:	E552.2		E552.2	Analysis Date:	4/27/2008	SeqNo:	1971102

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Monochloroacetic acid	0.240	U	0.240								
Dichloroacetic acid	0.230	U	0.230								
Trichloroacetic acid	0.240	U	0.240								
Monobromoacetic acid	0.200	U	0.200								
Dibromoacetic acid	0.160	U	0.160								
Total HAA(5)	1.00	U	1.00								
Surr: 2,3-Dibromopropionic acid	10.0			10.0	0	100	70	130			

Sample ID	LCS-52436	SampType:	LCS	TestCode:	552.2_W	Units:	µg/L	Prep Date:	4/24/2008	RunNo:	67784
Client ID:	LCS-52436	Batch ID:	52436	TestNo:	E552.2		E552.2	Analysis Date:	4/27/2008	SeqNo:	1971103

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Monochloroacetic acid	11.6		0.240	10.0	0	116	70	130			
Dichloroacetic acid	11.0		0.230	10.0	0	110	70	130			
Trichloroacetic acid	10.5		0.240	10.0	0	105	70	130			
Monobromoacetic acid	11.2		0.200	10.0	0	112	70	130			
Dibromoacetic acid	10.5		0.160	10.0	0	105	70	130			
Surr: 2,3-Dibromopropionic acid	9.58			10.0	0	95.8	70	130			

Sample ID	F08040662-001JMS	SampType:	MS	TestCode:	552.2_W	Units:	µg/L	Prep Date:	4/24/2008	RunNo:	67784
		Batch ID:	52436	TestNo:	E552.2		E552.2	Analysis Date:	4/27/2008	SeqNo:	1971106

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Monochloroacetic acid	11.7		0.240	10.0	0	117	70	130			
Dichloroacetic acid	16.9		0.230	10.0	6.93	99.4	70	130			
Trichloroacetic acid	11.3		0.240	10.0	1.05	103	70	130			
Monobromoacetic acid	10.5		0.200	10.0	0	105	70	130			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: 552.2_W

Sample ID **F08040662-001JMS** SampType: **MS** TestCode: **552.2_W** Units: **µg/L** Prep Date: **4/24/2008** RunNo: **67784**
Batch ID: **52436** TestNo: **E552.2** **E552.2** Analysis Date: **4/27/2008** SeqNo: **1971106**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Dibromoacetic acid	10.5		0.160	10.0	0.690	98.2	70	130			
Surr: 2,3-Dibromopropionic acid	9.78			10.0	0	97.8	70	130			

Sample ID **F08040662-001JMSD** SampType: **MSD** TestCode: **552.2_W** Units: **µg/L** Prep Date: **4/24/2008** RunNo: **67784**
Batch ID: **52436** TestNo: **E552.2** **E552.2** Analysis Date: **4/27/2008** SeqNo: **1971107**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Monochloroacetic acid	11.9		0.240	10.0	0	119	70	130	11.7	1.44	30
Dichloroacetic acid	16.7		0.230	10.0	6.93	97.7	70	130	16.9	1.01	30
Trichloroacetic acid	11.8		0.240	10.0	1.05	108	70	130	11.3	4.31	30
Monobromoacetic acid	10.7		0.200	10.0	0	107	70	130	10.5	1.61	30
Dibromoacetic acid	10.4		0.160	10.0	0.690	97.1	70	130	10.5	1.05	30
Surr: 2,3-Dibromopropionic acid	9.51			10.0	0	95.1	70	130	9.78	0	0

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W

Sample ID	MB-52324	SampType:	MBLK	TestCode:	8270_W	Units:	µg/L	Prep Date:	4/21/2008	RunNo:	67570
Client ID:	MB-52324	Batch ID:	52324	TestNo:	SW8270		SW3510	Analysis Date:	4/22/2008	SeqNo:	1961811

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Anthracene	0.60	U	0.60								
Butyl benzyl phthalate	0.72	U	0.72								
2-Chlorophenol	0.68	U	0.68								
Diethyl phthalate	0.51	U	0.51								
Dimethyl phthalate	0.64	U	0.64								
Naphthalene	0.78	U	0.78								
N-Nitrosodimethylamine	0.97	U	0.97								
Phenanthrene	0.52	U	0.52								
Phenol	0.54	U	0.54								
2,4,6-Trichlorophenol	0.69	U	0.69								
Surr: 2-Fluorobiphenyl	35		0	50	0	70.9	18	110			
Surr: 2-Fluorophenol	18		0	50	0	36.9	18	110			
Surr: Nitrobenzene-d5	35		0	50	0	69.9	10	110			
Surr: Phenol-d6	12		0	50	0	24.5	10	110			
Surr: p-Terphenyl-d14	42		0	50	0	83.6	10	123			
Surr: 2,4,6-Tribromophenol	42		0	50	0	84.6	10	110			

Sample ID	LCS-52324	SampType:	LCS	TestCode:	8270_W	Units:	µg/L	Prep Date:	4/21/2008	RunNo:	67570
Client ID:	LCS-52324	Batch ID:	52324	TestNo:	SW8270		SW3510	Analysis Date:	4/22/2008	SeqNo:	1961812

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
2-Chlorophenol	31		0.68	50	0	61.0	23.4	108			
Phenol	12		0.54	50	0	23.6	11.6	110			
Surr: 2-Fluorobiphenyl	36		0	50	0	72.4	18	110			
Surr: 2-Fluorophenol	18		0	50	0	35.2	18	110			
Surr: Nitrobenzene-d5	34		0	50	0	68.4	10	110			
Surr: Phenol-d6	14		0	50	0	27.3	10	110			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W

Sample ID	LCS-52324	SampType:	LCS	TestCode:	8270_W	Units:	µg/L	Prep Date:	4/21/2008	RunNo:	67570
Client ID:	LCS-52324	Batch ID:	52324	TestNo:	SW8270		SW3510	Analysis Date:	4/22/2008	SeqNo:	1961812

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Surr: p-Terphenyl-d14	42		0	50	0	84.6	10	123			
Surr: 2,4,6-Tribromophenol	44		0	50	0	87.8	10	110			

Sample ID	LCSD-52324	SampType:	LCSD	TestCode:	8270_W	Units:	µg/L	Prep Date:	4/21/2008	RunNo:	67570
Client ID:	LCSD-52324	Batch ID:	52324	TestNo:	SW8270		SW3510	Analysis Date:	4/22/2008	SeqNo:	1961813

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
2-Chlorophenol	28		0.68	50	0	55.1	23.4	108	31	10.2	40
Phenol	11		0.54	50	0	21.0	11.6	110	12	11.5	40
Surr: 2-Fluorobiphenyl	33		0	50	0	65.3	18	110	36	0	0
Surr: 2-Fluorophenol	15		0	50	0	30.8	18	110	18	0	0
Surr: Nitrobenzene-d5	31		0	50	0	62.1	10	110	34	0	0
Surr: Phenol-d6	12		0	50	0	23.9	10	110	14	0	0
Surr: p-Terphenyl-d14	39		0	50	0	78.0	10	123	42	0	0
Surr: 2,4,6-Tribromophenol	41		0	50	0	81.4	10	110	44	0	0

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: AA-HG245.1_W

Sample ID	MB-52262	SampType:	MBLK	TestCode:	AA-HG245.1_	Units:	µg/L	Prep Date:	4/18/2008	RunNo:	67448
Client ID:	MB-52262	Batch ID:	52262	TestNo:	E245.1		E245.1	Analysis Date:	4/21/2008	SeqNo:	1958191

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Mercury	0.020	U	0.020								

Sample ID	LCS-52262	SampType:	LCS	TestCode:	AA-HG245.1_	Units:	µg/L	Prep Date:	4/18/2008	RunNo:	67448
Client ID:	LCS-52262	Batch ID:	52262	TestNo:	E245.1		E245.1	Analysis Date:	4/21/2008	SeqNo:	1958192

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Mercury	2.1		0.020	2.0	0	104	85	115			

Sample ID	F08040708-005AMS	SampType:	MS	TestCode:	AA-HG245.1_	Units:	µg/L	Prep Date:	4/18/2008	RunNo:	67448
		Batch ID:	52262	TestNo:	E245.1		E245.1	Analysis Date:	4/21/2008	SeqNo:	1958205

