

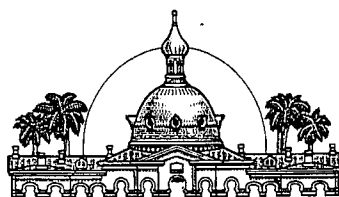
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Dept. of Environmental
Protection

OCT 11 2006

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October 4, 2006

Mr. John Morris, P.G.
Department of Environmental Protection
Southwest District-Solid Waste Section
13051 Telecom Parkway
Temple Terrace, FL 33637

**Re: Southeast County Landfill
Permit Nos. 35435-006-SO, 35435-007-SO
Analytical Data Report - August 2006**

Dear Mr. Morris:

In accordance with the above-referenced permits, the Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the August 2006 analytical data report (ADR) for the water quality monitoring at the Southeast County Landfill (SCLF). Samples were collected on August 14 through August 17, 2006 by the SWMD Field Sampling Team. Any violations of the water quality criteria and the overall impact to the future groundwater monitoring activities at the SCLF are discussed in parameter specific details herein.

FIELD PARAMETERS

pH

The surficial aquifer detection and background water quality monitoring wells continue to exhibit pH values below the SDWS acceptable range of 6.5 to 8.5 pH units. The pH values across the site range in value from 4.47 to 6.39 pH units. The pH at the site has historically been observed to be below the acceptable range. The 1983 Ardaman and Associates, Inc. report titled Hydrogeologic Investigation, Southeast County Landfill, reported pH values ranging from 4.4 to 6.7 pH units in six wells on site. This data was collected prior to construction of the landfill, and supports the position that the pH values observed are attributable to the phosphate mining activities conducted at the site prior to construction of the landfill.

No unusual conditions or changes in pH values within any of the groundwater monitoring wells or surface water sites were observed during this sampling event.

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Mr. John Morris, P.G.
October 4, 2006
Page 2

Turbidity

Southwest District

In accordance with the April 3, 2003 Approval of Corrective Action Plan letter from the Florida Department of Environmental Protection (FDEP), the SWMD has recorded turbidity data at the three sampling points along Long Flat Creek. A summary table of data obtained from the surface water sampling points 3A, 3B2B and 3C2 is provided within this ADR. Over the period of record from March to August 2006, the turbidity measurements have been observed within the compliance level of 29 nephelometric turbidity units (NTU) above the background (upstream) value.

No unusual conditions or changes in the turbidity values across the site were observed during this sampling event.

GENERAL PARAMETERS

Total Dissolved Solids

The surficial aquifer detection wells, TH-59 and TH-60, exhibited total dissolved solids (TDS) above the Secondary Drinking Water Standard (SDWS) of 500 milligrams per liter (mg/l) with concentrations of 560 mg/l and 750 mg/l. These wells have consistently exhibited TDS above standards, and were constructed in an area that had been reworked during construction and filled with offsite fill materials prior to construction of these detection wells addressing Section 7. All of the other monitoring wells were observed below the SDWS for TDS during this sampling event.

Radium 226

The Weeks' private supply well exhibited concentrations of radium 226 at 11.3 picocuries per liter (pCi/l), which is above the Primary Drinking Water Standard (PDWS) of 5 pCi/l. This supply well has periodically been observed to exhibit radium 226 above the PDWS. No unusual conditions or changes in radium 226 values were observed during this sampling event, and the home owner shall be appropriately notified of this condition. The detection of this radiological parameter in the Weeks' private supply well is not readily attributable to the landfill operations, and is likely attributable to the past strip mining activities in the area.

Fecal Coliform

The surface water sampling point 3B2B, which is the middle data point on Long Flat Creek, exhibited concentrations of fecal coliform at 1,100 colonies per 100 milliliter (col/100ml). This value is above the Surface Water Standard of 800 col/100ml. No other surface water sites exceeded the standard during this event, and the SWMD believes that the coliform is likely attributable to bird activity in the vicinity.

Mr. John Morris, P.G.

October 4, 2006

Page 3

METALS

Iron

Iron concentrations in fourteen of the eighteen surficial aquifer monitoring wells were observed above the SDWS of 0.300 mg/l. The highest concentration for iron was 9.5 mg/l in detection well TH-65. The iron concentrations observed in the surficial aquifer wells across the site have historically been elevated, and the 1983 Ardaman and Associates, Inc. report titled Hydrogeologic Investigation, Southeast County Landfill, reported iron above the PDWS at concentrations ranging from 0.43 to 20.0 milligrams per liter (mg/l). Based on the iron concentrations observed prior to construction of the landfill, the iron historically observed across the site is likely attributable to the past mining activities. Additionally, as presented to the FDEP by our contracted consultant, Jones Edmunds, the landfill liner systems have created anaerobic environments under the lined cells of Sections 7 and 8. These environments are known to facilitate iron reducing bacteria processes which result in the higher iron concentrations in the areas down gradient of these liner systems. It should also be noted that areas at the SCLF that have been disturbed by mining or landfill construction activities appear to exhibit the highest iron concentrations. Based on these potential sources of iron in the groundwater at the site, the SWMD maintains the position that the source of iron is not the buried wastes within the landfill.

The private supply wells owned by Weeks and Holland exhibited levels of iron above the SDWS with concentrations of 0.59 mg/l and 1.9 mg/l, respectively. These wells consistently exhibit iron above the SDWS. No unusual conditions or changes in iron concentrations within any of the groundwater monitoring wells or surface water samples at the site were observed during this event.

Iron exceeded the surface water criteria of 1 mg/l as per Chapter 62-302, F.A.C. at the surface water monitoring point 3B2B. A value of 1.5 mg/l was observed at this location during this sampling event.

Nickel

Nickel was observed in TH-59, TH-59C, and TH-60 below the PDWS of 0.1 mg/l during this sampling event. Nickel has consistently been observed in these wells since the initial samples were collected in October 2003 prior to waste being placed in the Section 7 cell.

ORGANIC PARAMETERS

The organic parameters were analyzed by EPA Method 8260. The results of analyses are discussed in detail in the following paragraphs. Benzene was observed in the Section 7 detection monitoring well TH-60 below the PDWS of 1 microgram per liter (ug/l) at a concentration of 0.85 ug/l. Toluene was observed well below the SDWS of 1,000 ug/l in Section 7 detection wells TH-59C and TH-60C with results of 1.3 ug/l and 5.3 ug/l, respectively.

Mr. John Morris, P.G.
October 4, 2006
Page 4

The SWMD maintains the position that the impacts to the Section 7 detection wells are the direct result of landfill gas migration from Section 7. Residual effects from the previous presence of landfill gas remain in the area, and trace concentrations are observed in the monitoring wells in this area.

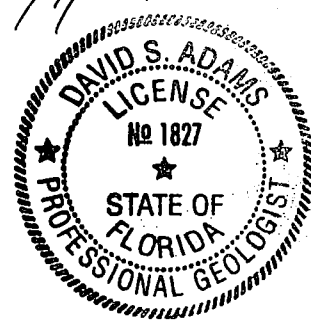
Enclosed for your review is a detailed site location map, the analytical data summary tables, a groundwater elevation data summary table, a surficial aquifer groundwater elevation contour diagram, a data summary table of turbidity measurements, a data summary table for the private supply wells, copies of the letters sent to the owners of the private wells, and the complete laboratory analytical data report sheets. The next sampling event is scheduled for November 2006, and this quarterly event will address the Phases I – VI modified permit conditions.

Should you have any questions, require any additional information, or would like to discuss the information provided within this submittal, please feel free to contact me at (813) 276-2944 or via e-mail at adamsds@hillsboroughcounty.org.

