P0970 RCO 2208

David Garrett & Associates

Engineering and Geology

February 7, 2007

Ms. Jackie Drummond
NC Division of Waste Management
Solid Waste Section
Mail Service Center 1646
Raleigh, NC 27699-1646

RE: Baseline Water Quality Monitoring Report
A-1 Sandrock, Inc. (Guilford County, NC)

Dear Ms. Drummond:

On behalf of A-1 Sandrock, Inc., I am pleased to present this summary report of the background water-quality sampling event. Ground and surface water samples were collected on November 29, 2006 by a representative of Environmental Field Management, Inc. David Garrett was present during the initial phases of the sampling to orient EFM's personnel to the site. All sampling lab work was conducted in accordance with the site Water Quality Monitoring Plan (WQMP), previously approved by NC DENR Division of Waste Management, and industry standard protocol.

The sampling consisted of five ground water monitoring wells and four surface stream sampling locations, shown on the attached figure. Attached to this letter are the following:

1. Summary Data Table showing detected constituents and field parameters
2. Monitoring location map, showing ground water potentiometric contours
3. Laboratory report from Tritest, Inc.

All wells were purged by manually bailing a conventional three well volumes, and unfiltered samples only were collected. Field parameters (pH, conductivity, turbidity, and static water level) were measured and have been summarized in the Summary Data Table. Of note in these data, relatively high turbidity was observed (caused by suspended solids) in water samples collected from all of the monitoring, although the wells were purged when constructed. The turbidity may clear up with time, as it is likely caused by disturbance of the soil fines adjacent to the well screen during the sampling process. This condition does not diminish the value of the samples, although turbidity could lead to falsely elevated inorganic constituents (metals), which could influence future interpretation of the results.

The pH of the ground water samples ranged from approximately 6.0 to 6.4, and conductivity ranged from 109 to 216 μmho/cm (relatively low). No organic constituents on the Appendix I list were detected during the baseline sampling. This is to be expected, since the site was a "green" site (no previous industrial development) and the Appendix I organic constituents are not naturally occurring compounds. The future monitoring of organic constituents will be the key indication of a ground water impact from the landfill.

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A few inorganic constituents were detected in the ground water samples collected from the site monitoring wells, i.e. metals (barium, chromium, cobalt,, copper, lead, nickel, silver, vanadium, zinc), however none was reported at a concentration above the corresponding 15A NCAC 2L ground water quality standard. These are naturally occurring constituents that frequently show up in the background at ground water monitoring sites within the Piedmont. It should also be noted that these results represent *total* metals analysis, i.e. unfiltered samples, which are subject to turbidity, as opposed to a *dissolved* metals analysis (filtered samples).

The stream water data indicate similar but slightly higher pH conditions than measured in ground water (6.8 to 7.1), turbidity ranged from 15 to 38 NTU (low), and conductivity was fairly low (109 to 335 μmho/cm). Antimony and copper were reported in the water sample collected from location SW-3 at concentrations of 0.033 mg/L and 0.042 mg/l, respectively. These concentrations do not exceed the corresponding 15A NCAC 2L ground water quality standards. It is noted that the area in the vicinity of the site has a history of mining operations extending back over 100 years and copper-bearing minerals (and various metal-sulfide constituents) are abundant in certain local rock formations. Inasmuch as SW-3 is an upgradient background sampling point located along an unnamed tributary to Hickory Creek south of the landfill unit (see attached site map), the concentration of copper reported in the surface water sample is considered representative of background conditions. Barium was reported at concentrations ranging from 0.047 mg/L to 0.082 mg/L in the surface water samples collected from locations SW-1, SW-2 and SW-4, which do not exceed the corresponding 15A NCAC 2L ground water quality standard. Please note that there are three streams converging at the site, hence three background sampling points and one existing stream sample.