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Mercury	2.1		0.020	2.0	0	104	70	130			

Sample ID	F08040760-001EMS	SampType:	MS	TestCode:	AA-HG245.1_	Units:	µg/L	Prep Date:	4/18/2008	RunNo:	67448
		Batch ID:	52262	TestNo:	E245.1		E245.1	Analysis Date:	4/21/2008	SeqNo:	1958226

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Mercury	2.1		0.020	2.0	0	105	70	130			

Sample ID	F08040708-005AMSD	SampType:	MSD	TestCode:	AA-HG245.1_	Units:	µg/L	Prep Date:	4/18/2008	RunNo:	67448
		Batch ID:	52262	TestNo:	E245.1		E245.1	Analysis Date:	4/21/2008	SeqNo:	1958206

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Mercury	2.1		0.020	2.0	0	105	70	130	2.1	0.755	20

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: AA-HG245.1_W

Sample ID	F08040760-001EMSD	SampType:	MSD	TestCode:	AA-HG245.1_	Units:	µg/L	Prep Date:	4/18/2008	RunNo:	67448
		Batch ID:	52262	TestNo:	E245.1	E245.1		Analysis Date:	4/21/2008	SeqNo:	1958228

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Mercury	2.0		0.020	2.0	0	100	70	130	2.1	4.87	20

Sample ID	QCS	SampType:	QCS	TestCode:	AA-HG245.1_	Units:	µg/L	Prep Date:		RunNo:	67448
Client ID:	QCS	Batch ID:	R67448	TestNo:	E245.1			Analysis Date:	4/21/2008	SeqNo:	1958189

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Mercury	4.2		0.020	4.0	0	106	90	110			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: BACT_FECMF

Sample ID	MB-R67298	SampType:	MBLK	TestCode:	BACT_FECM	Units:	cfu/100mL	Prep Date:		RunNo:	67298
Client ID:	MB-R67298	Batch ID:	R67298	TestNo:	SM9222 D			Analysis Date:	4/14/2008	SeqNo:	1949909

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Fecal Coliform (MF)	1.0	U	1.0								

Sample ID	F08040625-008EDUP	SampType:	DUP	TestCode:	BACT_FECM	Units:	cfu/100mL	Prep Date:		RunNo:	67298
		Batch ID:	R67298	TestNo:	SM9222 D			Analysis Date:	4/14/2008	SeqNo:	1949918

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Fecal Coliform (MF)	2.0	UQ	2.0						2.0 U	0	0

Sample ID	F08040625-017DDUP	SampType:	DUP	TestCode:	BACT_FECM	Units:	cfu/100mL	Prep Date:		RunNo:	67298
		Batch ID:	R67298	TestNo:	SM9222 D			Analysis Date:	4/14/2008	SeqNo:	1949928

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Fecal Coliform (MF)	2.0	UQ	2.0						2.0 U	0	0

Sample ID	F08040647-001BDUP	SampType:	DUP	TestCode:	BACT_FECM	Units:	cfu/100mL	Prep Date:		RunNo:	67298
		Batch ID:	R67298	TestNo:	SM9222 D			Analysis Date:	4/14/2008	SeqNo:	1949938

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Fecal Coliform (MF)	2.0	U	2.0						2.0 U	0	0

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: BACT_TOTMF

Sample ID	MB-R67300	SampType:	MBLK	TestCode:	BACT_TOTM	Units:	cfu/100mL	Prep Date:		RunNo:	67300
Client ID:	MB-R67300	Batch ID:	R67300	TestNo:	SM9222 B			Analysis Date:	4/14/2008	SeqNo:	1949957

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Total Coliform (MF)	1.0	U	1.0								

Sample ID	F08040642-001KDUP	SampType:	DUP	TestCode:	BACT_TOTM	Units:	cfu/100mL	Prep Date:		RunNo:	67300
Client ID:	Reuse High Service	Batch ID:	R67300	TestNo:	SM9222 B			Analysis Date:	4/14/2008	SeqNo:	1949959

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Total Coliform (MF)	20	U	20						20 U	0	0

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORAMINES

Sample ID **F08041034-001NDUP** SampType: **DUP** TestCode: **CHLORAMIN** Units: **mg/L** Prep Date: RunNo: **67618**
Batch ID: **R67618** TestNo: **SM4500-Cl D** Analysis Date: **4/24/2008** SeqNo: **1963712**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chloramines	0.10	UQ	0.10						0.10 U	0	20

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: CL2DIOXIDE

Sample ID **F08031146-001ODUP** SampType: **DUP** TestCode: **CL2DIOXIDE** Units: **mg/L** Prep Date: RunNo: **67293**
Batch ID: **R67293** TestNo: **SM4500ClO2** Analysis Date: **4/15/2008** SeqNo: **1949776**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorine Dioxide	0.10	Q	0.089						0.11	**9.52**	0

Sample ID **F08031310-001ODUP** SampType: **DUP** TestCode: **CL2DIOXIDE** Units: **mg/L** Prep Date: RunNo: **67293**
Batch ID: **R67293** TestNo: **SM4500ClO2** Analysis Date: **4/15/2008** SeqNo: **1949787**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorine Dioxide	0.089	UQ	0.089						0.089 U	0	0

Sample ID **F08040283-001NDUP** SampType: **DUP** TestCode: **CL2DIOXIDE** Units: **mg/L** Prep Date: RunNo: **67293**
Batch ID: **R67293** TestNo: **SM4500ClO2** Analysis Date: **4/15/2008** SeqNo: **1949798**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorine Dioxide	0.089	UQ	0.089						0.089 U	0	0

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: CL2-RES-SM4500

Sample ID	MB-R67618	SampType:	MBLK	TestCode:	CL2-RES-SM	Units:	mg/L	Prep Date:		RunNo:	67618
Client ID:	MB-R67618	Batch ID:	R67618	TestNo:	SM4500-Cl D			Analysis Date:	4/24/2008	SeqNo:	1963713

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorine, Residual	0.10	U	0.10								

Sample ID	LCS-R67618	SampType:	LCS	TestCode:	CL2-RES-SM	Units:	mg/L	Prep Date:		RunNo:	67618
Client ID:	LCS-R67618	Batch ID:	R67618	TestNo:	SM4500-Cl D			Analysis Date:	4/24/2008	SeqNo:	1963714

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorine, Residual	0.93		0.10	1.0	0	93.0	90	110			

Sample ID	F08041034-001NMS	SampType:	MS	TestCode:	CL2-RES-SM	Units:	mg/L	Prep Date:		RunNo:	67618
		Batch ID:	R67618	TestNo:	SM4500-Cl D			Analysis Date:	4/24/2008	SeqNo:	1963726

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorine, Residual	0.80	Q	0.10	1.0	0	80.0	80	120			

Sample ID	F08041034-001NDUP	SampType:	DUP	TestCode:	CL2-RES-SM	Units:	mg/L	Prep Date:		RunNo:	67618
		Batch ID:	R67618	TestNo:	SM4500-Cl D			Analysis Date:	4/24/2008	SeqNo:	1963725

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorine, Residual	0.10	UQ	0.10						0.10 U	0	20

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: CN335.4_W

Sample ID	LCS-LOW	SampType:	LCS-LOW	TestCode:	CN335.4_W	Units:	mg/L	Prep Date:	4/21/2008	RunNo:	67515
Client ID:	LCS-LOW	Batch ID:	52355	TestNo:	E335.4	E335.4		Analysis Date:	4/22/2008	SeqNo:	1959715

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Cyanide	0.048		0.0015	0.050	0.0030	90.0	90	110			

Sample ID	MB-52355	SampType:	MBLK	TestCode:	CN335.4_W	Units:	mg/L	Prep Date:	4/21/2008	RunNo:	67515
Client ID:	MB-52355	Batch ID:	52355	TestNo:	E335.4	E335.4		Analysis Date:	4/22/2008	SeqNo:	1959714