Sincerely,



David S. Adams, P.G.
Environmental Manager
Solid Waste Management



DSA/mdt
Enclosures

xc: Barry M. Boldissar, Director, SWMD, w/o enclosures
Patricia Berry, Section Manager, SWMD, w/o enclosures
Ernest Ely, Landfill Manager, WM, Southeast Landfill
Larry Ruiz, Project Manager, SWMD
Rich Siemering, Jones Edmunds
Chongman Lee, Department of Environmental Protection
Andy Schipfer, Environmental Protection Commission
Irene Barnes, Southeast Hillsborough Civic Association

enviro/projects/self/ADRs/2006/self adr 8-06.doc

Analytical Results from Surface Water Samples Collected at Southeast Landfill August 14, 2006

GENERAL					(MCL) STANDARD
PARAMETERS	3A	3B2B	3C2	Smith Lake - 1D	F.A.C. 62-302
conductivity (umhos/cm) (field)	266	247	332	292	1275
pH (field)	5.69	6.33	6.60	6.81	(6.5 - 8.5)
total dissolved solids (mg/l)	180	160	220	220	NS
total suspended solids (mg/l)	8.4	370	4.4	21	NS
temperature (°C) in field	24.95	25.25	27.00	30.8	NS
turbidity (field) (NTU)	10.4	3.6	3	13.1	29
nitrate (mg/l)	0.13	BDL	0.15	BDL	NS
nitrogen, kjedhal, total (mg/l)	0.53	0.82	0.66	1.3	NS
total nitrogen (mg/l)	0.66	0.82	0.83	1.3	NS
dissolved oxygen (mg/l) (field)	2.57	5.08	5.33	3.37	Must Be > OR=5.0
total phosphorous (mg/l)	BDL	7.9	0.56	2.2	NS
biochem. oxygen demand (mg/l)	BDL	BDL	BDL	5.4	NS
chemical oxygen demand (mg/l)	BDL	33	30	79	NS
total organic carbon (mg/l as C)	8	11	14	19	NS
ammonia nitrogen (mg/l as N)	0.25	0.32	0.35	0.65	NS
chlorophyll-A (mg/m3)	4.5	4.8	3.1	100	NS
total hardness (mg/l as CaCO)	87	79	87	98	NS
fecal coliform (Col/100ml)	550	1100	290	550	800
Metals: (mg/l)	3A	3B2B	3C2	Smith Lake - 1D	(MCL) STANDARD F.A.C. 62-302
iron	0.390	1.5	0.330	0.041	1
copper	BDL	BDL	BDL	BDL	**
barium	0.029	0.030	0.013	0.0031	NS
beryllium	BDL	BDL	BDL	BDL	1.3
lead	BDL	BDL	BDL	BDL	*****
vanadium	BDL	0.003	0.0057	BDL	NS
chromium	BDL	0.0025	BDL	BDL	***
nickel	BDL	BDL	BDL	BDL	****
zinc	0.011	0.017	0.0091	0.0077	*=105.99
cadmium	BDL	BDL	BDL	BDL	*****
mercury	BDL	BDL	BDL	BDL	0.000012
Organics: (µg/l)	3A	3B2B	3C2	Smith Lake - 1D	(MCL) STANDARD F.A.C. 62-302
Organic Parameters Detected					
toluene	BDL	BDL	BDL	BDL	100
methylene chloride	BDL	BDL	BDL	BDL	5
NOTE: Water Levels taken on August 17, 1998 NOTE: Referenced, Surface Water Quality Standards Title 62 Chapter 62-302, Class III: Fresh NS= NO STANDARD MCL= MAXIMUM CONTAMINANT LEVEL BDL= BELOW DETECTION LIMIT *= $Zn < \text{or} = e(0.8473[\ln H] + 0.7614)$, note: H=Hardness, for 3A standard is 105.99 **= $Cu < \text{or} = e(0.8545[\ln H] - 1.465)$ ***= $Cr < \text{or} = e(0.819[\ln H] + 1.561)$ ****= $Ni < \text{or} = e(0.846[\ln H] + 1.1645)$ *****= $Pb < \text{or} = e(1.273[\ln H] - 4.705)$ *****= $Ca < \text{or} = e(0.7852[\ln H] - 3.49)$ 1100 : EXCEEDS CHAPTER 62-302 SURFACE WATER QUALITY STANDARDS NTU= NEPHELOMETRIC TURBIDITY UNITS µg/l= MICROGRAMS PER LITER mg/l= MILLIGRAMS PER LITER					

Groundwater and Surface Water Elevation For Southeast County Landfill August 15, 2006

Measuring Point I.D.	T.O.C. Elevations (NGVD)	8/15/2006 W.L. B.T.O.C.	W.L. (NGVD)
P-4D	140.78	20.56	120.22
P-4S	140.95	7.98	132.97
P-5D	151.94	Dry	Dry
P-6DA	148.01	23.87	124.14
P-7D	138.92	15.10	123.82
P-8D	138.34	15.99	122.35
P-9D (TH-61)	138.73	15.18	123.55
P-10D (TH-66)	130.58	7.10	123.48
P-11D	138.02	15.20	122.82
TH-20A	131.86	9.25	122.61
TH-20B	132.57	9.85	122.72
TH-22	128.82	4.70	124.12
TH-22A	129.27	5.34	123.93
TH-24A	128.23	4.48	123.75
TH-26	125.65	Dry	Dry
TH-28A	131.10	27.77	103.33
TH-30	128.88	23.94	104.94
TH-32	129.90	14.53	115.37
TH-35	145.98	27.71	118.27
TH-36A	152.70	31.99	120.71
TH-38A	130.68	9.47	121.21
TH-38B	131.81	8.57	123.24
TH-56A	131.69	13.75	117.94
TH-57	128.36	19.22	109.14
TH-58	127.88	27.52	100.36
TH-59	141.93	18.76	123.17
TH-59C	140.72	17.94	122.78
TH-60	142.73	17.12	125.61
TH-60C	143.39	19.47	123.92
TH-62	142.38	19.04	123.34
TH-63	141.22	16.94	124.28
TH-64	139.64	14.64	125.00
TH-65	135.40	12.45	122.95
TH-67	129.51	5.36	124.15
TH-68	140.01	16.26	123.75
TH-19*	130.27	95.84	34.43
TH-40*	124.99	91.05	33.94
TH-41*	125.00	95.00	30.00
TH-42*	116.74	67.70	49.04
SW-3A	3.0'=125.53'	1.29	123.82
SW-3B2B	3.0'=97.97'	1.75	96.72
SW-3C2	6.0'=92.33	1.50	87.83
1-D Smith Lake	6.0'=125.40'	2.82	122.22
NGVD = National Geodetic Vertical Datum			
T.O.C. = Top of Casing			
B.T.O.C. = Below Top of Casing			

HILLSBOROUGH COUNTY
SOUTHEAST COUNTY LANDFILL TURBIDITY MONITORING

Date	Sampling Location	Time	Turbidity (NTU)	Notes
6/12/2006	3A	11:25 a.m.	15.3	3.3" rain on 6/12/06
	3B2B	11:35 a.m.	10.5	
	3C2	11:40 a.m.	26.4	
6/13/2006	3A	10:23 a.m.	7.8	1.0" rain on 6/13/06
	3B2B	10:28 a.m.	15.7	
	3C2	10:34 a.m.	26.6	
7/3/2006	3A	7:40 a.m.	7.3	1.2" rain on 7/2/06
	3B2B	7:46 a.m.	7.1	
	3C2	7:50 a.m.	7.6	
7/4/2006	3A	10:10 a.m.	8.2	4.6" rain on 7/3/06
	3B2B	10:16 a.m.	9.5	
	3C2	10:22 a.m.	16.3	
7/6/2006	3A	4:39 p.m.	13.1	1.4" rain on 7/6/06
	3B2B	4:50 p.m.	9.6	
	3C2	5:00 p.m.	17.6	
7/7/2006	3A	3:17 p.m.	9.5	1.8" rain on 7/7/06
	3B2B	3:22 p.m.	15.2	
	3C2	3:28 p.m.	19	
8/14/2006	3A	7:25 a.m.	5.2	1.05" rain on 8/13/06
	3B2B	7:30 a.m.	5	
	3C2	7:35 a.m.	7.6	
8/16/2006	3A	7:15 a.m.	3.7	1.43" rain on 8/15/06
	3B2B	7:22 a.m.	2.1	
	3C2	7:28 a.m.	2.1	
8/18/2006	3A	7:54 a.m.	3.4	1.5" rain on 8/17/06
	3B2B	7:59 a.m.	6.5	
	3C2	8:04 a.m.	9.8	

