

**This document was
scanned
as it was received –**

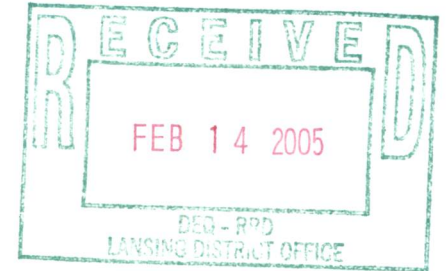
Illegible/difficult to view pages/tables/figures

**Duplicate pages, out of order pages/missing
pages**



Weston Solutions, Inc.
Suite 500
750 East Bunker Court
Vernon Hills, IL 60061-1450
847-918-4000 • Fax 847-918-4055
www.westonsolutions.com

8 February 2005



Mr. James Innes
Michigan Department of Environmental Quality-RRD
P.O. Box 30242
Lansing, MI 48909

Work Order No.: 01138.079.010

Re: Fifth Annual Groundwater Sampling and Methane Monitoring Report
And Results of Additional Sampling to Determine Presence of Vinyl Chloride
Linden Road Landfill Site
Flint Township, Michigan

Dear Mr. Innes:

Weston Solutions, Inc. (WESTON®), on behalf of General Motors Corporation (GM), has completed the fifth and final annual groundwater sampling and methane monitoring activities at the Linden Road Landfill site located in Flint Township, Michigan. The groundwater sampling was performed to evaluate the groundwater quality after the placement of the soil cover system in Parcel # 1, as required by the Operation and Maintenance (O&M) Plan for the Linden Road Landfill site dated April 1999. The baseline groundwater sampling and the initial methane monitoring activities were completed in October 1999 and the findings were documented in a report dated 20 December 1999 submitted to the Michigan Department of Environmental Quality (MDEQ). The results of the subsequent annual groundwater sampling events were documented in reports to MDEQ dated 9 January 2001, 11 January 2002, 5 December 2002, and 21 January 2004.

The following report presents the results of the fifth annual groundwater sampling and methane monitoring activities as well as the follow-up sampling of two newly installed monitoring wells (MW-14S and MW-15S) for volatile organic compound (VOC) analysis.

FIFTH ANNUAL GROUNDWATER SAMPLING

WESTON personnel conducted groundwater sampling on 2 December 2004. The groundwater samples were collected from ten shallow groundwater-monitoring wells on site (MW-01S, MW-03S, MW-05S, MW-06S, MW-10S, MW-11S, MW-12S, MW-13S, MW-14S and MW-15S). PZ-01 and MW-07S were found to be dry; therefore no sample was collected from these locations.

The locations of groundwater-monitoring wells are presented in Figure 1. A single groundwater sample was collected from each of the ten shallow groundwater monitoring wells. A field duplicate sample was also collected from monitoring well MW-05S for quality assurance/quality





Mr. James Innes
Michigan Department of Environmental Quality-RRD

-2-

8 February 2005

control (QA/QC) purposes. Sampling and shipping procedures were consistent with those established in the sampling plan for the site. Temperature, conductivity, and pH measurements were recorded during sampling. A minimum of three times the volume of water present in each well were purged prior to sampling.

The laboratory analysis was performed by Merit Laboratories of East Lansing, Michigan. All samples (except those from MW-14S and MW-15S) were analyzed for VOCs, semivolatile organic compounds (SVOCs), "Michigan Ten Metals," and polychlorinated biphenyls (PCBs). The samples from MW-14S and MW-15S were analyzed for VOCs only. A WESTON chemist validated the analytical data in accordance with United States Environmental Protection Agency (U.S. EPA) data validation procedures.

Table 1 presents a summary of detected constituents and their respective concentrations for each sample collected during the fifth annual sampling event as well as those from the previous sampling events. Table 1 also compares the concentrations of the detected constituents in the groundwater samples to the MDEQ Generic Drinking Water Criteria for residential and industrial/commercial categories. A copy of the complete laboratory report, including laboratory QA/QC data and chain-of-custody documentation for the latest sampling round, is presented in Attachment A. Field notes are presented in Attachment B.

Among the VOCs detected during the fifth annual sampling event, trichloroethene (TCE) and vinyl chloride were detected at levels exceeding their respective MDEQ Generic Drinking Water Criteria. Both of these constituents were detected at concentrations above drinking water criteria in monitoring well MW-01S. TCE exceeded drinking water criteria in MW-05S. It should be noted that both the monitoring wells MW-01S and MW-05S are located along the western property boundary and in the up-gradient direction to the site with respect to groundwater flow direction. Presence of VOCs in these wells has been documented in past sampling events and the VOCs are believed to be migrating from the adjacent property to the west.