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Cyanide	**0.0030**	I	0.0015								

Sample ID	LCS-52355	SampType:	LCS	TestCode:	CN335.4_W	Units:	mg/L	Prep Date:	4/21/2008	RunNo:	67515
Client ID:	LCS-52355	Batch ID:	52355	TestNo:	E335.4	E335.4		Analysis Date:	4/22/2008	SeqNo:	1959716

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Cyanide	0.20		0.0015	0.20	0.0030	97.5	90	110			

Sample ID	F08040573-010AMS	SampType:	MS	TestCode:	CN335.4_W	Units:	mg/L	Prep Date:	4/21/2008	RunNo:	67515
		Batch ID:	52355	TestNo:	E335.4	E335.4		Analysis Date:	4/22/2008	SeqNo:	1959718

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Cyanide	0.20		0.0015	0.20	0.0020	99.5	90	110			

Sample ID	F08040693-005BMS	SampType:	MS	TestCode:	CN335.4_W	Units:	mg/L	Prep Date:	4/21/2008	RunNo:	67515
		Batch ID:	52355	TestNo:	E335.4	E335.4		Analysis Date:	4/22/2008	SeqNo:	1959772

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Cyanide	0.21		0.0015	0.20	0.0030	106	90	110			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: CN335.4_W

Sample ID	F08040573-010AMSD	SampType:	MSD	TestCode:	CN335.4_W	Units:	mg/L	Prep Date:	4/21/2008	RunNo:	67515
		Batch ID:	52355	TestNo:	E335.4		E335.4	Analysis Date:	4/22/2008	SeqNo:	1959719

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Cyanide	0.19		0.0015	0.20	0.0020	95.0	90	110	0.20	4.58	20

Sample ID	F08040693-005BMSD	SampType:	MSD	TestCode:	CN335.4_W	Units:	mg/L	Prep Date:	4/21/2008	RunNo:	67515
		Batch ID:	52355	TestNo:	E335.4		E335.4	Analysis Date:	4/22/2008	SeqNo:	1959725

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Cyanide	0.22		0.0015	0.20	0.0030	108	90	110	0.21	2.31	20

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: COLOR_W

Sample ID	MB-52197	SampType:	MBLK	TestCode:	COLOR_W	Units:	c.u.	Prep Date:	4/14/2008	RunNo:	67262
Client ID:	MB-52197	Batch ID:	52197	TestNo:	SM2120 B		SM2120 B	Analysis Date:	4/14/2008	SeqNo:	1948096

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Color	5.0	U	5.0								

Sample ID	LCS-52197	SampType:	LCS	TestCode:	COLOR_W	Units:	c.u.	Prep Date:	4/14/2008	RunNo:	67262
Client ID:	LCS-52197	Batch ID:	52197	TestNo:	SM2120 B		SM2120 B	Analysis Date:	4/14/2008	SeqNo:	1948097

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Color	20		5.0	20	0	100	90	110			

Sample ID	F08040628-001LDUP	SampType:	DUP	TestCode:	COLOR_W	Units:	c.u.	Prep Date:	4/14/2008	RunNo:	67262
		Batch ID:	52197	TestNo:	SM2120 B		SM2120 B	Analysis Date:	4/14/2008	SeqNo:	1948099

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Color	5.0	U	5.0						5.0 U	0	20

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: IC300.1_W

Sample ID	F08040628-001QMS	SampType:	MS	TestCode:	IC300.1_W	Units:	µg/L	Prep Date:	4/15/2008	RunNo:	67319
		Batch ID:	52230	TestNo:	E300.1	E300.1		Analysis Date:	4/15/2008	SeqNo:	1950710

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Bromate	12		0.59	12	0	94.8	75	125			
Chlorite	24		1.3	25	0	97.2	75	125			
Surr: DCA	940		0	1000	0	94.3	90	115			

Sample ID	F08040676-001AMS	SampType:	MS	TestCode:	IC300.1_W	Units:	µg/L	Prep Date:	4/15/2008	RunNo:	67319
		Batch ID:	52230	TestNo:	E300.1	E300.1		Analysis Date:	4/16/2008	SeqNo:	1950735

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Bromate	9.6		0.59	12	0	77.1	75	125			
Chlorite	18	S	1.3	25	0	**71.6**	75	125			
Surr: DCA	930		0	1000	0	92.8	90	115			

Sample ID	F08040628-001QDUP	SampType:	DUP	TestCode:	IC300.1_W	Units:	µg/L	Prep Date:	4/15/2008	RunNo:	67319
		Batch ID:	52230	TestNo:	E300.1	E300.1		Analysis Date:	4/15/2008	SeqNo:	1950709

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Bromate	0.59	U	0.59						0.59 U	0	20
Chlorite	1.3	U	1.3						1.3 U	0	20
Surr: DCA	950		0	1000	0	94.9	90	115	940	0	0

Sample ID	F08040676-001ADUP	SampType:	DUP	TestCode:	IC300.1_W	Units:	µg/L	Prep Date:	4/15/2008	RunNo:	67319
		Batch ID:	52230	TestNo:	E300.1	E300.1		Analysis Date:	4/16/2008	SeqNo:	1950733

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Bromate	0.59	U	0.59						0.59 U	0	20
Chlorite	1.3	U	1.3						1.3 U	0	20

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: IC300.1_W

Sample ID	F08040676-001ADUP	SampType:	DUP	TestCode:	IC300.1_W	Units:	µg/L	Prep Date:	4/15/2008	RunNo:	67319
		Batch ID:	52230	TestNo:	E300.1		E300.1	Analysis Date:	4/16/2008	SeqNo:	1950733

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Surr: DCA	930		0	1000	0	92.7	90	115	930	0	0

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: IC300_W

Sample ID **MB** SampType: **MBLK** TestCode: **IC300_W** Units: **mg/L** Prep Date: RunNo: **67276**
Client ID: **MB** Batch ID: **R67276B** TestNo: **E300.0** Analysis Date: **4/14/2008** SeqNo: **1948802**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chloride	0.060	U	0.060								
Fluoride	0.0062	U	0.0062								
Nitrogen, Nitrate	0.010	U	0.010								
Nitrogen, Nitrite	0.0057	U	0.0057								
Nitrogen, Nitrate-Nitrite	0.016	U	0.016								
Phosphorus, Orthophosphate (As P)	0.029	U	0.029								
Sulfate	0.085	U	0.085								

Sample ID **LCS** SampType: **LCS** TestCode: **IC300_W** Units: **mg/L** Prep Date: RunNo: **67276**
Client ID: **LCS** Batch ID: **R67276B** TestNo: **E300.0** Analysis Date: **4/14/2008** SeqNo: **1948804**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chloride	5.0		0.060	5.0	0	101	90	110			
Fluoride	0.49		0.0062	0.50	0	97.9	90	110			
Nitrogen, Nitrate	0.49		0.010	0.50	0	97.6	90	110			
Nitrogen, Nitrite	0.48		0.0057	0.50	0	95.3	90	110			
Nitrogen, Nitrate-Nitrite	0.96		0.016	1.0	0	96.4	90	110			
Phosphorus, Orthophosphate (As P)	1.0		0.029	1.0	0	104	90	110			
Sulfate	5.0		0.085	5.0	0	100	90	110			

Sample ID **F08040489-010AMS** SampType: **MS** TestCode: **IC300_W** Units: **mg/L** Prep Date: RunNo: **67276**
Batch ID: **R67276B** TestNo: **E300.0** Analysis Date: **4/15/2008** SeqNo: **1948816**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chloride	150	S	0.060	10	150	**60.1**	90	110			
Fluoride	1.3	S	0.0062	1.0	0.44	**86.3**	90	110			
Nitrogen, Nitrate	0.90	Q	0.010	1.0	0	90.1	90	110			

Data Qualifier Code Key:

I Analyte detected below quantitation limits
Q Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits
U Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: IC300_W

Sample ID **F08040489-010AMS** SampType: **MS** TestCode: **IC300_W** Units: **mg/L** Prep Date: RunNo: **67276**
Batch ID: **R67276B** TestNo: **E300.0** Analysis Date: **4/15/2008** SeqNo: **1948816**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Nitrite	0.83	QS	0.0057	1.0	0	**82.7**	90	110			
Nitrogen, Nitrate-Nitrite	1.7	QS	0.016	2.0	0	**86.4**	90	110			
Phosphorus, Orthophosphate (As P)	1.8	Q	0.029	2.0	0	90.7	90	110			
Sulfate	100	S	0.085	10	92	**75.3**	90	110			