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor
Tampa, FL 33601

Job Number: 660-10667-1

Client Sample ID: Equipment Blank
Lab Sample ID: 660-10667-1

Date Sampled: 08/14/2006 1145
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006 2236			
Prep Method: 5030B	Date Prepared:		08/23/2006 2236			
Benzene	0.50	U	ug/L	0.50	1.0	1.0
Bromobenzene	0.58	U	ug/L	0.58	1.0	1.0
Chlorobromomethane	0.58	U	ug/L	0.58	1.0	1.0
Dichlorobromomethane	0.35	U	ug/L	0.35	1.0	1.0
Bromoform	0.58	U	ug/L	0.58	1.0	1.0
Bromomethane	2.5	U	ug/L	2.5	5.0	1.0
n-Butylbenzene	0.67	U	ug/L	0.67	1.0	1.0
sec-Butylbenzene	0.63	U	ug/L	0.63	1.0	1.0
tert-Butylbenzene	0.84	U	ug/L	0.84	1.0	1.0
Carbon tetrachloride	0.42	U	ug/L	0.42	1.0	1.0
Chlorobenzene	0.63	U	ug/L	0.63	1.0	1.0
Chloroethane	2.5	U	ug/L	2.5	5.0	1.0
Chloroform	0.90	U	ug/L	0.90	1.0	1.0
Chloromethane	1.0	U	ug/L	1.0	4.0	1.0
2-Chlorotoluene	0.65	U	ug/L	0.65	1.0	1.0
4-Chlorotoluene	0.52	U	ug/L	0.52	1.0	1.0
Chlorodibromomethane	0.34	U	ug/L	0.34	1.0	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	ug/L	2.5	5.0	1.0
Ethylene Dibromide	0.50	U	ug/L	0.50	1.0	1.0
Dibromomethane	0.41	U	ug/L	0.41	1.0	1.0
1,2-Dichlorobenzene	0.44	U	ug/L	0.44	1.0	1.0
1,3-Dichlorobenzene	0.64	U	ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	0.52	U	ug/L	0.52	1.0	1.0
Dichlorodifluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,1-Dichloroethane	0.52	U	ug/L	0.52	1.0	1.0
1,2-Dichloroethane	0.57	U	ug/L	0.57	1.0	1.0
1,1-Dichloroethene	0.45	U	ug/L	0.45	1.0	1.0
cis-1,2-Dichloroethene	0.65	U	ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	0.44	U	ug/L	0.44	1.0	1.0
1,2-Dichloropropane	0.52	U	ug/L	0.52	1.0	1.0
1,3-Dichloropropane	0.39	U	ug/L	0.39	1.0	1.0
2,2-Dichloropropane	0.36	U	ug/L	0.36	1.0	1.0
1,1-Dichloropropene	0.31	U	ug/L	0.31	1.0	1.0
cis-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
trans-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.44	U	ug/L	0.44	1.0	1.0
Hexachlorobutadiene	0.46	U	ug/L	0.46	1.0	1.0
Isopropylbenzene	0.19	U	ug/L	0.19	1.0	1.0
4-Isopropyltoluene	0.69	U	ug/L	0.69	1.0	1.0
Methylene Chloride	4.0	U	ug/L	4.0	5.0	1.0

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor
Tampa, FL 33601

Job Number: 660-10667-1

Client Sample ID: Equipment Blank
Lab Sample ID: 660-10667-1

Date Sampled: 08/14/2006 1145
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006 2236			
Prep Method: 5030B	Date Prepared:		08/23/2006 2236			
Acrolein	3.8	U	ug/L	3.8	100	1.0
Naphthalene	2.5	U	ug/L	2.5	5.0	1.0
N-Propylbenzene	0.59	U	ug/L	0.59	1.0	1.0
Acrylonitrile	1.2	U	ug/L	1.2	100	1.0
Styrene	0.98	U	ug/L	0.98	2.0	1.0
1,1,1,2-Tetrachloroethane	0.63	U	ug/L	0.63	1.0	1.0
1,1,2,2-Tetrachloroethane	0.14	U	ug/L	0.14	1.0	1.0
Tetrachloroethene	0.50	U	ug/L	0.50	1.0	1.0
Toluene	0.51	U	ug/L	0.51	1.0	1.0
1,2,3-Trichlorobenzene	0.77	U	ug/L	0.77	1.0	1.0
1,2,4-Trichlorobenzene	0.58	U	ug/L	0.58	1.0	1.0
1,1,1-Trichloroethane	0.46	U	ug/L	0.46	1.0	1.0
1,1,2-Trichloroethane	0.47	U	ug/L	0.47	1.0	1.0
Trichloroethene	0.50	U	ug/L	0.50	1.0	1.0
Trichlorofluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,2,3-Trichloropropane	0.15	U	ug/L	0.15	1.0	1.0
1,2,4-Trimethylbenzene	0.86	U	ug/L	0.86	1.0	1.0
1,3,5-Trimethylbenzene	0.54	U	ug/L	0.54	1.0	1.0
Vinyl chloride	0.50	U	ug/L	0.50	1.0	1.0
Methyl Ethyl Ketone	8.4	U	ug/L	8.4	10	1.0
methyl isobutyl ketone	3.8	U	ug/L	3.8	10	1.0
Carbon disulfide	0.85	U	ug/L	0.85	1.0	1.0
2-Hexanone	4.4	U	ug/L	4.4	10	1.0
Methyl tert-butyl ether	0.44	U	ug/L	0.44	1.0	1.0
Xylenes, Total	0.50	U	ug/L	0.50	3.0	1.0

Surrogate	Acceptance Limits	
Toluene-d8 (Surr)	104	77 - 122
4-Bromofluorobenzene	91	74 - 126
Dibromofluoromethane	107	70 - 130

Method: TOT-REC-6020
Prep Method: 3005A

Date Analyzed: 08/16/2006 1933
Date Prepared: 08/16/2006 1106

Silver	1.9	U	ug/L	1.9	10	1.0
Arsenic	4.8	U	ug/L	4.8	10	1.0
Barium	1.2	I	ug/L	1.2	10	1.0
Beryllium	0.74	U	ug/L	0.74	4.0	1.0
Cadmium	0.71	U	ug/L	0.71	5.0	1.0
Cobalt	1.4	U	ug/L	1.4	10	1.0
Chromium	1.7	U	ug/L	1.7	10	1.0

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Date Sampled: 08/14/2006 1145
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: TOT-REC-6020 Prep Method: 3005A	Date Analyzed: 08/16/2006 1933 Date Prepared: 08/16/2006 1106				
Copper	2.9 U	ug/L	2.9	20	1.0
Nickel	4.7 U	ug/L	4.7	40	1.0
Lead	1.6 U	ug/L	1.6	5.0	1.0
Antimony	2.9 U	ug/L	2.9	6.0	1.0
Selenium	5.9 U	ug/L	5.9	10	1.0
Thallium	0.50 U	ug/L	0.50	1.0	1.0
Vanadium	2.5 U	ug/L	2.5	5.0	1.0
Zinc	5.9 U	ug/L	5.9	20	1.0
Method: TOT-REC-6020 Prep Method: 3005A	Date Analyzed: 08/17/2006 1620 Date Prepared: 08/16/2006 1106				
Iron	39 U	ug/L	39	100	1.0
Method: 7470A Prep Method: 7470A	Date Analyzed: 08/17/2006 1423 Date Prepared: 08/17/2006 0923				
Mercury	0.080 U	ug/L	0.080	0.20	1.0
Method: 350.1	Date Analyzed: 08/27/2006 1200				
Ammonia (as N)	0.74	mg/L	0.025	0.10	1.0
Method: 351.2 Prep Method: 351.2	Date Analyzed: 08/22/2006 1400 Date Prepared: 08/21/2006 1400				
Nitrogen, Kjeldahl	0.12 U	mg/L	0.12	0.50	1.0
Method: 353.2	Date Analyzed: 08/16/2006 0811				
Nitrite Nitrogen	0.10 U	mg/L	0.10	0.50	1.0
Nitrate Nitrogen	0.10 U	mg/L	0.10	0.50	1.0
Method: 365.4 Prep Method: 365.2/365.3	Date Analyzed: 08/21/2006 1619 Date Prepared: 08/18/2006 1400				
Phosphorus, Total	0.075 U	mg/L	0.075	0.30	1.0
Method: 415.1	Date Analyzed: 08/21/2006 2249				
Total Organic Carbon	0.53 U	mg/L	0.53	2.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Equipment Blank
Lab Sample ID: 660-10667-1

Date Sampled: 08/14/2006 1145
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 415.1	Date Analyzed:	08/21/2006 2249			
Method: Total Nitrogen	Date Analyzed:	08/29/2006 0823			
Nitrogen, Total	0.010 U	mg/L	0.010	0.050	1.0