Vinyl chloride was found to exceed its drinking water criteria in MW-03S and MW-14S at 0.005 mg/L and 0.003 mg/L, respectively. MW-03S is located in the southeastern corner of the property in the vicinity of the former oil disposal area and MW-14S is located approximately 100 feet northeast of MW-03S. Vinyl chloride was not detected in MW-15S, which is located downgradient of MW-14S (southeast) and east of MW-03S (It should be noted that MW14S and MW-15S were installed recently to monitor vinyl chloride in the vicinity of well MW-3S, and not part of the annual sampling).

Trace concentrations of arsenic, barium, copper, chromium, and zinc were detected in several samples (see Table 1). However, none of the detected metal concentrations exceeded MDEQ Generic Drinking Water Criteria.



Mr. James Innes
Michigan Department of Environmental Quality-RRD

-3-

8 February 2005

METHANE MONITORING

During this sampling event, WESTON screened the methane monitoring wells (M-1, M-2, M-3, M-4) shown in Figure 1 for methane gas. Methane screening was conducted using a Landfill gas analyzer (Lantec GEM 500). Screening results indicated that well M-1 registered a methane reading of 7.4 %; M-2 registered a reading of 0 %; M-3 registered a reading of 1.1 %; and M-4 registered a reading of 1.8 %. LEL readings were 0% in all four wells.

VINYL CHLORIDE CONCENTRATION IN WELLS MW-14S AND MW 15-S

Since January 2002, vinyl chloride has been reported in monitoring well MW-03S at concentrations exceeding its MDEQ Generic Drinking Water Criteria. Based on this observation, MDEQ requested further testing (letter dated 18 December 2002) to evaluate the presence and extent of vinyl chloride in shallow groundwater downgradient of MW-03S. In June 2003, field investigation activities consisting of advancing a series of Geoprobe boreholes, logging stratigraphy, and collecting groundwater samples was conducted. The results of this investigation were documented in a letter report to MDEQ dated 20 August 2003 and indicated the presence of vinyl chloride in one shallow groundwater sample from a location south of MW-03S at a level exceeding MDEQ Generic Drinking Water Criteria.

Additional field investigation activities were necessary because the delineation of southern and eastern extent of contamination was not completed during the first investigation. The additional investigation took place in November and December 2003 and included advancing five additional borings for the purpose of logging stratigraphy and collecting groundwater samples. The activities and results of this investigation were detailed in a letter report to MDEQ titled "Fourth Annual Groundwater Sampling and Methane Monitoring Report Including Additional Investigations", dated 21 January 2004.

Based on the results of November/December 2003 vinyl chloride investigation, WESTON installed two additional monitoring wells, MW-14S and MW-15S in July 2004 and collected samples for laboratory analysis. The details of the above activities were included in a 22 September 2004 letter report to MDEQ.

As part of the December 2004 sampling event, groundwater samples were collected from wells MW-14S and MW-15S. Vinyl chloride was detected at a concentration of 0.003 mg/L. No other VOCs were detected in MW-14S. No VOCs were detected in MW-15S.

As indicated in Weston's letter to MDEQ dated February 27, 2004, Weston will continue to monitor the concentrations of vinyl chloride in wells MW-14S and MW-15S for at least one more quarter before considering further course of action related to this issue.



Mr. James Innes
Michigan Department of Environmental Quality-RRD

-4-

8 February 2005

If you have any questions or require additional information, please call me at (847) 918-4018.

Very truly yours,
WESTON SOLUTIONS, INC.

A handwritten signature in black ink, appearing to read "S. Babusukumar".

S. Babusukumar, P.G.
Project Manager

SB\tg

cc: R. Metcalf, GM

Table 1

Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria
Groundwater Sample Analytical Results 1999 to Date
Linden Road Site

Sample Location	MW-01S	MW-01S	MW-01S DP	MW-01S	MW-01S	MW-01S DP	MW-01S	MW-01S	MDEQ Generic Drinking Water Criteria	
	Oct-99	Oct-00	Oct-00	Oct-01	Oct-02	Oct-02	Nov-03	Dec-04	Residential	Industrial/ Commercial
VOCs (mg/L)										
Benzene	0.002	---	---	---	0.001	0.001	---	---	0.005	0.005
Trichloroethene	0.087	0.06	0.07	0.08	0.066	0.071	0.058	0.01	0.005	0.005
1,1-Dichloroethane	---	---	---	---	---	---	---	---	0.88	2.5
cis-1,2-Dichloroethene	0.14	0.25	0.28	0.17	0.127	0.121	0.166	0.061	0.07	0.07
1,2-Dichloropropane	---	---	---	---	---	---	---	---	0.005	0.005
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	0.1	0.1
Toluene	---	---	---	---	---	---	---	---	0.79	0.79
Vinyl chloride	0.054	---	---	0.02	0.116	0.107	0.051	0.011	0.002	0.002
1,3,5-Trimethylbenzene	---	0.02	---	---	---	---	---	---	1	2.9
SVOCs (mg/L)										
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	0.006	0.006
Bis(2-chloroisopropyl)ether	0.07	0.02	0.02	---	0.02	0.02	0.01	---	---	---
Total Metals (mg/L)										
Arsenic	---	---	---	0.001	0.002	0.002	0.003	0.002	0.05	0.05
Barium	0.14	0.08	0.08	0.08	0.1	0.1	0.08	0.175	2	2
Cadmium	---	---	---	---	---	---	---	---	0.005	0.005
Copper	0.01	---	---	---	---	---	---	---	1	1
Chromium	---	---	---	---	---	---	---	0.011	0.1	0.1
Lead	---	---	---	---	---	---	---	---	0.004	0.004
Zinc	0.01	---	---	---	---	---	0.008	---	2.4	2.4