Sample ID **F08040619-003AMS** SampType: **MS** TestCode: **IC300_W** Units: **mg/L** Prep Date: RunNo: **67276**
Batch ID: **R67276B** TestNo: **E300.0** Analysis Date: **4/15/2008** SeqNo: **1948832**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chloride	5000		6.0	1000	4100	91.1	90	110			
Fluoride	94		0.62	100	0	94.4	90	110			
Nitrogen, Nitrate	94	Q	1.0	100	0	94.4	90	110			
Nitrogen, Nitrite	89	QS	0.57	100	0	**89.0**	90	110			
Nitrogen, Nitrate-Nitrite	180	Q	1.6	200	0	91.7	90	110			
Phosphorus, Orthophosphate (As P)	190	Q	2.9	200	0	97.1	90	110			
Sulfate	1400		8.5	1000	470	91.4	90	110			

Sample ID **F08040489-010AMSD** SampType: **MSD** TestCode: **IC300_W** Units: **mg/L** Prep Date: RunNo: **67276**
Batch ID: **R67276B** TestNo: **E300.0** Analysis Date: **4/15/2008** SeqNo: **1948818**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chloride	150	S	0.060	10	150	**63.5**	90	110	150	0.220	20
Fluoride	1.4		0.0062	1.0	0.44	93.6	90	110	1.3	5.44	20
Nitrogen, Nitrate	0.95	Q	0.010	1.0	0	95.4	90	110	0.90	5.75	20
Nitrogen, Nitrite	0.88	QS	0.0057	1.0	0	**88.2**	90	110	0.83	6.39	20
Nitrogen, Nitrate-Nitrite	1.8	Q	0.016	2.0	0	91.8	90	110	1.7	6.06	20
Phosphorus, Orthophosphate (As P)	2.0	Q	0.029	2.0	0	98.2	90	110	1.8	8.03	20

Data Qualifier Code Key:
I Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
Q Holding times for preparation or analysis exceeded
U Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: IC300_W

Sample ID **F08040489-010AMSD** SampType: **MSD** TestCode: **IC300_W** Units: **mg/L** Prep Date: RunNo: **67276**
Batch ID: **R67276B** TestNo: **E300.0** Analysis Date: **4/15/2008** SeqNo: **1948818**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Sulfate	100	S	0.085	10	92	**79.1**	90	110	100	0.386	20

Sample ID **F08040619-003AMSD** SampType: **MSD** TestCode: **IC300_W** Units: **mg/L** Prep Date: RunNo: **67276**
Batch ID: **R67276B** TestNo: **E300.0** Analysis Date: **4/15/2008** SeqNo: **1948834**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chloride	5000		6.0	1000	4100	91.0	90	110	6.0 U	0.0318	20
Fluoride	95		0.62	100	0	95.2	90	110	94	0.889	20
Nitrogen, Nitrate	94	Q	1.0	100	0	94.4	90	110	94	0.0174	20
Nitrogen, Nitrite	89	QS	0.57	100	0	**89.3**	90	110	89	0.321	20
Nitrogen, Nitrate-Nitrite	180	Q	1.6	200	0	91.9	90	110	180	0.147	20
Phosphorus, Orthophosphate (As P)	190	Q	2.9	200	0	95.8	90	110	2.9 U	1.29	20
Sulfate	1400		8.5	1000	470	92.2	90	110	8.5 U	0.559	20

Data Qualifier Code Key:

I Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
Q Holding times for preparation or analysis exceeded
U Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP-200.7_W

Sample ID	MB-52237	SampType:	MBLK	TestCode:	ICP-200.7_W	Units:	µg/L	Prep Date:	4/16/2008	RunNo:	67324
Client ID:	MB-52237	Batch ID:	52237	TestNo:	E200.7		SW3005A	Analysis Date:	4/16/2008	SeqNo:	1954060

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Barium	5.0	U	5.0								
Beryllium	0.50	U	0.50								
Cadmium	0.50	U	0.50								
Chromium	2.5	U	2.5								
Iron	20	U	20								
Manganese	2.5	U	2.5								
Nickel	2.5	U	2.5								
Silver	2.5	U	2.5								
Sodium	500	U	500								
Zinc	10	U	10								

Sample ID	LCS-52237	SampType:	LCS	TestCode:	ICP-200.7_W	Units:	µg/L	Prep Date:	4/16/2008	RunNo:	67324
Client ID:	LCS-52237	Batch ID:	52237	TestNo:	E200.7		SW3005A	Analysis Date:	4/16/2008	SeqNo:	1954066

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Barium	270		5.0	250	0	107	90	110			
Beryllium	26		0.50	25	0	104	90	110			
Cadmium	27		0.50	25	0	109	90	110			
Chromium	270		2.5	250	0	107	90	110			
Iron	2600		20	2500	0	105	90	110			
Manganese	270		2.5	250	0	108	90	110			
Nickel	260		2.5	250	0	104	90	110			
Silver	27		2.5	25	0	106	90	110			
Sodium	13000		500	12000	0	103	85	115			
Zinc	1300		10	1200	0	105	85	115			

Data Qualifier Code Key:

I Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
Q Holding times for preparation or analysis exceeded
U Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP-200.7_W

Sample ID **F08040663-008EMS** SampType: **MS** TestCode: **ICP-200.7_W** Units: **µg/L** Prep Date: **4/16/2008** RunNo: **67324**
Batch ID: **52237** TestNo: **E200.7** **SW3005A** Analysis Date: **4/16/2008** SeqNo: **1954112**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Barium	240		5.0	250	26	83.6	70	130			
Beryllium	19		0.50	25	0	77.2	70	130			
Cadmium	23		0.50	25	0	90.8	70	130			
Chromium	220		2.5	250	0	86.8	70	130			
Iron	2400		20	2500	320	82.4	70	130			
Manganese	230		2.5	250	7.3	88.7	70	130			
Nickel	230		2.5	250	0	90.4	70	130			
Silver	40		2.5	25	12	115	70	130			
Zinc	1300		10	1200	0	102	70	130			

Sample ID **F08040663-008EMS** SampType: **MS** TestCode: **ICP-200.7_W** Units: **µg/L** Prep Date: **4/16/2008** RunNo: **67452**
Batch ID: **52237** TestNo: **E200.7** **SW3005A** Analysis Date: **4/18/2008** SeqNo: **1957244**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Sodium	4400000	S	5000	12000	4500000	**-800**	70	130			

Sample ID **F08040663-008EMSD** SampType: **MSD** TestCode: **ICP-200.7_W** Units: **µg/L** Prep Date: **4/16/2008** RunNo: **67324**
Batch ID: **52237** TestNo: **E200.7** **SW3005A** Analysis Date: **4/16/2008** SeqNo: **1954115**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Barium	230		5.0	250	26	83.2	70	130	5.0 U	0.426	20
Beryllium	19		0.50	25	0	75.6	70	130	19	2.09	20
Cadmium	22		0.50	25	0	88.0	70	130	23	3.13	20
Chromium	210		2.5	250	0	84.8	70	130	220	2.33	20
Iron	2300		20	2500	320	80.4	70	130	2400	2.12	20
Manganese	220		2.5	250	7.3	87.1	70	130	230	1.76	20
Nickel	220		2.5	250	0	88.4	70	130	230	2.24	20

Data Qualifier Code Key:

I Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
Q Holding times for preparation or analysis exceeded
U Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP-200.7_W

Sample ID	F08040663-008EMSD	SampType:	MSD	TestCode:	ICP-200.7_W	Units:	µg/L	Prep Date:	4/16/2008	RunNo:	67324
		Batch ID:	52237	TestNo:	E200.7		SW3005A	Analysis Date:	4/16/2008	SeqNo:	1954115

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Silver	40		2.5	25	12	116	70	130	40	0.248	20
Zinc	1300		10	1200	0	101	70	130	1300	0.791	20