Ground and surface water sampling is normally conducted on a semi-annual basis for these type facilities. Presumably, the next semi-annual sampling event will be scheduled in May or June 2007, approximately six months after the baseline event. The object is to have sampling events that are representative of both wet and dry seasons. Once future samples are collected and analyzed, the results should be added to the data base. Future sampling will adhere to the new protocols established in 2006 by NC DENR DMW, including an expanded list of inorganic constituents in addition to the Appendix I list.

Please contact me at your earliest convenience if I can provide clarification.

Very Truly Yours,

Brian S. Boutin, P.G.

NORTH CAROLINA LICENSED SEAL #268 GEOLOGIST BRIAN S. BOUTIN

Cc: Ronnie Petty – A-1 Sandrock
G. David Garrett, P.G., P.E.

Detected Inorganic Constituents All values are given in mg/l No Appendix I organic constituents were detected.

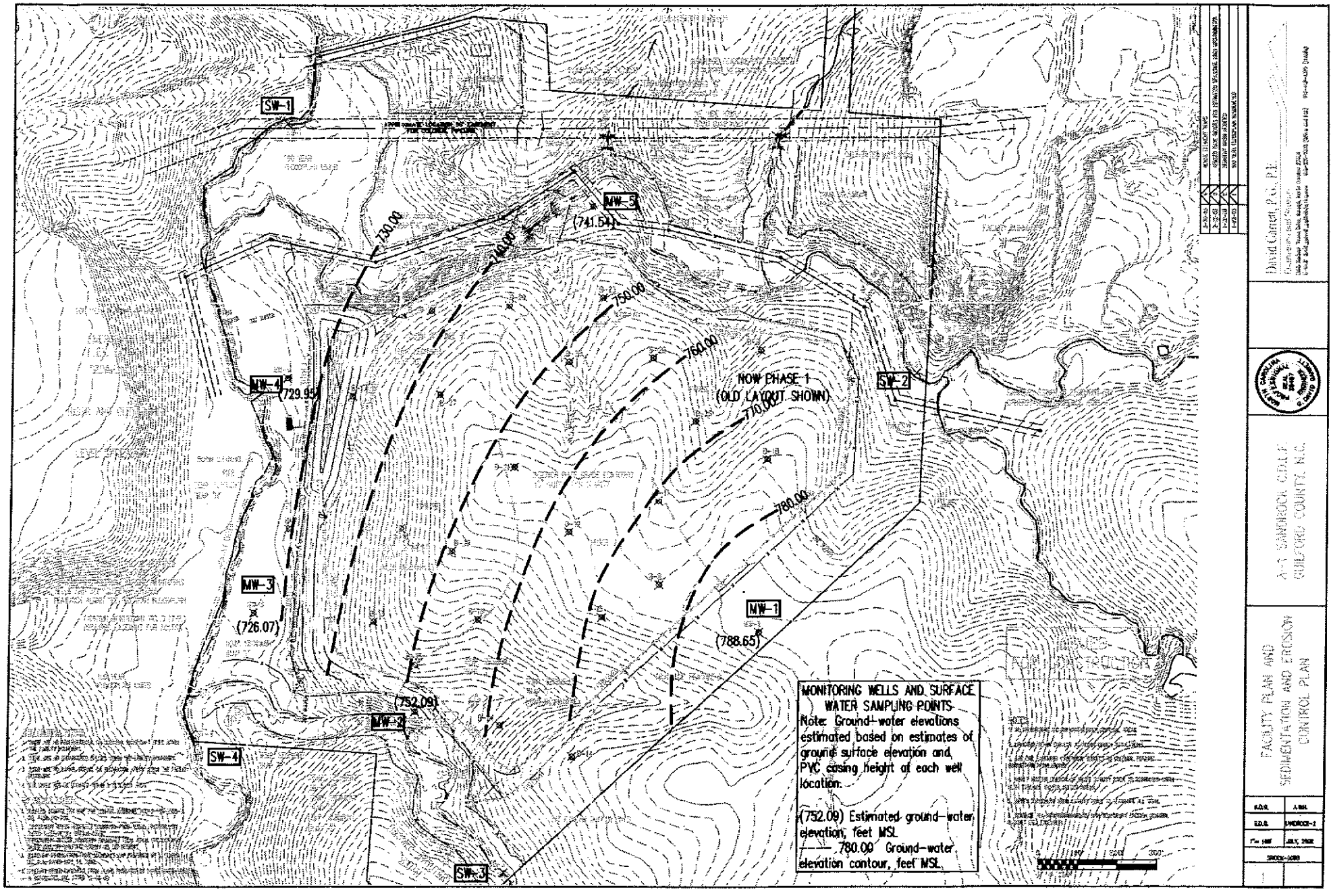
Bold data represent duplicates or resampling events, if required.