Notes:

- Compound not detected above laboratory detection limit; or no criteria available.
- na Compound not analyzed
- Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria
- DP Field quality control duplicate sample

Table 1 (Continued)

Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria
Groundwater Sample Analytical Results 1999 to Date
Linden Road Site

Sample Location	MW-03S	MW-03S	MW-03S	MW-03S	MW-03S DP	MW-03S	MW-03S DP	MW-03S	MW-03S	MW-03S	MDEQ Generic Drinking Water Criteria	
	Oct-99	Oct-00	Oct-01	Feb-02	Feb-02	Jun-02	Jun-02	Oct-02	Nov-03	Dec-04	Residential	Industrial/ Commercial
VOCs (mg/L)												
Benzene	---	---	---	---	---	---	---	---	---	---	0.005	0.005
Trichloroethene	0.001	---	---	---	---	---	---	---	---	---	0.005	0.005
1,1-Dichloroethane	0.006	0.017	0.021	0.011	0.012	0.014	0.015	0.012	0.005	0.005	0.88	2.5
cis-1,2-Dichloroethene	0.015	0.035	0.035	0.016	0.016	0.021	0.024	0.021	0.005	0.005	0.07	0.07
1,2-Dichloropropane	---	0.001	0.002	---	---	0.001	0.001	---	---	---	0.005	0.005
trans-1,2-Dichloroethene	0.001	0.002	0.002	---	---	0.001	0.001	0.001	---	---	0.1	0.1
Toluene	---	---	---	---	---	---	---	---	---	---	0.79	0.79
Vinyl chloride	---	---	0.023	0.013	0.014	0.023	0.024	0.019	0.005	0.005	0.002	0.002
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---	1	2.9
SVOCs (mg/L)												
Bis(2-ethylhexyl)phthalate	---	---	---	na	na	na	na	---	---	---	0.006	0.006
Bis(2-chloroisopropyl)ether	---	---	---	na	na	na	na	---	---	---	---	---
Total Metals (mg/L)												
Arsenic	0.009	0.007	0.006	na	na	na	na	0.009	0.004	0.002	0.05	0.05
Barium	0.18	0.15	0.14	na	na	na	na	0.16	0.16	0.126	2	2
Cadmium	---	---	---	na	na	na	na	---	---	---	0.005	0.005
Copper	---	---	---	na	na	na	na	---	---	---	1	1
Chromium	0.03	---	---	na	na	na	na	0.005	---	0.009	0.1	0.1
Lead	---	---	---	na	na	na	na	---	---	---	0.004	0.004
Zinc	0.01	---	0.01	na	na	na	na	0.006	0.011	---	2.4	2.4

Notes:

- Compound not detected above laboratory detection limit; or no criteria available.
- na Compound not analyzed
- Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria
- DP Field quality control duplicate sample

Table 1 (Continued)

Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria
Groundwater Sample Analytical Results 1999 to Date
Linden Road Site

Sample Location	MW-05S	MW-05S	MW-05S	MW-05S DP	MW-05S	MW-05S	MW-05S DP	MW-05S	MW-05S DP	MDEQ Generic Drinking Water Criteria	
	Oct-99	Oct-00	Oct-01	Oct-01	Oct-02	Nov-03	Nov-03	Dec-04	Dec-04	Residential	Industrial/ Commercial
VOCs (mg/L)											
Benzene	---	---	---	---	---	---	---	---	---	0.005	0.005
Trichloroethene	---	1.16	0.36	0.38	0.28	2.52	2.8	5.4	5.3	0.005	0.005
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	0.88	2.5
cis-1,2-Dichloroethene	---	0.09	0.09	0.09	0.06	0.04	0.04	---	---	0.07	0.07
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	0.005	0.005
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	0.1	0.1
Toluene	---	---	---	---	---	---	---	---	---	0.79	0.79
Vinyl chloride	---	---	0.02	0.03	0.06	---	---	---	---	0.002	0.002
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	1	2.9
SVOCs (mg/L)											
Bis(2-ethylhexyl)phthalate	0.03	---	---	---	---	---	---	---	---	0.006	0.006
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---	---
Total Metals (mg/L)											
Arsenic	---	---	---	---	---	---	---	---	---	0.05	0.05
Barium	0.011	0.14	0.16	0.16	0.16	0.11	0.11	0.171	0.169	2	2
Cadmium	---	---	---	---	---	---	---	---	---	0.005	0.005
Copper	---	---	---	---	---	---	---	---	---	1	1
Chromium	---	---	---	---	---	---	---	0.009	0.011	0.1	0.1
Lead	---	---	---	---	---	---	---	---	---	0.004	0.004
Zinc	0.03	---	---	---	---	---	---	---	---	2.4	2.4