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Job Number: 660-10667-1

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Southwest District

Client Sample ID: Equipment Blank
Lab Sample ID: 660-10667-1

Date Sampled: 08/14/2006 1145
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	PQL	Dilution
Method: 2340B	Date Analyzed:	08/23/2006 1423			
Hardness as calcium carbonate	3.3 U	mg/L	3.3	3.3	1.0
Method: DISS-10200H	Date Analyzed:	08/24/2006 1255			
Chlorophyll a	1.2	mg/m3	1.0	1.0	1.0
Method: 160.1	Date Analyzed:	08/16/2006 1600			
Total Dissolved Solids	5.0 U	mg/L	5.0	5.0	1.0
Method: 160.2	Date Analyzed:	08/16/2006 1706			
Total Suspended Solids	1.0 U	mg/L	1.0	1.0	1.0
Method: 405.1	Date Analyzed:	08/16/2006 1141			
Biochemical Oxygen Demand	2.0 U	mg/L	2.0	2.0	1.0
Method: 5220C	Date Analyzed:	08/22/2006 1100			
Chemical Oxygen Demand	20 U	mg/L	20	20	1.0

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Job Number: 660-10667-1

Client Sample ID: Smith Lake 1D
Lab Sample ID: 660-10667-2

Date Sampled: 08/14/2006 1205
Date Received: 08/14/2006 1415
Client Matrix: Water
Percent Solids:

Analyte	Result/Qualifier	Unit	NONE	Dilution
Method: Field Sampling	Date Analyzed:	08/14/2006 1205		
Field pH	6.81	SU		1.0
Field Temperature	30.80	Degrees C		1.0
Oxygen, Dissolved	3.37	mg/L		1.0
Specific Conductance	292	umhos/cm		1.0
Turbidity	13.1	NTU		1.0

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Job Number: 660-10667-1

Client Sample ID: Smith Lake 1D
Lab Sample ID: 660-10667-2

Date Sampled: 08/14/2006 1205
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006 2256			
Prep Method: 5030B	Date Prepared:		08/23/2006 2256			
Benzene	0.50	U	ug/L	0.50	1.0	1.0
Bromobenzene	0.58	U	ug/L	0.58	1.0	1.0
Chlorobromomethane	0.58	U	ug/L	0.58	1.0	1.0
Dichlorobromomethane	0.35	U	ug/L	0.35	1.0	1.0
Bromoform	0.58	U	ug/L	0.58	1.0	1.0
Bromomethane	2.5	U	ug/L	2.5	5.0	1.0
n-Butylbenzene	0.67	U	ug/L	0.67	1.0	1.0
sec-Butylbenzene	0.63	U	ug/L	0.63	1.0	1.0
tert-Butylbenzene	0.84	U	ug/L	0.84	1.0	1.0
Carbon tetrachloride	0.42	U	ug/L	0.42	1.0	1.0
Chlorobenzene	0.63	U	ug/L	0.63	1.0	1.0
Chloroethane	2.5	U	ug/L	2.5	5.0	1.0
Chloroform	0.90	U	ug/L	0.90	1.0	1.0
Chloromethane	1.0	U	ug/L	1.0	4.0	1.0
2-Chlorotoluene	0.65	U	ug/L	0.65	1.0	1.0
4-Chlorotoluene	0.52	U	ug/L	0.52	1.0	1.0
Chlorodibromomethane	0.34	U	ug/L	0.34	1.0	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	ug/L	2.5	5.0	1.0
Ethylene Dibromide	0.50	U	ug/L	0.50	1.0	1.0
Dibromomethane	0.41	U	ug/L	0.41	1.0	1.0
1,2-Dichlorobenzene	0.44	U	ug/L	0.44	1.0	1.0
1,3-Dichlorobenzene	0.64	U	ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	0.52	U	ug/L	0.52	1.0	1.0
Dichlorodifluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,1-Dichloroethane	0.52	U	ug/L	0.52	1.0	1.0
1,2-Dichloroethane	0.57	U	ug/L	0.57	1.0	1.0
1,1-Dichloroethene	0.45	U	ug/L	0.45	1.0	1.0
cis-1,2-Dichloroethene	0.65	U	ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	0.44	U	ug/L	0.44	1.0	1.0
1,2-Dichloropropane	0.52	U	ug/L	0.52	1.0	1.0
1,3-Dichloropropane	0.39	U	ug/L	0.39	1.0	1.0
2,2-Dichloropropane	0.36	U	ug/L	0.36	1.0	1.0
1,1-Dichloropropene	0.31	U	ug/L	0.31	1.0	1.0
cis-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
trans-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.44	U	ug/L	0.44	1.0	1.0
Hexachlorobutadiene	0.46	U	ug/L	0.46	1.0	1.0
Isopropylbenzene	0.19	U	ug/L	0.19	1.0	1.0
4-Isopropyltoluene	0.69	U	ug/L	0.69	1.0	1.0
Methylene Chloride	4.0	U	ug/L	4.0	5.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Smith Lake 1D
Lab Sample ID: 660-10667-2

Date Sampled: 08/14/2006 1205
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006	2256		
Prep Method: 5030B	Date Prepared:		08/23/2006	2256		
Acrolein	3.8	U	ug/L	3.8	100	1.0
Naphthalene	2.5	U	ug/L	2.5	5.0	1.0
N-Propylbenzene	0.59	U	ug/L	0.59	1.0	1.0
Acrylonitrile	1.2	U	ug/L	1.2	100	1.0
Styrene	0.98	U	ug/L	0.98	2.0	1.0
1,1,1,2-Tetrachloroethane	0.63	U	ug/L	0.63	1.0	1.0
1,1,2,2-Tetrachloroethane	0.14	U	ug/L	0.14	1.0	1.0
Tetrachloroethene	0.50	U	ug/L	0.50	1.0	1.0
Toluene	0.51	U	ug/L	0.51	1.0	1.0
1,2,3-Trichlorobenzene	0.77	U	ug/L	0.77	1.0	1.0
1,2,4-Trichlorobenzene	0.58	U	ug/L	0.58	1.0	1.0
1,1,1-Trichloroethane	0.46	U	ug/L	0.46	1.0	1.0
1,1,2-Trichloroethane	0.47	U	ug/L	0.47	1.0	1.0
Trichloroethene	0.50	U	ug/L	0.50	1.0	1.0
Trichlorofluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,2,3-Trichloropropane	0.15	U	ug/L	0.15	1.0	1.0
1,2,4-Trimethylbenzene	0.86	U	ug/L	0.86	1.0	1.0
1,3,5-Trimethylbenzene	0.54	U	ug/L	0.54	1.0	1.0
Vinyl chloride	0.50	U	ug/L	0.50	1.0	1.0
Methyl Ethyl Ketone	8.4	U	ug/L	8.4	10	1.0
methyl isobutyl ketone	3.8	U	ug/L	3.8	10	1.0
Carbon disulfide	0.85	U	ug/L	0.85	1.0	1.0
2-Hexanone	4.4	U	ug/L	4.4	10	1.0
Methyl tert-butyl ether	0.44	U	ug/L	0.44	1.0	1.0
Xylenes, Total	0.50	U	ug/L	0.50	3.0	1.0

Surrogate	Acceptance Limits		
Toluene-d8 (Surr)	102	%	77 - 122
4-Bromofluorobenzene	88	%	74 - 126
Dibromofluoromethane	105	%	70 - 130

Method: TOT-REC-6020
Prep Method: 3005A

Date Analyzed: 08/16/2006 1940
Date Prepared: 08/16/2006 1106

Silver	1.9	U	ug/L	1.9	10	1.0
Arsenic	4.8	U	ug/L	4.8	10	1.0
Barium	3.1	I	ug/L	1.2	10	1.0
Beryllium	0.74	U	ug/L	0.74	4.0	1.0
Cadmium	0.71	U	ug/L	0.71	5.0	1.0
Cobalt	1.4	U	ug/L	1.4	10	1.0
Chromium	1.7	U	ug/L	1.7	10	1.0

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Job Number: 660-10667-1

Client Sample ID: Smith Lake 1D
Lab Sample ID: 660-10667-2

Date Sampled: 08/14/2006 1205
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: TOT-REC-6020					
Prep Method: 3005A					
Copper	2.9 U	ug/L	2.9	20	1.0
Nickel	4.7 U	ug/L	4.7	40	1.0
Lead	1.6 U	ug/L	1.6	5.0	1.0
Antimony	2.9 U	ug/L	2.9	6.0	1.0
Selenium	5.9 U	ug/L	5.9	10	1.0
Thallium	0.50 U	ug/L	0.50	1.0	1.0
Vanadium	2.5 U	ug/L	2.5	5.0	1.0
Zinc	7.7 I	ug/L	5.9	20	1.0
Method: TOT-REC-6020					
Prep Method: 3005A					
Iron	41 I	ug/L	39	100	1.0
Method: 7470A					
Prep Method: 7470A					
Mercury	0.080 U	ug/L	0.080	0.20	1.0
Method: 350.1					
Ammonia (as N)	0.65	mg/L	0.025	0.10	1.0
Method: 351.2					
Prep Method: 351.2					
Nitrogen, Kjeldahl	1.3	mg/L	0.12	0.50	1.0
Method: 353.2					
Nitrite Nitrogen	0.10 U	mg/L	0.10	0.50	1.0
Nitrate Nitrogen	0.10 U	mg/L	0.10	0.50	1.0
Method: 365.4					
Prep Method: 365.2/365.3					
Phosphorus, Total	2.2	mg/L	0.075	0.30	1.0
Method: 415.1					
Total Organic Carbon	19	mg/L	1.1	4.0	2.0