Constituent	NC 2L Standard	Sampling Date	MW-1 Backgrnd	MW-2	MW-3	MW-4	MW-5	Surface 1 Backgrnd	Surface 2 Backgrnd	Surface 3 Backgrnd	Surface 4
Antimony		11/29/06								0.033	
Arsenic	0.05	11/29/06									
Barium	2.0	11/29/06	0.390	0.449	0.860	0.768	0.534	0.082	0.047		0.070
Beryllium		11/29/06									
Cadmium	0.005	11/29/06									
Cobalt		11/29/06	0.009	0.009	0.030	0.011	0.014				

Constituent	NC 2L Standard	Sampling Date	MW-1 Backgrnd	MW-2	MW-3	MW-4	MW-5	Surface 1 Backgrnd	Surface 2	Surface 3	Surface 4
Copper	1.0	11/29/06	0.036	0.045	0.060	0.067	0.055			0.042	
Chromium (total)	0.05	11/29/06			0.029	0.011	0.011				
Lead	0.015	11/29/06	0.011			0.006					
Nickel	0.1	11/29/06	0.010		0.067	0.015	0.014				
Selenium	0.05	11/29/06									
Silver	0.018	11/29/06	0.012								
Thallium		11/29/06									

Constituent	NC 2L Standard	Sampling Date	MW-1 Backgrnd	MW-2	MW-3	MW-4	MW-5	Surface 1 Backgrnd	Surface 2	Surface 3	Surface 4
Vanadium		11/29/06	0.200	0.200	0.135	0.106	0.145				
Zinc	2.1	11/29/06	0.202	0.236	0.219	0.354	0.501				
pH		11/29/06	6.42	6.20	6.28	6.01	6.27	7.14	6.82	6.96	6.96
Specific Conductance, µmho/cm		11/29/06	216	125	128	128	218	335	152	109	280
Turbidity, NTU		11/29/06	1,000+	1,000+	1,000+	1,000+	725	22	15	38	32
Static Water Level, feet (toc)		11/29/06	25.85	8.41	4.43	4.55	14.96	NA	NA	NA	NA

Notes: Relatively high turbidity noted at MW-1, MW-2, MW-3 and MW-4.


SW-1
SW-2
SW-3
SW-4
MW-1
(788.65)
MW-2
(752.09)
MW-3
(726.07)
MW-4
(729.95)
MW-5
(741.54)
730.00
740.00
750.00
760.00
770.00
780.00
NOW PHASE 1
(OLD LAYOUT SHOWN)
MONITORING WELLS AND SURFACE WATER SAMPLING POINTS
Note: Ground-water elevations estimated based on estimates of ground surface elevation and PVC casing height at each well location.
(752.09) Estimated ground-water elevation, feet MSL
780.00 Ground-water elevation contour, feet MSL
David Garrett, P.G., P.E.
A-1 SANDROCK C.D.L.F.
GUILFORD COUNTY, N.C.
FACILITY PLAN AND SEDIMENTATION AND EROSION CONTROL PLAN

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NC/DW Cert. #: 37731

Laboratory Report

--- Prepared for ---
JEFF LEAVER
EFM
495 BEAUMONT LANE
PITTSBORO, NC 27312

Report Date: 12/12/2006
Date Received: 11/30/2006
Work Order #: 0611-01286

Project No.:
Project ID: MONITORING WELLS

Cust. Code: EF9901
Cust. P.O.#:

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
001	4117 - MW1	11/29/2006	15:05	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/1/06	9:43	
Arsenic	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Barium	EPA 200.8	0.390 mg/L	12/1/06	9:43	
Beryllium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Cadmium	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Chromium	EPA 200.8	<0.010 mg/L	12/1/06	9:43	
Cobalt	EPA 200.8	0.009 mg/L	12/1/06	9:43	
Copper	EPA 200.8	0.036 mg/L	12/1/06	9:43	
Lead	EPA 200.8	0.011 mg/L	12/1/06	9:43	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	
Nickel	EPA 200.8	0.010 mg/L	12/1/06	9:43	
Selenium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Silver	EPA 200.8	0.012 mg/L	12/1/06	9:43	
Thallium	EPA 200.8	<0.001 mg/L	12/1/06	9:43	
Vanadium	EPA 200.8	0.200 mg/L	12/5/06	9:34	
Zinc	EPA 200.8	0.202 mg/L	12/1/06	9:43	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	

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Work Order #: **0611-01286**

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001	4117 - MW1	11/29/2006	15:05	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	

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Laboratory Report

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No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
001	4117 - MW1	11/29/2006	15:05	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
GW 3030C Metals Prep	SM 3030C	done	12/1/06	6:15	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
002	4117 - MW2	11/29/2006	16:50	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/1/06	9:43	
Arsenic	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Barium	EPA 200.8	0.449 mg/L	12/1/06	9:43	
Beryllium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Cadmium	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Chromium	EPA 200.8	<0.010 mg/L	12/1/06	9:43	
Cobalt	EPA 200.8	0.009 mg/L	12/1/06	9:43	
Copper	EPA 200.8	0.045 mg/L	12/1/06	9:43	
Lead	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	
Nickel	EPA 200.8	<0.010 mg/L	12/1/06	9:43	
Selenium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Silver	EPA 200.8	<0.010 mg/L	12/1/06	9:43	
Thallium	EPA 200.8	<0.001 mg/L	12/1/06	9:43	
Vanadium	EPA 200.8	0.200 mg/L	12/5/06	9:34	
Zinc	EPA 200.8	0.236 mg/L	12/1/06	9:43	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	

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No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
002	4117 - MW2	11/29/2006	16:50	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	

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NC/DW Cert. #: 37731

Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
002	4117 - MW2	11/29/2006	16:50	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
GW 3030C Metals Prep	SM 3030C	done	12/1/06	6:15	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
003	4117 - MW3	11/29/2006	16:20	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/1/06	9:43	
Arsenic	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Barium	EPA 200.8	0.860 mg/L	12/1/06	9:43	
Beryllium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Cadmium	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Chromium	EPA 200.8	0.029 mg/L	12/1/06	9:43	
Cobalt	EPA 200.8	0.030 mg/L	12/1/06	9:43	
Copper	EPA 200.8	0.060 mg/L	12/1/06	9:43	
Lead	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	
Nickel	EPA 200.8	0.067 mg/L	12/1/06	9:43	
Selenium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Silver	EPA 200.8	<0.010 mg/L	12/1/06	9:43	
Thallium	EPA 200.8	<0.001 mg/L	12/1/06	9:43	
Vanadium	EPA 200.8	0.135 mg/L	12/5/06	9:34	
Zinc	EPA 200.8	0.219 mg/L	12/1/06	9:43	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	

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NC/WW Cert. #: 067
NC/DW Cert. #: 37731

Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
003	4117 - MW3	11/29/2006	16:20	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
003	4117 - MW3	11/29/2006	16:20	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
GW 3030C Metals Prep	SM 3030C	done	12/1/06	6:15	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
004	4117 - MW4	11/29/2006	15:40	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/1/06	9:43	
Arsenic	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Barium	EPA 200.8	0.768 mg/L	12/1/06	9:43	
Beryllium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Cadmium	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Chromium	EPA 200.8	0.011 mg/L	12/1/06	9:43	
Cobalt	EPA 200.8	0.011 mg/L	12/1/06	9:43	
Copper	EPA 200.8	0.067 mg/L	12/1/06	9:43	
Lead	EPA 200.8	0.006 mg/L	12/1/06	9:43	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	
Nickel	EPA 200.8	0.015 mg/L	12/1/06	9:43	
Selenium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Silver	EPA 200.8	<0.010 mg/L	12/1/06	9:43	
Thallium	EPA 200.8	<0.001 mg/L	12/1/06	9:43	
Vanadium	EPA 200.8	0.106 mg/L	12/5/06	9:34	
Zinc	EPA 200.8	0.354 mg/L	12/1/06	9:43	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
004	4117 - MW4	11/29/2006	15:40	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
004	4117 - MW4	11/29/2006	15:40	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
GW 3030C Metals Prep	SM 3030C	done	12/1/06	6:15	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
005	4117 - MW5	11/29/2006	14:20	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/1/06	9:43	
Arsenic	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Barium	EPA 200.8	0.534 mg/L	12/1/06	9:43	
Beryllium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Cadmium	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Chromium	EPA 200.8	0.011 mg/L	12/1/06	9:43	
Cobalt	EPA 200.8	0.014 mg/L	12/1/06	9:43	
Copper	EPA 200.8	0.055 mg/L	12/1/06	9:43	
Lead	EPA 200.8	<0.005 mg/L	12/1/06	9:43	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	
Nickel	EPA 200.8	0.014 mg/L	12/1/06	9:43	
Selenium	EPA 200.8	<0.002 mg/L	12/1/06	9:43	
Silver	EPA 200.8	<0.010 mg/L	12/1/06	9:43	
Thallium	EPA 200.8	<0.001 mg/L	12/1/06	9:43	
Vanadium	EPA 200.8	0.145 mg/L	12/5/06	9:34	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
005	4117 - MW5	11/29/2006	14:20	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Zinc	EPA 200.8	0.501 mg/L	12/1/06	9:43	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
005	4117 - MW5	11/29/2006	14:20	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
GW 3030C Metals Prep	SM 3030C	done	12/1/06	6:15	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
006	4117 - SW1	11/29/2006	17:50	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/7/06	12:16	
Arsenic	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Barium	EPA 200.8	0.082 mg/L	12/7/06	12:16	
Beryllium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Cadmium	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Chromium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Cobalt	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Copper	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Lead	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	

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Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
006	4117 - SW1	11/29/2006	17:50	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Nickel	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Selenium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Silver	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Thallium	EPA 200.8	<0.001 mg/L	12/7/06	12:16	
Vanadium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Zinc	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
006	4117 - SW1	11/29/2006	17:50	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
007	4117 - SW2	11/29/2006	14:35	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/7/06	12:16	
Arsenic	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Barium	EPA 200.8	0.047 mg/L	12/7/06	12:16	
Beryllium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Cadmium	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Chromium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
007	4117 - SW2	11/29/2006	14:35	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Cobalt	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Copper	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Lead	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	
Nickel	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Selenium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Silver	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Thallium	EPA 200.8	<0.001 mg/L	12/7/06	12:16	
Vanadium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Zinc	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
007	4117 - SW2	11/29/2006	14:35	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
008	4117 - SW3	11/29/2006	17:20	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/7/06	12:16	
Arsenic	EPA 200.8	<0.005 mg/L	12/7/06	12:16	

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No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
008	4117 - SW3	11/29/2006	17:20	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Barium	EPA 200.8	0.033 mg/L	12/7/06	12:16	
Beryllium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Cadmium	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Chromium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Cobalt	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Copper	EPA 200.8	0.042 mg/L	12/7/06	12:16	
Lead	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	
Nickel	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Selenium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Silver	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Thallium	EPA 200.8	<0.001 mg/L	12/7/06	12:16	
Vanadium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Zinc	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	