Notes:

- Compound not detected above laboratory detection limit; or no criteria available.
- na Compound not analyzed
- Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria
- DP Field quality control duplicate sample

Table 1 (Continued)

Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria
Groundwater Sample Analytical Results 1999 to Date
Linden Road Site

Sample Location	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MDEQ Generic Drinking Water Criteria	
Sample Date	Oct-99	Oct-00	Oct-01	Oct-02	Nov-03	Dec-04	Oct-99	Oct-00	Oct-01	Oct-02	Nov-03	Dec-04	Residential	Industrial/ Commercial
VOCs (mg/L)														
Benzene	---	---	---	---	---	---	---	---	---	---	dry	dry	0.005	0.005
Trichloroethene	---	---	---	---	---	---	---	---	---	---	dry	dry	0.005	0.005
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---	dry	dry	0.88	2.5
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---	dry	dry	0.07	0.07
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---	dry	dry	0.005	0.005
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---	dry	dry	0.1	0.1
Toluene	---	---	---	---	---	---	---	---	---	---	dry	dry	0.79	0.79
Vinyl chloride	---	---	---	---	---	---	0.02	---	---	---	dry	dry	0.002	0.002
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---	dry	dry	1	2.9
SVOCs (mg/L)														
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	0.02	---	---	---	dry	dry	0.006	0.006
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---	dry	dry	---	---
Total Metals (mg/L)														
Arsenic	---	0.002	0.002	0.003	0.004	---	0.001	0.002	0.004	0.01	dry	dry	0.05	0.05
Barium	0.002	0.02	0.03	0.04	0.03	0.127	0.06	0.02	0.02	0.02	dry	dry	2	2
Cadmium	---	---	---	---	---	0.0018	---	---	---	---	dry	dry	0.005	0.005
Copper	---	---	---	---	---	0.013	---	---	---	---	dry	dry	1	1
Chromium	---	---	---	---	---	0.008	---	---	---	---	dry	dry	0.1	0.1
Lead	---	---	---	---	---	---	---	---	---	---	dry	dry	0.004	0.004
Zinc	0.06	0.02	0.02	0.029	0.034	1.04	0.02	---	0.01	---	dry	dry	2.4	2.4

Notes:

- Compound not detected above laboratory detection limit, or no criteria available.
- na Compound not analyzed
- Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria
- DP Field quality control duplicate sample

Table 1 (Continued)

Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria
Groundwater Sample Analytical Results 1999 to Date
Linden Road Site

Sample Location	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MDEQ Generic Drinking Water Criteria	
	Oct-99	Oct-00	Oct-01	Oct-02	Nov-03	Dec-04	Oct-99	Feb-00	Jun-00	Oct-00	Oct-01	Oct-02	Nov-03	Dec-04	Residential	Industrial/Commercial
VOCs (mg/L)																
Benzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005
Trichloroethene	0.002	0.001	0.002	0.001	0.001	---	---	---	---	---	---	---	---	---	0.005	0.005
1,1-Dichloroethane	0.004	0.039	0.007	0.003	0.024	0.022	---	---	---	---	---	---	---	---	0.88	2.5
cis-1,2-Dichloroethene	0.004	0.002	0.004	0.002	0.002	---	0.001	0.002	---	---	---	---	---	---	0.07	0.07
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.005	0.005
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.1	0.1
Toluene	---	---	---	---	---	---	0.002	---	---	---	---	---	---	---	0.79	0.79
Vinyl chloride	---	---	---	0.001	---	---	0.003	---	---	---	---	---	---	---	0.002	0.002
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2.9
SVOCs (mg/L)																
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	na	na	---	---	---	---	---	0.006	0.006
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	na	na	---	---	---	---	---	---	---
Total Metals (mg/L)																
Arsenic	---	0.007	0.022	0.02	0.048	0.021	---	na	na	0.017	0.019	0.027	0.031	0.003	0.05	0.05
Barium	0.06	0.02	0.03	0.06	0.07	0.098	0.16	na	na	0.39	0.34	0.41	0.41	0.27	2	2
Cadmium	---	---	0.0003	---	0.0003	0.0023	---	na	na	---	---	---	---	---	0.005	0.005
Copper	---	---	---	---	0.01	0.005	0.01	na	na	---	---	---	---	0.009	1	1
Chromium	0.01	---	---	---	---	0.014	0.02	na	na	---	---	0.005	0.006	0.012	0.1	0.1
Lead	---	---	---	---	---	---	---	na	na	---	---	---	---	---	0.004	0.004
Zinc	0.04	0.01	0.01	0.007	0.016	0.047	0.02	na	na	---	0.01	0.012	0.009	0.006	2.4	2.4