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Job Number: 660-10667-1

Client Sample ID: Smith Lake 1D
Lab Sample ID: 660-10667-2

Date Sampled: 08/14/2006 1205
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 415.1	Date Analyzed:	08/21/2006 2309			
Method: Total Nitrogen	Date Analyzed:	08/29/2006 0823			
Nitrogen, Total	1.3	mg/L	0.010	0.050	1.0

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Job Number: 660-10667-1

Client Sample ID: Smith Lake 1D
Lab Sample ID: 660-10667-2

Date Sampled: 08/14/2006 1205
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	PQL	Dilution
Method: 2340B	Date Analyzed:	08/23/2006 1423			
Hardness as calcium carbonate	98	mg/L	3.3	3.3	1.0
Method: DISS-10200H	Date Analyzed:	08/24/2006 1255			
Chlorophyll a	100	mg/m3	1.0	1.0	1.0
Method: 160.1	Date Analyzed:	08/16/2006 1600			
Total Dissolved Solids	220	mg/L	5.0	5.0	1.0
Method: 160.2	Date Analyzed:	08/16/2006 1706			
Total Suspended Solids	21	mg/L	1.4	1.4	1.0
Method: 405.1	Date Analyzed:	08/16/2006 1141			
Biochemical Oxygen Demand	5.4	mg/L	2.0	2.0	1.0
Method: 5220C	Date Analyzed:	08/22/2006 1100			
Chemical Oxygen Demand	79	mg/L	20	20	1.0
Method: QuantiTray 2000	Date Analyzed:	08/14/2006 1500			
Coliform, Fecal	550	MPN/100mL	1.0	1.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3A
Lab Sample ID: 660-10667-3

Date Sampled: 08/14/2006 1150
Date Received: 08/14/2006 1415
Client Matrix: Water
Percent Solids:

Analyte	Result/Qualifier	Unit	NONE	Dilution
Method: Field Sampling	Date Analyzed:	08/14/2006 1150		
Field pH	5.69	SU		1.0
Field Temperature	24.95	Degrees C		1.0
Oxygen, Dissolved	2.57	mg/L		1.0
Specific Conductance	266	umhos/cm		1.0
Turbidity	10.4	NTU		1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3A
Lab Sample ID: 660-10667-3

Date Sampled: 08/14/2006 1150
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006 2316			
Prep Method: 5030B	Date Prepared:		08/23/2006 2316			
Benzene	0.50	U	ug/L	0.50	1.0	1.0
Bromobenzene	0.58	U	ug/L	0.58	1.0	1.0
Chlorobromomethane	0.58	U	ug/L	0.58	1.0	1.0
Dichlorobromomethane	0.35	U	ug/L	0.35	1.0	1.0
Bromoform	0.58	U	ug/L	0.58	1.0	1.0
Bromomethane	2.5	U	ug/L	2.5	5.0	1.0
n-Butylbenzene	0.67	U	ug/L	0.67	1.0	1.0
sec-Butylbenzene	0.63	U	ug/L	0.63	1.0	1.0
tert-Butylbenzene	0.84	U	ug/L	0.84	1.0	1.0
Carbon tetrachloride	0.42	U	ug/L	0.42	1.0	1.0
Chlorobenzene	0.63	U	ug/L	0.63	1.0	1.0
Chloroethane	2.5	U	ug/L	2.5	5.0	1.0
Chloroform	0.90	U	ug/L	0.90	1.0	1.0
Chloromethane	1.0	U	ug/L	1.0	4.0	1.0
2-Chlorotoluene	0.65	U	ug/L	0.65	1.0	1.0
4-Chlorotoluene	0.52	U	ug/L	0.52	1.0	1.0
Chlorodibromomethane	0.34	U	ug/L	0.34	1.0	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	ug/L	2.5	5.0	1.0
Ethylene Dibromide	0.50	U	ug/L	0.50	1.0	1.0
Dibromomethane	0.41	U	ug/L	0.41	1.0	1.0
1,2-Dichlorobenzene	0.44	U	ug/L	0.44	1.0	1.0
1,3-Dichlorobenzene	0.64	U	ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	0.52	U	ug/L	0.52	1.0	1.0
Dichlorodifluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,1-Dichloroethane	0.52	U	ug/L	0.52	1.0	1.0
1,2-Dichloroethane	0.57	U	ug/L	0.57	1.0	1.0
1,1-Dichloroethene	0.45	U	ug/L	0.45	1.0	1.0
cis-1,2-Dichloroethene	0.65	U	ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	0.44	U	ug/L	0.44	1.0	1.0
1,2-Dichloropropane	0.52	U	ug/L	0.52	1.0	1.0
1,3-Dichloropropane	0.39	U	ug/L	0.39	1.0	1.0
2,2-Dichloropropane	0.36	U	ug/L	0.36	1.0	1.0
1,1-Dichloropropene	0.31	U	ug/L	0.31	1.0	1.0
cis-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
trans-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.44	U	ug/L	0.44	1.0	1.0
Hexachlorobutadiene	0.46	U	ug/L	0.46	1.0	1.0
Isopropylbenzene	0.19	U	ug/L	0.19	1.0	1.0
4-Isopropyltoluene	0.69	U	ug/L	0.69	1.0	1.0
Methylene Chloride	4.0	U	ug/L	4.0	5.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3A
Lab Sample ID: 660-10667-3

Date Sampled: 08/14/2006 1150
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006 2316			
Prep Method: 5030B	Date Prepared:		08/23/2006 2316			
Acrolein	3.8	U	ug/L	3.8	100	1.0
Naphthalene	2.5	U	ug/L	2.5	5.0	1.0
N-Propylbenzene	0.59	U	ug/L	0.59	1.0	1.0
Acrylonitrile	1.2	U	ug/L	1.2	100	1.0
Styrene	0.98	U	ug/L	0.98	2.0	1.0
1,1,1,2-Tetrachloroethane	0.63	U	ug/L	0.63	1.0	1.0
1,1,2,2-Tetrachloroethane	0.14	U	ug/L	0.14	1.0	1.0
Tetrachloroethene	0.50	U	ug/L	0.50	1.0	1.0
Toluene	0.51	U	ug/L	0.51	1.0	1.0
1,2,3-Trichlorobenzene	0.77	U	ug/L	0.77	1.0	1.0
1,2,4-Trichlorobenzene	0.58	U	ug/L	0.58	1.0	1.0
1,1,1-Trichloroethane	0.46	U	ug/L	0.46	1.0	1.0
1,1,2-Trichloroethane	0.47	U	ug/L	0.47	1.0	1.0
Trichloroethene	0.50	U	ug/L	0.50	1.0	1.0
Trichlorofluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,2,3-Trichloropropane	0.15	U	ug/L	0.15	1.0	1.0
1,2,4-Trimethylbenzene	0.86	U	ug/L	0.86	1.0	1.0
1,3,5-Trimethylbenzene	0.54	U	ug/L	0.54	1.0	1.0
Vinyl chloride	0.50	U	ug/L	0.50	1.0	1.0
Methyl Ethyl Ketone	8.4	U	ug/L	8.4	10	1.0
methyl isobutyl ketone	3.8	U	ug/L	3.8	10	1.0
Carbon disulfide	0.85	U	ug/L	0.85	1.0	1.0
2-Hexanone	4.4	U	ug/L	4.4	10	1.0
Methyl tert-butyl ether	0.44	U	ug/L	0.44	1.0	1.0
Xylenes, Total	0.50	U	ug/L	0.50	3.0	1.0

Surrogate

Toluene-d8 (Surr)	93	%	Acceptance Limits
4-Bromofluorobenzene	79	%	77 - 122
Dibromofluoromethane	98	%	74 - 126
			70 - 130