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NC/WW Cert. #: 067
NC/DW Cert. #: 37731

Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
008	4117 - SW3	11/29/2006	17:20	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
009	4117 - EQBLANK	11/29/2006	13:45	WW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/7/06	12:16	
Arsenic	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Barium	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Beryllium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Cadmium	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Chromium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Cobalt	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Copper	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Lead	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	
Nickel	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Selenium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Silver	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Thallium	EPA 200.8	<0.001 mg/L	12/7/06	12:16	
Vanadium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Zinc	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
009	4117 - EQBLANK	11/29/2006	13:45	WW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
010	4117 - SW4	11/29/2006	16:10	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
Antimony	EPA 200.8	<0.003 mg/L	12/7/06	12:16	
Arsenic	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Barium	EPA 200.8	0.070 mg/L	12/7/06	12:16	
Beryllium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Cadmium	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Chromium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Cobalt	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Copper	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Lead	EPA 200.8	<0.005 mg/L	12/7/06	12:16	
Mercury	EPA 245.1	<0.2 ug/L	12/7/06	6:38	
Nickel	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Selenium	EPA 200.8	<0.002 mg/L	12/7/06	12:16	
Silver	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Thallium	EPA 200.8	<0.001 mg/L	12/7/06	12:16	
Vanadium	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Zinc	EPA 200.8	<0.010 mg/L	12/7/06	12:16	
Volatiles by 8260B			12/5/06	8:04	
Acetone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrolein	EPA 8260B	<50 ug/L	12/5/06	8:04	
Acrylonitrile	EPA 8260B	<50 ug/L	12/5/06	8:04	
Benzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromodichloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromoform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Bromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
sec-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
tert-Butylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon disulfide	EPA 8260B	<5 ug/L	12/5/06	8:04	
Carbon tetrachloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloroethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chloroethylvinyl ether	EPA 8260B	<10 ug/L	12/5/06	8:04	
Chloroform	EPA 8260B	<5 ug/L	12/5/06	8:04	
Chloromethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
2-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
4-Chlorotoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromochloromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<25 ug/L	12/5/06	8:04	
1,2-Dibromoethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dibromomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,2-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	

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Laboratory Report

Work Order #: **0611-01286**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
010	4117 - SW4	11/29/2006	16:10	SW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed Date	Analyzed Time	Qualifier
1,4-Dichlorobenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Dichlorodifluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,2-Dichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
2,2-Dichloropropane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
cis-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,3-Dichloropropene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Ethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
2-Hexanone	EPA 8260B	<50 ug/L	12/5/06	8:04	
Isopropylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
p-Isopropyltoluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methylene chloride	EPA 8260B	<5 ug/L	12/5/06	8:04	
Methyl ethyl ketone (MEK)	EPA 8260B	<50 ug/L	12/5/06	8:04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<50 ug/L	12/5/06	8:04	
n-Propylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Styrene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Tetrachloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Toluene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,4-Trichlorobenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
1,1,1-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,1,2-Trichloroethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichloroethene	EPA 8260B	<5 ug/L	12/5/06	8:04	
Trichlorofluoromethane	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,2,3-Trichloropropane	EPA 8260B	<15 ug/L	12/5/06	8:04	
1,2,4-Trimethylbenzene	EPA 8260B	<5 ug/L	12/5/06	8:04	
1,3,5-Trimethylbenzene	EPA 8260B	<10 ug/L	12/5/06	8:04	
Vinyl acetate	EPA 8260B	<50 ug/L	12/5/06	8:04	
Vinyl chloride	EPA 8260B	<10 ug/L	12/5/06	8:04	
o-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
m- & p-Xylene	EPA 8260B	<5 ug/L	12/5/06	8:04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<100 ug/L	12/5/06	8:04	
Iodomethane	EPA 8260B	<10 ug/L	12/5/06	8:04	

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NC/WW Cert. #: 067
NC/DW Cert. #: 37731

Laboratory Report

Work Order #: **0611-01286**

Reviewed by:

for Tritest, Inc.