- Notes:
- Compound not detected above laboratory detection limit; or no criteria available.
 - na Compound not analyzed
 - Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria
 - DP Field quality control duplicate sample

Table 1 (Continued)

Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria
Groundwater Sample Analytical Results 1999 to Date
Linden Road Site

Sample Location	MW-12S	MW-12S DP	MW-12S	MW-12S	MW-12S	MW-12S	MW-12S	MDEQ Generic Drinking Water Criteria	
	Oct-99	Oct-99	Oct-00	Oct-01	Oct-02	Nov-03	Dec-04	Residential	Industrial/ Commercial
VOCs (mg/L)									
Benzene	---	---	---	---	---	---	---	0.005	0.005
Trichloroethene	---	---	---	---	---	---	---	0.005	0.005
1,1-Dichloroethane	---	---	---	---	---	---	---	0.88	2.5
cis-1,2-Dichloroethene	---	---	---	---	0.001	0.002	0.001	0.07	0.07
1,2-Dichloropropane	---	---	---	---	---	---	---	0.005	0.005
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	0.1	0.1
Toluene	---	---	---	---	---	---	---	0.79	0.79
Vinyl chloride	---	---	---	---	---	---	---	0.002	0.002
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	1	2.9
SVOCs (mg/L)									
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	0.006	0.006
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---
Total Metals (mg/L)									
Arsenic	---	---	---	0.007	0.01	0.009	---	0.05	0.05
Barium	0.13	0.08	0.15	0.13	0.16	0.12	0.033	2	2
Cadmium	---	---	---	---	---	---	0.0014	0.005	0.005
Copper	0.02	0.03	---	---	---	---	---	1	1
Chromium	---	---	---	---	---	---	0.006	0.1	0.1
Lead	---	---	---	---	---	---	---	0.004	0.004
Zinc	---	0.01	---	0.02	---	0.016	---	2.4	2.4

Notes:

- Compound not detected above laboratory detection limit; or no criteria available.
- na Compound not analyzed
- Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria
- DP Field quality control duplicate sample

Table 1 (Continued)

Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria
Groundwater Sample Analytical Results 1999 to Date
Linden Road Site

Sample Location	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-13S	MW-14S	MW-15S	MDEQ Generic Drinking Water Criteria	
	Oct-99	Oct-00	Oct-01	Oct-02	Nov-03	Dec-04	Dec-04	Dec-04	Residential	Industrial/ Commercial
VOCs (mg/L)										
Benzene	---	---	---	---	---	---	---	---	0.005	0.005
Trichloroethene	0.001	0.001	---	---	---	---	0.001	---	0.005	0.005
1,1-Dichloroethane	---	---	---	---	---	---	---	---	0.88	2.5
cis-1,2-Dichloroethene	---	---	---	---	---	---	0.026	---	0.07	0.07
1,2-Dichloropropane	---	---	---	---	---	---	---	---	0.005	0.005
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	0.1	0.1
Toluene	---	---	0.001	---	---	---	---	---	0.79	0.79
Vinyl chloride	---	---	---	---	---	---	0.003	---	0.002	0.002
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	1	2.9
SVOCs (mg/L)										
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	NA	NA	0.006	0.006
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	NA	NA	---	---
Total Metals (mg/L)										
Arsenic	---	---	0.001	---	---	---	NA	NA	0.05	0.05
Barium	0.15	0.06	0.1	0.14	0.09	0.037	NA	NA	2	2
Cadmium	---	---	---	---	---	---	NA	NA	0.005	0.005
Copper	---	---	---	0.01	---	---	NA	NA	1	1
Chromium	0.01	---	---	---	---	---	NA	NA	0.1	0.1
Lead	0.004	---	---	---	---	---	NA	NA	0.004	0.004
Zinc	0.02	---	0.09	---	---	---	NA	NA	2.4	2.4

Notes:

- Compound not detected above laboratory detection limit; or no criteria available.
- na Compound not analyzed
- Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria
- DP Field quality control duplicate sample