Sample ID	F08040663-008EMSD	SampType:	MSD	TestCode:	ICP-200.7_W	Units:	µg/L	Prep Date:	4/16/2008	RunNo:	67452
		Batch ID:	52237	TestNo:	E200.7		SW3005A	Analysis Date:	4/18/2008	SeqNo:	1957245

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Sodium	4300000	S	5000	12000	4500000	**-1920**	70	130	5000 U	3.23	20

Sample ID	QCS	SampType:	QCS	TestCode:	ICP-200.7_W	Units:	µg/L	Prep Date:		RunNo:	67324
Client ID:	QCS	Batch ID:	R67324	TestNo:	E200.7			Analysis Date:	4/16/2008	SeqNo:	1951563

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Barium	510		5.0	500	0	101	90	110			
Beryllium	51		0.50	50	0	102	90	110			
Cadmium	51		0.50	50	0	102	90	110			
Chromium	510		2.5	500	0	101	90	110			
Iron	5000		20	5000	0	101	90	110			
Manganese	510		2.5	500	0	102	90	110			
Nickel	500		2.5	500	0	99.2	90	110			
Silver	48		2.5	50	0	97.0	90	110			
Sodium	25000		500	25000	0	100	90	110			
Zinc	2500		10	2500	0	99.2	90	110			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP-200.7_W

Sample ID	QCS	SampType:	QCS	TestCode:	ICP-200.7_W	Units:	µg/L	Prep Date:		RunNo:	67452
Client ID:	QCS	Batch ID:	R67452	TestNo:	E200.7			Analysis Date:	4/18/2008	SeqNo:	1957227

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Barium	500		5.0	500	0	101	90	110			
Beryllium	50		0.50	50	0	100	90	110			
Cadmium	50		0.50	50	0	100	90	110			
Chromium	500		2.5	500	0	99.6	90	110			
Iron	5000		20	5000	0	99.2	90	110			
Manganese	500		2.5	500	0	100	90	110			
Nickel	490		2.5	500	0	97.8	90	110			
Silver	48		2.5	50	0	95.8	90	110			
Sodium	25000		500	25000	0	101	90	110			
Zinc	2400		10	2500	0	96.8	90	110			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP-200.8_W

Sample ID	MB-52237	SampType:	MBLK	TestCode:	ICP-200.8_W	Units:	µg/L	Prep Date:	4/16/2008	RunNo:	67361
Client ID:	MB-52237	Batch ID:	52237	TestNo:	E200.8		SW3005A	Analysis Date:	4/18/2008	SeqNo:	1956493

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Aluminum	6.2	U	6.2								
Antimony	0.50	U	0.50								
Arsenic	0.50	U	0.50								
Copper	0.56	U	0.56								
Lead	0.50	U	0.50								
Selenium	0.50	U	0.50								
Thallium	0.50	U	0.50								

Sample ID	LCS-52237	SampType:	LCS	TestCode:	ICP-200.8_W	Units:	µg/L	Prep Date:	4/16/2008	RunNo:	67361
Client ID:	LCS-52237	Batch ID:	52237	TestNo:	E200.8		SW3005A	Analysis Date:	4/18/2008	SeqNo:	1956494

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Aluminum	500		6.2	500	0	99.3	85	115			
Antimony	50		0.50	50	0	101	85	115			
Arsenic	51		0.50	50	0	101	85	115			
Copper	49		0.56	50	0	97.8	85	115			
Lead	51		0.50	50	0	102	85	115			
Selenium	51		0.50	50	0	103	85	115			
Thallium	51		0.50	50	0	102	85	115			

Sample ID	F08040642-001AMS	SampType:	MS	TestCode:	ICP-200.8_W	Units:	µg/L	Prep Date:	4/16/2008	RunNo:	67361
Client ID:	Reuse High Service	Batch ID:	52237	TestNo:	E200.8		SW3005A	Analysis Date:	4/18/2008	SeqNo:	1956496

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Aluminum	500		6.2	500	21	95.8	85	115			
Antimony	52		0.50	50	0	104	85	115			
Arsenic	50		0.50	50	0	100	85	115			

Data Qualifier Code Key:

I Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
Q Holding times for preparation or analysis exceeded
U Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP-200.8_W

Sample ID	F08040642-001AMS	SampType:	MS	TestCode:	ICP-200.8_W	Units:	µg/L	Prep Date:	4/16/2008	RunNo:	67361
Client ID:	Reuse High Service	Batch ID:	52237	TestNo:	E200.8		SW3005A	Analysis Date:	4/18/2008	SeqNo:	1956496

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Copper	46		0.56	50	1.1	90.7	85	115			
Lead	52		0.50	50	0	103	85	115			
Selenium	51		0.50	50	0	101	85	115			
Thallium	51		0.50	50	0	102	85	115			

Sample ID	F08040642-001AMSD	SampType:	MSD	TestCode:	ICP-200.8_W	Units:	µg/L	Prep Date:	4/16/2008	RunNo:	67361
Client ID:	Reuse High Service	Batch ID:	52237	TestNo:	E200.8		SW3005A	Analysis Date:	4/18/2008	SeqNo:	1956499

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Aluminum	500		6.2	500	21	95.0	85	115	6.2 U	0.851	20
Antimony	50		0.50	50	0	101	85	115	52	3.11	20
Arsenic	54		0.50	50	0	107	85	115	50	6.37	20
Copper	49		0.56	50	1.1	95.6	85	115	46	5.09	20
Lead	51		0.50	50	0	102	85	115	52	1.38	20
Selenium	52		0.50	50	0	103	85	115	51	1.92	20
Thallium	50		0.50	50	0	101	85	115	51	1.32	20

Sample ID	QCS S-2701	SampType:	QCS	TestCode:	ICP-200.8_W	Units:	µg/L	Prep Date:		RunNo:	67361
Client ID:	QCS S-2701	Batch ID:	R67361	TestNo:	E200.8			Analysis Date:	4/18/2008	SeqNo:	1956432

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Aluminum	520		6.2	500	0	104	90	110			
Antimony	76		0.50	75	0	101	90	110			
Arsenic	53		0.50	50	0	107	90	110			
Copper	26		0.56	25	0	103	90	110			
Lead	50		0.50	50	0	101	90	110			
Selenium	77		0.50	75	0	103	90	110			

Data Qualifier Code Key:

I Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
Q Holding times for preparation or analysis exceeded
U Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP-200.8_W

Sample ID	**QCS S-2701**	SampType:	**QCS**	TestCode:	**ICP-200.8_W**	Units:	**µg/L**	Prep Date:			RunNo:	**67361**
Client ID:	**QCS S-2701**	Batch ID:	**R67361**	TestNo:	**E200.8**			Analysis Date:	**4/18/2008**		SeqNo:	**1956432**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Thallium	75		0.50	75	0	100	90	110			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: MBAS_W

Sample ID	MB-52235	SampType:	MBLK	TestCode:	MBAS_W	Units:	mg/L	Prep Date:	4/15/2008	RunNo:	67302
Client ID:	MB-52235	Batch ID:	52235	TestNo:	SM5540C		SM5540C	Analysis Date:	4/15/2008	SeqNo:	1950035

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
MBAS	0.043	U	0.043								

Sample ID	LCS-52235	SampType:	LCS	TestCode:	MBAS_W	Units:	mg/L	Prep Date:	4/15/2008	RunNo:	67302
Client ID:	LCS-52235	Batch ID:	52235	TestNo:	SM5540C		SM5540C	Analysis Date:	4/15/2008	SeqNo:	1950036

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
MBAS	0.36		0.043	0.40	0	90.0	90	110			

Sample ID	F08040628-001LMS	SampType:	MS	TestCode:	MBAS_W	Units:	mg/L	Prep Date:	4/15/2008	RunNo:	67302
		Batch ID:	52235	TestNo:	SM5540C		SM5540C	Analysis Date:	4/15/2008	SeqNo:	1950039

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
MBAS	0.29		0.043	0.30	0	96.7	80	120			

Sample ID	F08040628-001LDUP	SampType:	DUP	TestCode:	MBAS_W	Units:	mg/L	Prep Date:	4/15/2008	RunNo:	67302
		Batch ID:	52235	TestNo:	SM5540C		SM5540C	Analysis Date:	4/15/2008	SeqNo:	1950038