11/30 ABW

TRITEST
6701 Conference Drive, Raleigh, NC 27607
ph: (919) 834-4984 fax: (919) 834-6497
NCWW Cert #67, NCDW Cert # 37731

Chain of Custody

Tritest W.O. 0611-01286

☐ Standard Report Delivery
☐ Rush Report Delivery (w/ surcharge)
Note: Rush projects are subject to prior approval by Lab
Requested Due Date: _____

Report Results To:
EFM
495 BEAUMONT LANE
PITTSBORO, NC 27312

Attn: JEFF LEAVER
Phone: 919-937-9901 Fax: 919-837-9902

Bill Results To:
EFM
495 BEAUMONT LANE
PITTSBORO, NC 27312

Attn: JEFF LEAVER

Project Reference: MONITORING WELLS
Project Number: A-1 Sandrock
Purchase Order #:
Sampled By: EFM

SEE ATTACHED

Sample Description	Composite or Grab	Start Date / Start Time	Stop Date / Stop Time	Matrix WW,DW, SW, GW etc.	Analysis Requested	Smp #
~~MW-1 AH~~ 4117-MW1	G	11/29/6 / 1505		GW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, GW 3030C Metals Prep, Metals Prep, TRIP BLANK	001
~~MW-2 AH~~ 4117-MW2	G	11/29/6 / 1650		GW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, GW 3030C Metals Prep, Metals Prep	002
~~MW-3 AH~~ 4117-MW3	G	11/29/6 / 1620		GW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, GW 3030C Metals Prep, Metals Prep	003
~~MW-4 AH~~ 4117-MW4	G	11/29/6 / 1540		GW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, GW 3030C Metals Prep, Metals Prep	004
~~MW-5 AH~~ 4117-MW5	G	11/29/6 / 1420		GW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, GW 3030C Metals Prep, Metals Prep	005
~~SURFACE WATER 1 AH~~ 4117-SW1	G	11/29/6 / 175		SW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, Metals Prep	006

Relinquished by (signature)	Received by (signature)	Date	Time
[signature]	[signature]	11/30/06	9:45
Relinquished by (signature)	Received by (signature)	Date	Time
Relinquished by (signature	Received by (signature)	Date	Time

For Lab Use Only:
Temperatueat receipt:
☐ 4±2 C
☑ Temp: 3.0 C

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ph: (919) 834-4984 fax: (919) 834-6497
NCWW Cert #67, NCDW Cert # 37731

Chain of Custody

Tritest W.O. 0611-01286

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Attn: JEFF LEAVER

Project Reference: MONITORING WELLS
Project Number: A-1 Sandrock
Purchase Order #:
Sampled By: EFM

SEE ATTACHED

Sample Description	Composite or Grab	Start Date / Start Time	Stop Date / Stop Time	Matrix WW, DW, SW, GW etc.	Analysis Requested	Smp #
~~SURFACE WATER 2~~ AH 4117-SW2	G	11/29/6 / 1435		SW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, Metals Prep	007
~~SURFACE WATER 3~~ AH 4117-SW3	G	11/29/6 / 1720		SW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, Metals Prep	008
~~EQUIPMENT BLANK~~ AH 4117-EQBlank	G	11/29/6 / 1345		WW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, Metals Prep	009
~~AH TRIP BLANK~~ ~~Field~~ AH 4117-SW4	G	11/29/6 / 1610		WW	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, Volatiles by 8260B, Metals Prep	010

Relinquished by (signature)	Received by (signature)	Date	Time
[signature]	[signature]	11/30/06	9:45
Relinquished by (signature)	Received by (signature)	Date	Time
Relinquished by (signature	Received by (signature)	Date	Time

For Lab Use Only:
Temperature at receipt:
☐ 4±2 C
☑ Temp 3.0 C