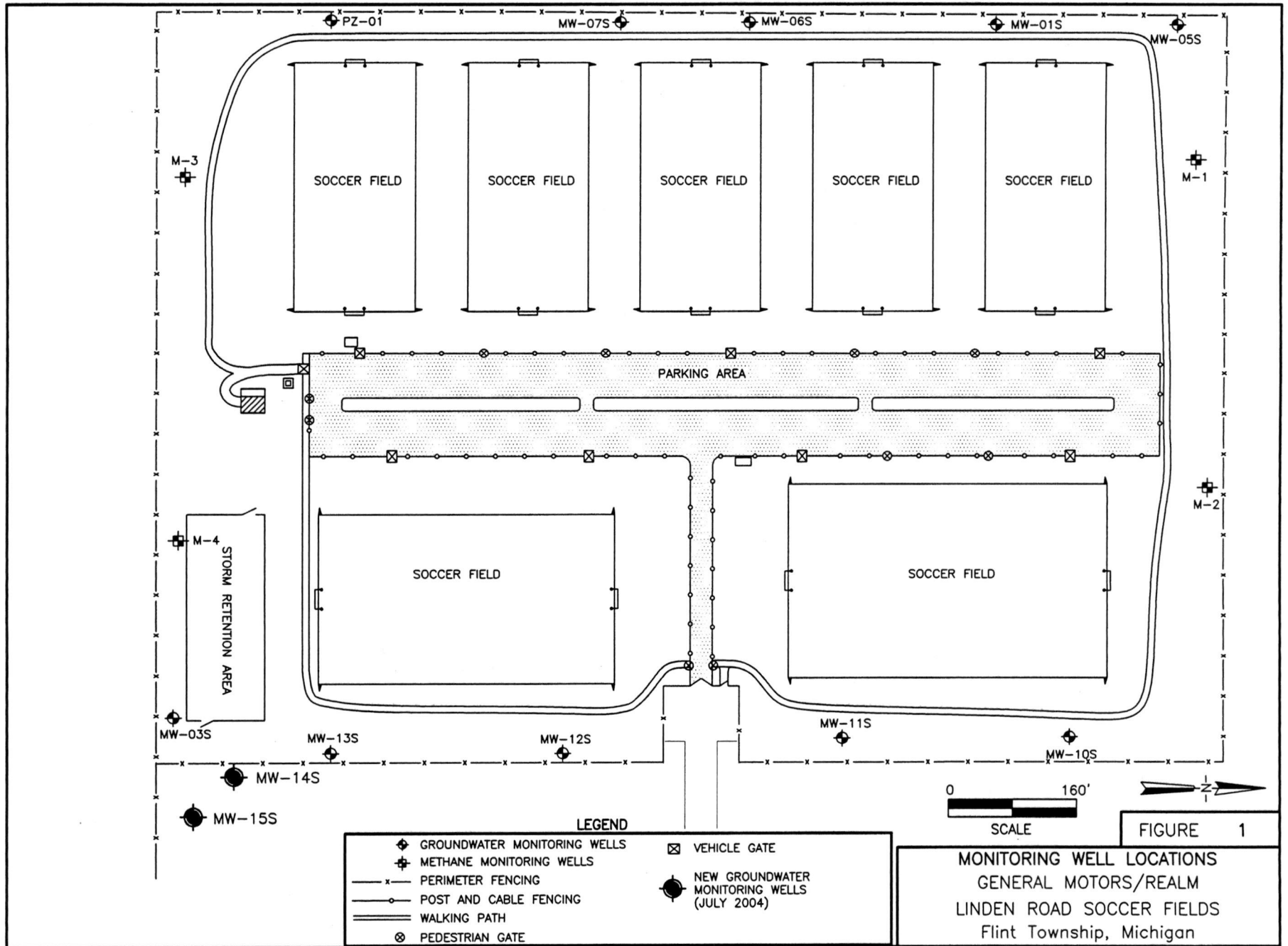


FIGURE 1

MONITORING WELL LOCATIONS
 GENERAL MOTORS/REALM
 LINDEN ROAD SOCCER FIELDS
 Flint Township, Michigan

LEGEND	
◆	GROUNDWATER MONITORING WELLS
⊕	METHANE MONITORING WELLS
—x—	PERIMETER FENCING
—○—	POST AND CABLE FENCING
==	WALKING PATH
⊗	PEDESTRIAN GATE
⊗	VEHICLE GATE
●	NEW GROUNDWATER MONITORING WELLS (JULY 2004)

APPENDIX A
LABORATORY ANALYTICAL DATA

**GM
Linden Road
20045**

General Comment:

All samples were extracted/digested and analyzed within the required holding times.

Volatile Organics:

Lab ID (20045)	Sample ID	Sample Date	Analysis Date
01	MW-01S	12/2/04	12/9/04
02	MW-03S	12/2/04	12/9/04
03	MW-05S	12/2/04	12/10/04
04	MW-05S Dup	12/2/04	12/10/04
05	MW-06S	12/2/04	12/10/04
06	MW-10S	12/2/04	12/10/04
07	MW-11S	12/2/04	12/9/04
08	MW-12S	12/2/04	12/9/04
09	MW-13S	12/2/04	12/9/04
10	MW-14S	12/2/04	12/9/04
11	MW-15S	12/2/04	12/9/04
12	Trip Blank	12/2/04	12/10/04

1. Method Blank:

The method blank was free of contamination.