Method: TOT-REC-6020
Prep Method: 3005A

Date Analyzed: 08/16/2006 1947
Date Prepared: 08/16/2006 1106

Silver	1.9	U	ug/L	1.9	10	1.0
Arsenic	4.8	U	ug/L	4.8	10	1.0
Barium	29		ug/L	1.2	10	1.0
Beryllium	0.74	U	ug/L	0.74	4.0	1.0
Cadmium	0.71	U	ug/L	0.71	5.0	1.0
Cobalt	1.4	U	ug/L	1.4	10	1.0
Chromium	1.7	U	ug/L	1.7	10	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3A
Lab Sample ID: 660-10667-3

Date Sampled: 08/14/2006 1150
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: TOT-REC-6020 Prep Method: 3005A	Date Analyzed: Date Prepared:	08/16/2006 1947 08/16/2006 1106			
Copper	2.9 U	ug/L	2.9	20	1.0
Nickel	4.7 U	ug/L	4.7	40	1.0
Lead	1.6 U	ug/L	1.6	5.0	1.0
Antimony	2.9 U	ug/L	2.9	6.0	1.0
Selenium	5.9 U	ug/L	5.9	10	1.0
Thallium	0.50 U	ug/L	0.50	1.0	1.0
Vanadium	2.5 U	ug/L	2.5	5.0	1.0
Zinc	11 I	ug/L	5.9	20	1.0
Method: TOT-REC-6020 Prep Method: 3005A	Date Analyzed: Date Prepared:	08/17/2006 1648 08/16/2006 1106			
Iron	390	ug/L	39	100	1.0
Method: 7470A Prep Method: 7470A	Date Analyzed: Date Prepared:	08/17/2006 1439 08/17/2006 0923			
Mercury	0.080 U	ug/L	0.080	0.20	1.0
Method: 350.1	Date Analyzed:	08/27/2006 1200			
Ammonia (as N)	0.25	mg/L	0.025	0.10	1.0
Method: 351.2 Prep Method: 351.2	Date Analyzed: Date Prepared:	08/22/2006 1400 08/21/2006 1400			
Nitrogen, Kjeldahl	0.53	mg/L	0.12	0.50	1.0
Method: 353.2	Date Analyzed:	08/16/2006 0811			
Nitrite Nitrogen	0.10 U	mg/L	0.10	0.50	1.0
Nitrate Nitrogen	0.13 I	mg/L	0.10	0.50	1.0
Method: 365.4 Prep Method: 365.2/365.3	Date Analyzed: Date Prepared:	08/21/2006 1619 08/18/2006 1400			
Phosphorus, Total	0.075 U	mg/L	0.075	0.30	1.0
Method: 415.1	Date Analyzed:	08/21/2006 2329			
Total Organic Carbon	8.0	mg/L	0.53	2.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3A
Lab Sample ID: 660-10667-3

Date Sampled: 08/14/2006 1150
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 415.1	Date Analyzed:	08/21/2006	2329		
Method: Total Nitrogen	Date Analyzed:	08/29/2006	0823		
Nitrogen, Total	0.66	mg/L	0.010	0.050	1.0

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Job Number: 660-10667-1

Client Sample ID: **Surface Site 3A**
Lab Sample ID: **660-10667-3**

Date Sampled: 08/14/2006 1150
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	PQL	Dilution
Method: 2340B	Date Analyzed:	08/23/2006 1423			
Hardness as calcium carbonate	87	mg/L	3.3	3.3	1.0
Method: DISS-10200H	Date Analyzed:	08/24/2006 1255			
Chlorophyll a	4.5	mg/m3	1.0	1.0	1.0
Method: 160.1	Date Analyzed:	08/16/2006 1600			
Total Dissolved Solids	180	mg/L	5.0	5.0	1.0
Method: 160.2	Date Analyzed:	08/16/2006 1706			
Total Suspended Solids	8.4	mg/L	1.0	1.0	1.0
Method: 405.1	Date Analyzed:	08/16/2006 1141			
Biochemical Oxygen Demand	2.0 U	mg/L	2.0	2.0	1.0
Method: 5220C	Date Analyzed:	08/22/2006 1100			
Chemical Oxygen Demand	20 U	mg/L	20	20	1.0
Method: QuantiTray 2000	Date Analyzed:	08/14/2006 1500			
Coliform, Fecal	550	MPN/100mL	1.0	1.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3B2B
Lab Sample ID: 660-10667-4

Date Sampled: 08/14/2006 1240
Date Received: 08/14/2006 1415
Client Matrix: Water
Percent Solids:

Analyte	Result/Qualifier	Unit	NONE	Dilution
Method: Field Sampling	Date Analyzed:	08/14/2006 1240		
Field pH	6.33	SU		1.0
Field Temperature	25.25	Degrees C		1.0
Oxygen, Dissolved	5.08	mg/L		1.0
Specific Conductance	247	umhos/cm		1.0
Turbidity	3.6	NTU		1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3B2B
Lab Sample ID: 660-10667-4

Date Sampled: 08/14/2006 1240
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006 2336			
Prep Method: 5030B	Date Prepared:		08/23/2006 2336			
Benzene	0.50	U	ug/L	0.50	1.0	1.0
Bromobenzene	0.58	U	ug/L	0.58	1.0	1.0
Chlorobromomethane	0.58	U	ug/L	0.58	1.0	1.0
Dichlorobromomethane	0.35	U	ug/L	0.35	1.0	1.0
Bromoform	0.58	U	ug/L	0.58	1.0	1.0
Bromomethane	2.5	U	ug/L	2.5	5.0	1.0
n-Butylbenzene	0.67	U	ug/L	0.67	1.0	1.0
sec-Butylbenzene	0.63	U	ug/L	0.63	1.0	1.0
tert-Butylbenzene	0.84	U	ug/L	0.84	1.0	1.0
Carbon tetrachloride	0.42	U	ug/L	0.42	1.0	1.0
Chlorobenzene	0.63	U	ug/L	0.63	1.0	1.0
Chloroethane	2.5	U	ug/L	2.5	5.0	1.0
Chloroform	0.90	U	ug/L	0.90	1.0	1.0
Chloromethane	1.0	U	ug/L	1.0	4.0	1.0
2-Chlorotoluene	0.65	U	ug/L	0.65	1.0	1.0
4-Chlorotoluene	0.52	U	ug/L	0.52	1.0	1.0
Chlorodibromomethane	0.34	U	ug/L	0.34	1.0	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	ug/L	2.5	5.0	1.0
Ethylene Dibromide	0.50	U	ug/L	0.50	1.0	1.0
Dibromomethane	0.41	U	ug/L	0.41	1.0	1.0
1,2-Dichlorobenzene	0.44	U	ug/L	0.44	1.0	1.0
1,3-Dichlorobenzene	0.64	U	ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	0.52	U	ug/L	0.52	1.0	1.0
Dichlorodifluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,1-Dichloroethane	0.52	U	ug/L	0.52	1.0	1.0
1,2-Dichloroethane	0.57	U	ug/L	0.57	1.0	1.0
1,1-Dichloroethene	0.45	U	ug/L	0.45	1.0	1.0
cis-1,2-Dichloroethene	0.65	U	ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	0.44	U	ug/L	0.44	1.0	1.0
1,2-Dichloropropane	0.52	U	ug/L	0.52	1.0	1.0
1,3-Dichloropropane	0.39	U	ug/L	0.39	1.0	1.0
2,2-Dichloropropane	0.36	U	ug/L	0.36	1.0	1.0
1,1-Dichloropropene	0.31	U	ug/L	0.31	1.0	1.0
cis-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
trans-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.44	U	ug/L	0.44	1.0	1.0
Hexachlorobutadiene	0.46	U	ug/L	0.46	1.0	1.0
Isopropylbenzene	0.19	U	ug/L	0.19	1.0	1.0
4-Isopropyltoluene	0.69	U	ug/L	0.69	1.0	1.0
Methylene Chloride	4.0	U	ug/L	4.0	5.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3B2B
Lab Sample ID: 660-10667-4