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
MBAS	0.043	U	0.043						0.043 U	0	20

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: N-NH3_W

Sample ID	QCS	SampType:	QCS	TestCode:	N-NH3_W	Units:	mg/L	Prep Date:		RunNo:	67289
Client ID:	QCS	Batch ID:	R67289	TestNo:	E350.1			Analysis Date:	4/15/2008	SeqNo:	1950021

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Ammonia (As N)	11		0.020	11	0	96.4	90	110			

Sample ID	CCB	SampType:	ABLK	TestCode:	N-NH3_W	Units:	mg/L	Prep Date:		RunNo:	67289
Client ID:	CCB	Batch ID:	R67289	TestNo:	E350.1			Analysis Date:	4/15/2008	SeqNo:	1950022

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Ammonia (As N)	0.020	U	0.020								

Sample ID	F08040625-007CMS	SampType:	MS	TestCode:	N-NH3_W	Units:	mg/L	Prep Date:		RunNo:	67289
		Batch ID:	R67289C	TestNo:	E350.1			Analysis Date:	4/15/2008	SeqNo:	1950175

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Ammonia (As N)	0.96	S	0.020	1.0	0.080	**88.1**	90	110			

Sample ID	F08040625-007CDUP	SampType:	DUP	TestCode:	N-NH3_W	Units:	mg/L	Prep Date:		RunNo:	67289
		Batch ID:	R67289C	TestNo:	E350.1			Analysis Date:	4/15/2008	SeqNo:	1950174

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Ammonia (As N)	0.088		0.020						0.080	9.52	20

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: N-TKN_W

Sample ID	MB-52538	SampType:	MBLK	TestCode:	N-TKN_W	Units:	mg/L	Prep Date:	4/28/2008	RunNo:	67819
Client ID:	MB-52538	Batch ID:	52538	TestNo:	E351.2	E351.2		Analysis Date:	5/1/2008	SeqNo:	1974558

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Kjeldahl, Total	0.046	U	0.046								

Sample ID	LCS-52538	SampType:	LCS	TestCode:	N-TKN_W	Units:	mg/L	Prep Date:	4/28/2008	RunNo:	67819
Client ID:	LCS-52538	Batch ID:	52538	TestNo:	E351.2	E351.2		Analysis Date:	5/1/2008	SeqNo:	1974560

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Kjeldahl, Total	21		0.046	20	0	103	90	110			

Sample ID	F08040625-001CMS	SampType:	MS	TestCode:	N-TKN_W	Units:	mg/L	Prep Date:	4/28/2008	RunNo:	67819
		Batch ID:	52538	TestNo:	E351.2	E351.2		Analysis Date:	5/1/2008	SeqNo:	1974566

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Kjeldahl, Total	6.8		0.046	6.0	0.98	96.2	90	110			

Sample ID	F08040625-001CDUP	SampType:	DUP	TestCode:	N-TKN_W	Units:	mg/L	Prep Date:	4/28/2008	RunNo:	67819
		Batch ID:	52538	TestNo:	E351.2	E351.2		Analysis Date:	5/1/2008	SeqNo:	1974564

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Kjeldahl, Total	0.94		0.046						0.98	4.17	20

Sample ID	QCS	SampType:	QCS	TestCode:	N-TKN_W	Units:	mg/L	Prep Date:		RunNo:	67819
Client ID:	QCS	Batch ID:	R67819	TestNo:	E351.2			Analysis Date:	5/1/2008	SeqNo:	1974552

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Nitrogen, Kjeldahl, Total	20		0.046	20	0	100	90	110			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: PH150_DW

Sample ID **F08040628-001LDUP** SampType: **DUP** TestCode: **PH150_DW** Units: **pH units** Prep Date: **4/14/2008** RunNo: **67266**
Batch ID: **52196** TestNo: **E150.1** **SM4500 H B** Analysis Date: **4/14/2008** SeqNo: **1948245**

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
pH	6.97	Q	0.100						6.96	0.144	20

Data Qualifier Code Key:

I Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
Q Holding times for preparation or analysis exceeded
U Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: P-TOT_W

Sample ID	MB-52538	SampType:	MBLK	TestCode:	P-TOT_W	Units:	mg/L	Prep Date:	4/28/2008	RunNo:	67819
Client ID:	MB-52538	Batch ID:	52538	TestNo:	E365.4		E351.2	Analysis Date:	5/1/2008	SeqNo:	1974559

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Phosphorus, Total (as P)	0.050	U	0.050								

Sample ID	LCS-52538	SampType:	LCS	TestCode:	P-TOT_W	Units:	mg/L	Prep Date:	4/28/2008	RunNo:	67819
Client ID:	LCS-52538	Batch ID:	52538	TestNo:	E365.4		E351.2	Analysis Date:	5/1/2008	SeqNo:	1974561

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Phosphorus, Total (as P)	4.0		0.050	4.0	0	99.0	90	110			

Sample ID	F08040625-001CMS	SampType:	MS	TestCode:	P-TOT_W	Units:	mg/L	Prep Date:	4/28/2008	RunNo:	67819
		Batch ID:	52538	TestNo:	E365.4		E351.2	Analysis Date:	5/1/2008	SeqNo:	1974567

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Phosphorus, Total (as P)	1.2		0.050	1.2	0	104	80	120			

Sample ID	F08040625-001CDUP	SampType:	DUP	TestCode:	P-TOT_W	Units:	mg/L	Prep Date:	4/28/2008	RunNo:	67819
		Batch ID:	52538	TestNo:	E365.4		E351.2	Analysis Date:	5/1/2008	SeqNo:	1974565

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Phosphorus, Total (as P)	0.060	I	0.050						0.050 U	0	20

Sample ID	QCS	SampType:	QCS	TestCode:	P-TOT_W	Units:	mg/L	Prep Date:		RunNo:	67819
Client ID:	QCS	Batch ID:	R67819	TestNo:	E365.4			Analysis Date:	5/1/2008	SeqNo:	1974553

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Phosphorus, Total (as P)	3.9		0.050	4.0	0	98.0	90	110			

Data Qualifier Code Key:

I Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
Q Holding times for preparation or analysis exceeded
U Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: P-TOT_W

Sample ID	QCS	SampType:	QCS	TestCode:	P-TOT_W	Units:	mg/L	Prep Date:		RunNo:	67845
Client ID:	QCS	Batch ID:	R67845	TestNo:	E365.4			Analysis Date:	5/1/2008	SeqNo:	1975233

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Phosphorus, Total (as P)	4.0		0.050	4.0	0	99.2	90	110			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: SOLIDS-TDS

Sample ID	MB-52273	SampType:	MBLK	TestCode:	SOLIDS-TDS	Units:	mg/L	Prep Date:	4/17/2008	RunNo:	67347
Client ID:	MB-52273	Batch ID:	52273	TestNo:	SM2540 C	SM2540 C		Analysis Date:	4/17/2008	SeqNo:	1957807

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Solids, Total Dissolved	5.0	U	5.0								

Sample ID	LCS-52273	SampType:	LCS	TestCode:	SOLIDS-TDS	Units:	mg/L	Prep Date:	4/17/2008	RunNo:	67347
Client ID:	LCS-52273	Batch ID:	52273	TestNo:	SM2540 C	SM2540 C		Analysis Date:	4/17/2008	SeqNo:	1957808

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Solids, Total Dissolved	300		5.0	300	0	100	90	110			

Sample ID	F08040564-003ADUP	SampType:	DUP	TestCode:	SOLIDS-TDS	Units:	mg/L	Prep Date:	4/17/2008	RunNo:	67347
		Batch ID:	52273	TestNo:	SM2540 C	SM2540 C		Analysis Date:	4/17/2008	SeqNo:	1957810

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Solids, Total Dissolved	740	x	5.0						730	1.36	20

Sample ID	F08040642-001BDUP	SampType:	DUP	TestCode:	SOLIDS-TDS	Units:	mg/L	Prep Date:	4/17/2008	RunNo:	67347
Client ID:	Reuse High Service	Batch ID:	52273	TestNo:	SM2540 C	SM2540 C		Analysis Date:	4/17/2008	SeqNo:	1957830

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Solids, Total Dissolved	630	x	5.0						630	0	20