2. Surrogate Recovery

Sample 4 had two surrogates outside control limits. Positive results in sample 4 are flagged J and non-detects as UJ. All remaining surrogate recoveries associated with this sample set were within required limits.

3. Matrix Spike/Matrix Spike Duplicate

Sample 1 was used as the MS. All MS recoveries were within laboratory required control limits. The MSD for trichloroethene (121.2) was slightly high outside control limits. Based on acceptable MS recoveries, RPD, and LCS recoveries, no qualifications are required.

4. Instrument Performance Check

All instrument performance check results are acceptable.

5. Internal Standards

All internal standard recoveries were within the control limits (50 to 200).

6. Calibration Check Compounds

The calibration check compounds indicated acceptable results.

7. Laboratory Control Sample

All LCS recoveries were within required control limits.

8. Trip Blank

Sample 12 was a trip blank. The blank was free of contamination.

9. Field Duplicate

Samples 3 and 4 are field duplicates. Results show good overall correlation.

Semivolatile Organics:

Lab ID (20045)	Sample ID	Sample Date	Analysis Date
01	MW-01S	12/2/04	12/20/04
02	MW-03S	12/2/04	12/20/04
03	MW-05S	12/2/04	12/21/04
04	MW-05S Dup	12/2/04	12/21/04
05	MW-06S	12/2/04	12/21/04
06	MW-10S	12/2/04	12/21/04
07	MW-11S	12/2/04	12/21/04
08	MW-12S	12/2/04	12/21/04
09	MW-13S	12/2/04	12/21/04

1. Method Blank:

The method blank was free of contamination.

2. Surrogate Recovery

All surrogate recoveries associated with this sample set were within required limits.

3. Matrix Spike/Matrix Spike Duplicate

No matrix spike information was associated with these samples or sample runs.

4. Field Duplicate

Samples 3 and 4 are field duplicates. Results show good overall correlation.

PCBs:

Lab ID (20045)	Sample ID	Sample Date	Analysis Date
01	MW-01S	12/2/04	12/7/04
02	MW-03S	12/2/04	12/7/04
03	MW-05S	12/2/04	12/7/04
04	MW-05S Dup	12/2/04	12/7/04
05	MW-06S	12/2/04	12/7/04
06	MW-10S	12/2/04	12/7/04
07	MW-11S	12/2/04	12/7/04
08	MW-12S	12/2/04	12/7/04
09	MW-13S	12/2/04	12/7/04

1. Method Blank:

The method blank was free of contamination.

2. Surrogate Recovery

The following samples had surrogate recoveries high outside control limits: sample 2 and 3. Positive results in these samples are flagged J and non-detects as UJ. All remaining surrogate recoveries associated with this sample set were within required limits.

3. Matrix Spike/Matrix Spike Duplicate

A matrix spike from this sample set was not analyzed.

4. Laboratory Control Sample

All LCS recoveries were within required control limits.

5. Field Duplicate

Samples 3 and 4 are field duplicates. Results show good overall correlation.

Metals:

Lab ID (20045)	Sample ID	Sample Date	Analysis Date
01	MW-01S	12/2/04	12/7, 12/10/04
02	MW-03S	12/2/04	12/7, 12/10/04
03	MW-05S	12/2/04	12/7, 12/10/04
04	MW-05S Dup	12/2/04	12/7, 12/10/04
05	MW-06S	12/2/04	12/7, 12/10/04
06	MW-10S	12/2/04	12/7, 12/10/04
07	MW-11S	12/2/04	12/7, 12/10/04
08	MW-12S	12/2/04	12/7, 12/10/04
09	MW-13S	12/2/04	12/7, 12/10/04

1. Matrix Spike

Matrix spike analysis was performed on sample 10 for all metals except mercury. All MS/MSD and RPD recoveries were within required control limits. Matrix spike analysis was performed on sample 9 for mercury. All MS/MSD and RPD mercury recoveries were acceptable.

2. Laboratory Control Sample

All metals and mercury LCS recoveries were within required control limits.

3. Blanks

All ICB, CCB and LRB blanks for mercury for were free of contamination.

4. Field Duplicate

Samples 3 and 4 were identified as field duplicates. The results show good overall correlation.