Date Sampled: 08/14/2006 1240
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006 2336			
Prep Method: 5030B	Date Prepared:		08/23/2006 2336			
Acrolein	3.8	U	ug/L	3.8	100	1.0
Naphthalene	2.5	U	ug/L	2.5	5.0	1.0
N-Propylbenzene	0.59	U	ug/L	0.59	1.0	1.0
Acrylonitrile	1.2	U	ug/L	1.2	100	1.0
Styrene	0.98	U	ug/L	0.98	2.0	1.0
1,1,1,2-Tetrachloroethane	0.63	U	ug/L	0.63	1.0	1.0
1,1,2,2-Tetrachloroethane	0.14	U	ug/L	0.14	1.0	1.0
Tetrachloroethene	0.50	U	ug/L	0.50	1.0	1.0
Toluene	0.51	U	ug/L	0.51	1.0	1.0
1,2,3-Trichlorobenzene	0.77	U	ug/L	0.77	1.0	1.0
1,2,4-Trichlorobenzene	0.58	U	ug/L	0.58	1.0	1.0
1,1,1-Trichloroethane	0.46	U	ug/L	0.46	1.0	1.0
1,1,2-Trichloroethane	0.47	U	ug/L	0.47	1.0	1.0
Trichloroethene	0.50	U	ug/L	0.50	1.0	1.0
Trichlorofluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,2,3-Trichloropropane	0.15	U	ug/L	0.15	1.0	1.0
1,2,4-Trimethylbenzene	0.86	U	ug/L	0.86	1.0	1.0
1,3,5-Trimethylbenzene	0.54	U	ug/L	0.54	1.0	1.0
Vinyl chloride	0.50	U	ug/L	0.50	1.0	1.0
Methyl Ethyl Ketone	8.4	U	ug/L	8.4	10	1.0
methyl isobutyl ketone	3.8	U	ug/L	3.8	10	1.0
Carbon disulfide	0.85	U	ug/L	0.85	1.0	1.0
2-Hexanone	4.4	U	ug/L	4.4	10	1.0
Methyl tert-butyl ether	0.44	U	ug/L	0.44	1.0	1.0
Xylenes, Total	0.50	U	ug/L	0.50	3.0	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	107	%	77 - 122
4-Bromofluorobenzene	91	%	74 - 126
Dibromofluoromethane	109	%	70 - 130

Method: TOT-REC-6020
Prep Method: 3005A

Date Analyzed: 08/16/2006 1954
Date Prepared: 08/16/2006 1106

Silver	1.9	U	ug/L	1.9	10	1.0
Arsenic	4.8	U	ug/L	4.8	10	1.0
Barium	30		ug/L	1.2	10	1.0
Beryllium	0.74	U	ug/L	0.74	4.0	1.0
Cadmium	0.71	U	ug/L	0.71	5.0	1.0
Cobalt	1.4	U	ug/L	1.4	10	1.0
Chromium	2.5	I	ug/L	1.7	10	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3B2B
Lab Sample ID: 660-10667-4

Date Sampled: 08/14/2006 1240
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: TOT-REC-6020 Prep Method: 3005A	Date Analyzed:	08/16/2006 1954			
	Date Prepared:	08/16/2006 1106			
Copper	2.9 U	ug/L	2.9	20	1.0
Nickel	4.7 U	ug/L	4.7	40	1.0
Lead	1.6 U	ug/L	1.6	5.0	1.0
Antimony	2.9 U	ug/L	2.9	6.0	1.0
Selenium	5.9 U	ug/L	5.9	10	1.0
Thallium	0.50 U	ug/L	0.50	1.0	1.0
Vanadium	3.0 I	ug/L	2.5	5.0	1.0
Zinc	17 I	ug/L	5.9	20	1.0
Method: TOT-REC-6020 Prep Method: 3005A	Date Analyzed:	08/17/2006 1655			
	Date Prepared:	08/16/2006 1106			
Iron	1500	ug/L	39	100	1.0
Method: 7470A Prep Method: 7470A	Date Analyzed:	08/17/2006 1447			
	Date Prepared:	08/17/2006 0923			
Mercury	0.080 U	ug/L	0.080	0.20	1.0
Method: 350.1	Date Analyzed:	08/27/2006 1200			
Ammonia (as N)	0.32	mg/L	0.025	0.10	1.0
Method: 351.2 Prep Method: 351.2	Date Analyzed:	08/22/2006 1400			
	Date Prepared:	08/21/2006 1400			
Nitrogen, Kjeldahl	0.82	mg/L	0.12	0.50	1.0
Method: 353.2	Date Analyzed:	08/16/2006 0811			
Nitrite Nitrogen	0.10 U	mg/L	0.10	0.50	1.0
Nitrate Nitrogen	0.10 U	mg/L	0.10	0.50	1.0
Method: 365.4 Prep Method: 365.2/365.3	Date Analyzed:	08/21/2006 1619			
	Date Prepared:	08/18/2006 1400			
Phosphorus, Total	7.9	mg/L	0.30	1.2	4.0
Method: 415.1	Date Analyzed:	08/21/2006 2349			
Total Organic Carbon	11	mg/L	0.53	2.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3B2B
Lab Sample ID: 660-10667-4

Date Sampled: 08/14/2006 1240
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	PQL	Dilution
Method: 2340B	Date Analyzed:	08/23/2006 1423			
Hardness as calcium carbonate	79	mg/L	3.3	3.3	1.0
Method: DISS-10200H	Date Analyzed:	08/24/2006 1255			
Chlorophyll a	4.8	mg/m3	1.0	1.0	1.0
Method: 160.1	Date Analyzed:	08/16/2006 1600			
Total Dissolved Solids	160	mg/L	5.0	5.0	1.0
Method: 160.2	Date Analyzed:	08/16/2006 1706			
Total Suspended Solids	370	mg/L	3.6	3.6	1.0
Method: 405.1	Date Analyzed:	08/16/2006 1141			
Biochemical Oxygen Demand	2.0 U	mg/L	2.0	2.0	1.0
Method: 5220C	Date Analyzed:	08/22/2006 1100			
Chemical Oxygen Demand	33	mg/L	20	20	1.0
Method: QuantiTray 2000	Date Analyzed:	08/14/2006 1500			
Coliform, Fecal	1100	MPN/100mL	1.0	1.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3B2B
Lab Sample ID: 660-10667-4

Date Sampled: 08/14/2006 1240
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 415.1	Date Analyzed:	08/21/2006 2349			
Method: Total Nitrogen	Date Analyzed:	08/29/2006 0823			
Nitrogen, Total	0.82	mg/L	0.010	0.050	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3C2
Lab Sample ID: 660-10667-11

Date Sampled: 08/14/2006 1220
Date Received: 08/14/2006 1415
Client Matrix: Water
Percent Solids:

Analyte	Result/Qualifier	Unit	NONE	Dilution
Method: Field Sampling	Date Analyzed:	08/14/2006 1220		
Field pH	6.60	SU		1.0
Field Temperature	27.00	Degrees C		1.0
Oxygen, Dissolved	5.33	mg/L		1.0
Specific Conductance	332	umhos/cm		1.0
Turbidity	3.0	NTU		1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3C2
Lab Sample ID: 660-10667-11

Date Sampled: 08/14/2006 1220
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006 2355			
Prep Method: 5030B	Date Prepared:		08/23/2006 2355			
Benzene	0.50	U	ug/L	0.50	1.0	1.0
Bromobenzene	0.58	U	ug/L	0.58	1.0	1.0
Chlorobromomethane	0.58	U	ug/L	0.58	1.0	1.0
Dichlorobromomethane	0.35	U	ug/L	0.35	1.0	1.0
Bromoform	0.58	U	ug/L	0.58	1.0	1.0
Bromomethane	2.5	U	ug/L	2.5	5.0	1.0
n-Butylbenzene	0.67	U	ug/L	0.67	1.0	1.0
sec-Butylbenzene	0.63	U	ug/L	0.63	1.0	1.0
tert-Butylbenzene	0.84	U	ug/L	0.84	1.0	1.0
Carbon tetrachloride	0.42	U	ug/L	0.42	1.0	1.0
Chlorobenzene	0.63	U	ug/L	0.63	1.0	1.0
Chloroethane	2.5	U	ug/L	2.5	5.0	1.0
Chloroform	0.90	U	ug/L	0.90	1.0	1.0
Chloromethane	1.0	U	ug/L	1.0	4.0	1.0
2-Chlorotoluene	0.65	U	ug/L	0.65	1.0	1.0
4-Chlorotoluene	0.52	U	ug/L	0.52	1.0	1.0
Chlorodibromomethane	0.34	U	ug/L	0.34	1.0	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	ug/L	2.5	5.0	1.0
Ethylene Dibromide	0.50	U	ug/L	0.50	1.0	1.0
Dibromomethane	0.41	U	ug/L	0.41	1.0	1.0
1,2-Dichlorobenzene	0.44	U	ug/L	0.44	1.0	1.0
1,3-Dichlorobenzene	0.64	U	ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	0.52	U	ug/L	0.52	1.0	1.0
Dichlorodifluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,1-Dichloroethane	0.52	U	ug/L	0.52	1.0	1.0
1,2-Dichloroethane	0.57	U	ug/L	0.57	1.0	1.0
1,1-Dichloroethene	0.45	U	ug/L	0.45	1.0	1.0
cis-1,2-Dichloroethene	0.65	U	ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	0.44	U	ug/L	0.44	1.0	1.0
1,2-Dichloropropane	0.52	U	ug/L	0.52	1.0	1.0
1,3-Dichloropropane	0.39	U	ug/L	0.39	1.0	1.0
2,2-Dichloropropane	0.36	U	ug/L	0.36	1.0	1.0
1,1-Dichloropropene	0.31	U	ug/L	0.31	1.0	1.0
cis-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
trans-1,3-Dichloropropene	0.14	U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.44	U	ug/L	0.44	1.0	1.0
Hexachlorobutadiene	0.46	U	ug/L	0.46	1.0	1.0
Isopropylbenzene	0.19	U	ug/L	0.19	1.0	1.0
4-Isopropyltoluene	0.69	U	ug/L	0.69	1.0	1.0
Methylene Chloride	4.0	U	ug/L	4.0	5.0	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3C2
Lab Sample ID: 660-10667-11