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

CLIENT: City of Rockledge
Work Order: F08040642
Project: Reuse High Service Pump

ANALYTICAL QC SUMMARY REPORT

TestCode: UV254

Sample ID	MB-R67283	SampType:	MBLK	TestCode:	UV254	Units:	cm-1	Prep Date:		RunNo:	67283
Client ID:	MB-R67283	Batch ID:	R67283	TestNo:	SM5910 B			Analysis Date:	4/15/2008	SeqNo:	1949101

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
UV254 Absorbance	0.0011	U	0.0011								
UV254 Absorbance - Dup	0.0011	U	0.0011								

Sample ID	LCS-R67283	SampType:	LCS	TestCode:	UV254	Units:	cm-1	Prep Date:		RunNo:	67283
Client ID:	LCS-R67283	Batch ID:	R67283	TestNo:	SM5910 B			Analysis Date:	4/15/2008	SeqNo:	1949102

Analyte	Result	Qual	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
UV254 Absorbance	0.0082		0.0011	0.0090	0	91.1	75	125			
UV254 Absorbance - Dup	0.0083		0.0011	0.0090	0	92.2	75	125			

Data Qualifier Code Key:

I	Analyte detected below quantitation limits	Q	Holding times for preparation or analysis exceeded
S	Spike Recovery outside accepted recovery limits	U	Not Detected Above the MDL

BENCHMARK
EnviroAnalytical Inc.

NELAC Certification # E84167

ANALYTICAL TEST REPORT
THESE RESULTS MEET NELAC STANDARDS

Submission Number : 8040403

Elab, Inc.
8 East Tower Circle
Ormond Beach, Fl 32174

Ali

Project Name : WASTE WATER ANALYSIS
Date Received : 04/15/2008
Time Received : 0930

Submission Number 8040403

Sample Number: 1
Sample Date: 04/14/2008
Sample Time: 1125
Sample Description: F08040642-001 M
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date	Analysis Time	Analyst
E-COLI	1 C1C2	#/100ML	1	0	M-COLIBLUE	04/15/2008	10:00	CUS

Submission Number 8040403

Sample Number: 2
Sample Date: 04/14/2008
Sample Time: 1125
Sample Description: F08040642-001 N
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date	Analysis Time	Analyst
ENTEROCOCCI	7 C1	#/100 ML	1	0	1600	04/15/2008	10:00	CUS

BENCHMARK
EnviroAnalytical Inc.

NELAC Certification # E84167

Radica Koutselas 04/18/2008

Dale D. Dixon / Laboratory Director Date
Radica Koutselas / QC Officer

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.

B = Results based upon colony counts outside the acceptable range.

H = Value based on field kit determination. Results may not be accurate.

I = Reported value is between the laboratory MDL and the PQL.

J1 = Est. value surrogate recovery limits exceeded.

J2 = Est. value. No quality control criteria exists for component.

J3 = Est. value quality control criteria for precision or accuracy not met.

J4 = Est. value. Sample matrix interference suspected.

J5 = Est. value. Data questionable due to improper lab or field protocols

K = Off-scale low. Value is known to be < the value reported.

L = Off-scale high. Value is known to be > the value reported

N = Presumptive evidence of presence of material.

O = Sampled, but analysis lost or not performed.

Q = Sample held beyond accepted hold time.

T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.

U = Analyte analyzed but not detected at the value indicated.

V = Analyte detected in sample and method blank.

Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.

[= Data deviate from historically established concentration ranges.

? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the Presence or absence of the analyte cannot be determined from the data.

* = Not reported due to interference.

NOTES:

PQL = 4xMDL.

MBAS calculated as LAS; molecular weight = 348.

X = Value exceed MCL.

C1 = Sample received out of hold time.
C2 = Laboratory not NELAC certified for analyte.

For questions and comments regarding these results, please contact Katharine Dixon at (941) 723-9986

1711 12th Street East * Palmetto, FL 34221 * Phone (941) 723-9986 * Fax (941) 723-6061

08-0856

ELAB, Inc.
P. O. Box 468
Ormond Beach, FL 32175-0468
TEL: *(386) 672-5668*
FAX: *(386) 673-4001*

CHAIN-OF-CUSTODY RECORD

8040403

Subcontractor:

Benchmark Enviroanalytical, INC.
1711 12th Street East
Palmetto, FL 34221

TEL: (941) 723-9986
FAX: (941) 723-6061
Acct #: E84167

14-Apr-08

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests						
				M-COLIBLUE						
F08040642-001M	Waste Water	4/14/2008 11:25:00 AM	COLICUP	1						(1)

Comments: E.COLI BY M-COLIBLUE. Please e-mail all results in a NELAC-compliant PDF format to Aly Heacock-Legge at acheacock@elabusa.com as soon as possible. Please also provide a NELAC-compliant hard copy report within quoted turnaround time that includes, where applicable, the MDL, PQL, date/time prepped and date/time analyzed. Unless notified otherwise, the samples do not need to be returned and can be disposed of per your standard laboratory practices.

*Sample was received out of Hold. CP.

	Date/Time		Date/Time
Relinquished by: [illegible]	4.14.8 1020	Received by: Carlos Pelleon	4-15-08 0930
Relinquished by:		Received by:	

pg 3 of 4

08-0856

CHAIN-OF-CUSTODY RECORD

ELAB, Inc.
P. O. Box 468
Ormond Beach, FL 32175-0468

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8040403

Subcontractor:

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1711 12th Street East
Palmetto, FL 34221

TEL: (941) 723-9986
FAX: (941) 723-6061
Acct #: E84167

14-Apr-08

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests						
				E1600						
F08040642-001N	Waste Water	4/14/2008 11:25:00 AM	COLICUP	1						E

Comments: ENTEROCOCCUS Please e-mail all results in a NELAC-compliant PDF format to Aly Heacock-Legge at acheacock@elabusa.com as soon as possible. Please also provide a NELAC-compliant hard copy report within quoted turnaround time that includes, where applicable, the MDL, PQL, date/time prepped and date/time analyzed. Unless notified otherwise, the samples do not need to be returned and can be disposed of per your standard laboratory practices.

* Sample was received out of Hold. CP.

		Date/Time			Date/Time
Relinquished by:	BAC	4.14.8 1600	Received by:	Carlos Pelleen	4-15-08 0930
Relinquished by:			Received by:		

4 of 4 hold

ENVIRONMENTAL ASSOCIATES LTD.

Laboratory Results
for *Giardia* & *Cryptosporidium* Analysis

24 Oak Brook Drive • Ithaca • NY • 14850-8717 • Phone (607) 272-8902 • Fax (607) 256-7092

ACCREDITED IN ACCORDANCE WITH nelac

ACCOUNT NO. AD-11855

Elab
8 Tower Circle
Ormond Beach FL 32174

P.O. No. 08-0855

CONTACT
Mr. Joe Roos
1 386 672-5668 FAX 1 386 673 4001

SAMPLE NO. 30215 | SAMPLE SITE: F08040642-001O | CLIENT IDENTIFICATION:

SAMPLE DATA — FILTER SAMPLE

WATER TYPE:	Wastewater Effluent	SAMPLE COLLECTOR:	Bobby Hutcheson
DATE COLLECTED:	Apr 14, 2008	AMOUNT COLLECTED:	35 gal (132.49 L)
DATE RECEIVED:	Apr 15, 2008	TURBIDITY:	0.59
RECEIPT TEMPERATURE:	5.0°C	pH:	7.18
ELUTION START DATE/TIME:	Apr 15, 2008 1:04 PM	FILTER COLOR:	white
TOTAL VOLUME OF SEDIMENT:	0.4 ml		
SEDIMENT PER UNIT VOLUME:	0.3 ml/100 L		

SAMPLE NOTES: Sample condition was acceptable.

ANALYSIS TYPE — ENVIROCHEK HV G&C

METHOD: Method 1623 (EPA/821/R/99/006) Envirochek filter

Method Remarks
Method 1623 employs a concentration step (centrifugation, Envirochek filter or Filta-Max filter), followed by immunomagnetic separation (IMS) and an immunofluorescent stain for Giardia and Cryptosporidium. Positive and Negative Controls were stained and examined concurrently.