Date Sampled: 08/14/2006 1220
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B	Date Analyzed:		08/23/2006 2355			
Prep Method: 5030B	Date Prepared:		08/23/2006 2355			
Acrolein	3.8	U	ug/L	3.8	100	1.0
Naphthalene	2.5	U	ug/L	2.5	5.0	1.0
N-Propylbenzene	0.59	U	ug/L	0.59	1.0	1.0
Acrylonitrile	1.2	U	ug/L	1.2	100	1.0
Styrene	0.98	U	ug/L	0.98	2.0	1.0
1,1,1,2-Tetrachloroethane	0.63	U	ug/L	0.63	1.0	1.0
1,1,2,2-Tetrachloroethane	0.14	U	ug/L	0.14	1.0	1.0
Tetrachloroethene	0.50	U	ug/L	0.50	1.0	1.0
Toluene	0.51	U	ug/L	0.51	1.0	1.0
1,2,3-Trichlorobenzene	0.77	U	ug/L	0.77	1.0	1.0
1,2,4-Trichlorobenzene	0.58	U	ug/L	0.58	1.0	1.0
1,1,1-Trichloroethane	0.46	U	ug/L	0.46	1.0	1.0
1,1,2-Trichloroethane	0.47	U	ug/L	0.47	1.0	1.0
Trichloroethene	0.50	U	ug/L	0.50	1.0	1.0
Trichlorofluoromethane	2.5	U	ug/L	2.5	5.0	1.0
1,2,3-Trichloropropane	0.15	U	ug/L	0.15	1.0	1.0
1,2,4-Trimethylbenzene	0.86	U	ug/L	0.86	1.0	1.0
1,3,5-Trimethylbenzene	0.54	U	ug/L	0.54	1.0	1.0
Vinyl chloride	0.50	U	ug/L	0.50	1.0	1.0
Methyl Ethyl Ketone	8.4	U	ug/L	8.4	10	1.0
methyl isobutyl ketone	3.8	U	ug/L	3.8	10	1.0
Carbon disulfide	0.85	U	ug/L	0.85	1.0	1.0
2-Hexanone	4.4	U	ug/L	4.4	10	1.0
Methyl tert-butyl ether	0.44	U	ug/L	0.44	1.0	1.0
Xylenes, Total	0.50	U	ug/L	0.50	3.0	1.0

Surrogate	Acceptance Limits	
Toluene-d8 (Surr)	106	% 77 - 122
4-Bromofluorobenzene	92	% 74 - 126
Dibromofluoromethane	108	% 70 - 130

Method: TOT-REC-6020
Prep Method: 3005A

Date Analyzed: 08/16/2006 2001
Date Prepared: 08/16/2006 1106

Silver	1.9	U	ug/L	1.9	10	1.0
Arsenic	4.8	U	ug/L	4.8	10	1.0
Barium	13		ug/L	1.2	10	1.0
Beryllium	0.74	U	ug/L	0.74	4.0	1.0
Cadmium	0.71	U	ug/L	0.71	5.0	1.0
Cobalt	1.4	U	ug/L	1.4	10	1.0
Chromium	1.7	U	ug/L	1.7	10	1.0

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Job Number: 660-10667-1

Client Sample ID: Surface Site 3C2
Lab Sample ID: 660-10667-11

Date Sampled: 08/14/2006 1220
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: TOT-REC-6020 Prep Method: 3005A	Date Analyzed: Date Prepared:	08/16/2006 2001 08/16/2006 1106			
Copper	2.9 U	ug/L	2.9	20	1.0
Nickel	4.7 U	ug/L	4.7	40	1.0
Lead	1.6 U	ug/L	1.6	5.0	1.0
Antimony	2.9 U	ug/L	2.9	6.0	1.0
Selenium	5.9 U	ug/L	5.9	10	1.0
Thallium	0.50 U	ug/L	0.50	1.0	1.0
Vanadium	5.7	ug/L	2.5	5.0	1.0
Zinc	9.1 I	ug/L	5.9	20	1.0
Method: TOT-REC-6020 Prep Method: 3005A	Date Analyzed: Date Prepared:	08/17/2006 1703 08/16/2006 1106			
Iron	330	ug/L	39	100	1.0
Method: 7470A Prep Method: 7470A	Date Analyzed: Date Prepared:	08/17/2006 1450 08/17/2006 0923			
Mercury	0.080 U	ug/L	0.080	0.20	1.0
Method: 350.1	Date Analyzed:	08/27/2006 1200			
Ammonia (as N)	0.35	mg/L	0.025	0.10	1.0
Method: 351.2 Prep Method: 351.2	Date Analyzed: Date Prepared:	08/22/2006 1400 08/21/2006 1400			
Nitrogen, Kjeldahl	0.66	mg/L	0.12	0.50	1.0
Method: 353.2	Date Analyzed:	08/16/2006 0811			
Nitrite Nitrogen	0.10 U	mg/L	0.10	0.50	1.0
Nitrate Nitrogen	0.15 I	mg/L	0.10	0.50	1.0
Method: 365.4 Prep Method: 365.2/365.3	Date Analyzed: Date Prepared:	08/21/2006 1619 08/18/2006 1400			
Phosphorus, Total	0.56	mg/L	0.075	0.30	1.0
Method: 415.1	Date Analyzed:	08/22/2006 0008			
Total Organic Carbon	14	mg/L	1.1	4.0	2.0

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Client Sample ID: Surface Site 3C2
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Date Sampled: 08/14/2006 1220
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 415.1	Date Analyzed:	08/22/2006	0008		
Method: Total Nitrogen	Date Analyzed:	08/29/2006	0823		
Nitrogen, Total	0.83	mg/L	0.010	0.050	1.0

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Client Sample ID: Surface Site 3C2
Lab Sample ID: 660-10667-11

Date Sampled: 08/14/2006 1220
Date Received: 08/14/2006 1415
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	PQL	Dilution
Method: 2340B	Date Analyzed:	08/23/2006 1423			
Hardness as calcium carbonate	87	mg/L	3.3	3.3	1.0
Method: DISS-10200H	Date Analyzed:	08/24/2006 1255			
Chlorophyll a	3.1	mg/m3	1.0	1.0	1.0
Method: 160.1	Date Analyzed:	08/16/2006 1600			
Total Dissolved Solids	220	mg/L	5.0	5.0	1.0
Method: 160.2	Date Analyzed:	08/16/2006 1706			
Total Suspended Solids	4.4	mg/L	1.0	1.0	1.0
Method: 405.1	Date Analyzed:	08/16/2006 1141			
Biochemical Oxygen Demand	2.0 U	mg/L	2.0	2.0	1.0
Method: 5220C	Date Analyzed:	08/22/2006 1100			
Chemical Oxygen Demand	30	mg/L	20	20	1.0
Method: QuantiTray 2000	Date Analyzed:	08/14/2006 1500			
Coliform, Fecal	290	MPN/100mL	1.0	1.0	1.0

DATA REPORTING QUALIFIERS

Client: Hillsborough County

Job Number: 660-10667-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected.
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Biology		
	U	Indicates that the compound was analyzed for but not detected.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.