RESULTS

	ANALYTE	Cysts Observed	Result per 100L
Giardia	Empty *Giardia* Cysts Detected	0	ND
	Giardia Cysts with Amorphous Structure	0	ND
	Giardia Cysts with One Internal Structure	0	ND
	Giardia Cysts with More than One Internal Structure	0	ND
	Total IFA *Giardia* Count per 100L	**0**	**ND**
	ANALYTE	Oocysts Observed	Result per 100L
Cryptosporidium	Empty *Cryptosporidium* Oocysts Detected	0	ND
	Cryptosporidium Oocysts with Amorphous Structure	0	ND
	Cryptosporidium Oocysts with Internal Structure	0	ND
	Total IFA *Cryptosporidium* Count per 100L	**0**	**ND**

EQUIVALENT VOLUME EXAMINED: 132.49 L | DETECTION LIMIT PER 100L: <0.75

COMMENTS: All limitations of analytical methods, laboratory dilutions, and instruments apply.

Environmental Associates Ltd. certifies that all quality control elements, as required by NELAP and the EPA LT2 rule, associated with the above data have been met.

TECHNICIAN Jeff Runyan, Senior Analyst

DATE COMPLETED April 21, 2008

ANALYSIS CERTIFIED BY Jeff Runyan

DATE CERTIFIED April 25, 2008

ELAB Field Sampling Log

Site Name: Rockledge WTP	Site Location: City of Rockledge	
Well #: Reuse High Service Pump	Sample ID: F0804064 2	Date: 4/14/08

PURGING DATA

YSI: 02697

Well Diameter:	Tubing Diameter:	Well Screen Interval Depth: Feet to	Static Depth to Water:	Sampling Device: Grab

Well Volume Purge: (Total Well Depth – Static Depth to Water) X Well Capacity= Well Volume

(-)X Gallons/Foot = Gallons

Equipment Volume Purge: Pump Volume + (Tubing Capacity X Tubing Length) + Flow Cell Volume= Equipment Volume

+(X)+ = Gallons

Initial Pump or Tubing Depth in Well (Feet):	Final Pump or Tubing Depth in Well:	Purging Initiated At:	Purging Ended At:	Total Volume Purged (Gallons):

Time	Volume Purged (Gal)	CUMUL Volume Purged (Gal)	Purge Rate (gpm)	Depth to Water (Feet)	pH (Standard Units)	Temp. (°C)	Conductivity (µmhos/cm or µS/cm)	Dissolved Oxygen (circle mg/L or % saturation)	Turbidity (NTUs)	Color (Describe)	Odor (Describe)	ORP
1106	Beginning Crypto				7.18	26.43	1101	5.55	0.79	NO	NO	435.7
1125	Reuse High Service Pump				7.11	26.35	1086	5.90	1.04	NO	NO	453.7
	Total Chlorine = 1.50 mg/L / Free Chlorine = 0.25 mg/L											
1149	Ending Crypto				7.07	25.87	1082	7.10	0.59	NO	NO	420.5

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

SAMPLING DATA

Sampled By (Print)	Sampler(s) Signatures	Sampling Initiated At:	Sampling Ended At:
Bobby Hutcheson / ~~James Stockbridge~~ ELAB	BH		

Pump or Tubing Depth in Well (Feet):	Sample Pump Flow Rate (mL per minute): 100-200ml	Tubing Material Code: PE	Field Decontamination: [Yes] [No]	Field-Filtered: [Yes] [No] Filter Size: µm	Duplicate: [Yes] [No]

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Total Volume Added in Field (mL)	Final pH	Intended Analysis and/or Method	Sampling Equipment Code

Weather Conditions
[ ] Sunny
[ ] Partly Cloudy
[ ] Cloudy
Temperature: 75
Rain: [Yes] [No]
Wind Speed: –
Wind Direction: –

[ ] Surface Water — Taken From: [ ] Shore [ ] Surface [ ] Boat [ ] Mid-Depth [ ] Bridge [ ] Bottom [ ] Wading [ ] Other
Total Depth:_____ Type: [ ] Lake [ ] Stream [ ] River [ ] Other _____

[ ] Waste Water: Start Time _____ Finish Time _____ Sampling Point:_____ Volume:_____ [ ] Composite [ ] Grab mL per: [ ] Hour [ ] ½ Hour [ ]

[ ] Soils/Sediment — Sampling Point: — Sample Depth: — [ ] Composite [ ] Grab

[ ] Drum Waste — Type: — Layers [Yes] [No] — [ ] Composite [ ] Grab

[ ] Other: — Sampling Point: — Sample Depth: — [ ] Composite [ ] Grab

Field Notes:

On Ice @ Bottles Preserved <2pH

1106 Begining Meter Reading 404 gal
Total chlorine 1.80 mg/L
Free chlorine 1.50 mg/L
Turbidity 0.79

1149 Ending meter reading 439 gal = 35 gal
Total chlorine = 1.80 mg/L
Free chlorine = 1.30 mg/L

See Attached Bottle Order

V:\Field\Field Sheets

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
ELAB, Inc. (386) 672-5668 ● FAX (386) 673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 122149 Page ___ of ___

FOR LAB USE ONLY
Temp. of Contents: 0° °C (or Received on Ice, ROI) Condition of Contents: _____ Condition of Seals: _____

FOR LAB USE ONLY
Submission No. F804064

1. Client: (Company or Individual) City of Rockledge
Address: Phone: ( )
City State Zip Code Fax: ( )
2. Report to: (if different from above)
Address: Phone: ( )
City State Zip Code Fax: ( )
3. Client Project Name: City of Rockledge Water Reuse High Service Pump
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: BJ
8. Shipping Method:

18. Report Type:
- Routine
- Standard QC
- Datapackage

19. Turnaround Time
- Standard
- Rush: / /

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	Analyses Requested: N-Ammonia, N-Organic, TN, TP, N-Total Kjeldahl	Total Cyanide	524	Anions	552	Odor	ICP Metals	Giardia + Cryptosporidium	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
15. Preservatives													S	NaOH								
16. Containers													P	P	V	AV	PG	AG	P	CG		
1	Relief High Service Pump		4/14/08	1125		X	WW					10	1	1	3	1	1	1	1	1		
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 B. Huthesa	4/14/08	1445	[signature]	4-14-8	14:55
2					
3					
4					

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.: Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

CHAIN OF CUSTODY RECORD

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386) 672-5668 ● FAX (386) 673-4001

ELAB, Inc.

(INSTRUCTIONS ON BACK OF THIS FORM)

No. E 122165 Page ____ of ____

FOR LAB USE ONLY
Temp. of Contents: 0° C (or Received on Ice, ROI)
Condition of Contents: ______
Condition of Seals: ______

FOR LAB USE ONLY
Submission No. F08040642

1. Client: (Company or Individual) City of Rockledge

Address: | City | State | Zip Code | Phone: ( ) | Fax: ( )

2. Report to: (if different from above)

Address: | City | State | Zip Code | Phone: ( ) | Fax: ( )

18. Report Type: Routine / Standard QC / Datapackage

19. Turnaround Time: Standard / Rush: / /

3. Client Project Name: City of Rockledge WWTP Reuse High Service Pump
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: BH
8. Shipping Method:

Water Sample Codes (for Item 13)
DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16)
V = VOA vial
G = glass
P = plastic
M = micro bag/cup
O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

17. Analyses Requested:

	Fecal coliform	Total coliform (mf)	E. coli by mcolisblue	Enterococcus	8270	Chloramines/total chlorine	Chlorine dioxide	TDS	UV254 Absorbance
15. Preservatives	C	C	C	C	C	C	C	C	
16. Containers	P	P	P	P	AG	P	P	AG	

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	Fecal coliform	Total coliform (mf)	E. coli	Enterococcus	8270	Chloramines	TDS	UV254	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	Reuse High Service Pump		4/14/08	1125		X	WW					9	1	1	1	1	2	1	1	1	UV254 field filtered w/ .45 micron filter	
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	B. Hutchinson	4/14/08	1445	[signature]	4-14-8	14:55
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ______ Hrs.
Equipment Rental Fee: ______
Profile No.:
Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99