Data Reviewed by: T. Balla  Date: 1/12/05



Analytical Laboratory Report

Report ID: S20045.01(01)
Generated on 12/23/2004

Report to _____
Attention: Mr. Babusukumar
Weston Solutions, Inc.
501 Jolly Rd. Suite 100
Kemos, MI 48864

Report produced by _____
Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: 517-381-5920 FAX: 517-381-5921

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S20045.01-S20045.12
Project: GM-Linden Rd.
Submitted Date/Time: 12/03/2004 09:30
Sampled by: Kirk Lapham
P.O. #:

Report Notes

- Results relate only to items tested.
- Methods may be modified for improved performance.
- Results reported on a dry weight basis where applicable.
- "Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.
- Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Violetta F. Murshak

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Lab Sample ID: S20045.01
 Sample Tag: MW-01S
 Collected Date/Time: 12/02/2004 16:20
 Matrix: Groundwater
 DOC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 1 L Amber	None	Yes	4	3
40 ml Glass	HCL	Yes	4	3
125ml Plastic	HNO3	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
NA Extraction	Completed			3510C	12/08/04 18:32	PL		
Extraction, PCB	Completed			3510C	12/06/04 12:54	TAS		
Mercury Digestion	Completed			7470A	12/07/04 11:30	JRT		
Metal Digestion	Completed			3015A	12/09/04 09:15	MSH		
Metals								
Arsenic	0.002	mg/L	0.002	200.8	12/10/04 16:13	PER	7440-38-2	
Barium	0.175	mg/L	0.005	200.8	12/10/04 16:13	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/10/04 16:13	PER	7440-43-9	
Chromium	0.011	mg/L	0.005	200.8	12/10/04 16:13	PER	7440-47-3	
Copper	Not detected	mg/L	0.005	200.8	12/10/04 16:13	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/10/04 16:13	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/07/04 17:35	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/10/04 16:13	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	12/10/04 16:13	PER	7440-22-4	
Zinc	Not detected	mg/L	0.005	200.8	12/10/04 16:13	PER	7440-66-6	
Organics								
PCB								
PCB-1016	Not detected	ug/L	0.1	608	12/07/04 14:56	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	12/07/04 14:56	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	12/07/04 14:56	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	12/07/04 14:56	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	12/07/04 14:56	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	12/07/04 14:56	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	12/07/04 14:56	JANB	11096-82-5	
PCB, Total	Not detected	ug/L		608	12/07/04 14:56	JANB	1336-36-3	
Volatile Organics								
Benzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	74-87-3	



Analytical Laboratory Report

Lab Sample ID: S20045.01 (continued)

Sample Tag: MW-01S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	75-35-4	
trans-1,2-Dichloroethene	61	ug/L	1	8260B	12/09/04 17:58	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	78-87-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	98-82-8	
Isopropyltoluene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	99-87-6	
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	91-20-3	
Propylbenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	79-00-5	
1,1,2-Trichloroethene	10	ug/L	1	8260B	12/09/04 17:58	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	108-67-8	
Vinyl chloride	11	ug/L	1	8260B	12/09/04 17:58	JGH	75-01-4	
Xylene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	12/09/04 17:58	JGH	106-42-3	
Acetone	Not detected	ug/L	30	8260B	12/09/04 17:58	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	12/09/04 17:58	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	12/09/04 17:58	JGH	591-78-6	
Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/09/04 17:58	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	764-41-0	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	75-71-8	



Analytical Laboratory Report

Lab Sample ID: S20045.01 (continued)

Sample Tag: MWV-01S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Diethyl ether	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/09/04 17:58	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/09/04 17:58	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/09/04 17:58	JGH	75-69-4	
GC/MS Semi-Volatile Organics								
Benaphthene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	83-32-9	
Benaphthylene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	208-96-8	
Anthracene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	56-55-3	
Benzo(b)fluoranthene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	191-24-2	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	50-32-8	
Bis(2-Chloroethoxy)methane	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	111-91-1	
Bis(2-Chloroethyl)ether	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	111-44-4	
Bis(2-Chloroisopropyl)ether	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	108-60-1	
Bis(2-Ethylhexyl)phthalate	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	117-81-7	
4-Bromophenyl phenyl ether	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	101-55-3	
Butyl benzyl phthalate	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	85-68-7	
2-Chloroaniline	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	106-47-8	
2-Chloronaphthalene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	91-58-7	
4-Chloro-3-methylphenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	59-50-7	
2-Chlorophenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	7005-72-3	
Chrysene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	218-01-9	
m-Cresol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	106-44-5	
p-Cresol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	95-48-7	
Dibenzo(ah)anthracene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	53-70-3	
2-Benzofuran	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	132-64-9	
n-Butyl phthalate	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	84-74-2	
1,2-Dichlorobenzene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	106-46-7	
1,3'-Dichlorobenzidine	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	91-94-1	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	120-83-2	
Diethyl phthalate	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	84-66-2	
1,4-Dimethylphenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	105-67-9	
Dimethyl phthalate	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	131-11-3	
1,6-Dinitro-2-methylphenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	534-52-1	
1,4-Dinitrophenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	606-20-2	
2,2-Diphenylhydrazine	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	122-66-7	
n-Octyl phthalate	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	117-84-0	
Fluoranthene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	206-44-0	
Fluorene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	118-74-1	



Analytical Laboratory Report

Sample ID: S20045.01 (continued)

Sample Tag: MW-01S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Hexachlorobutadiene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	67-72-1	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	193-39-5	
Dibenzophorone	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	91-57-6	
1-Naphthalene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	91-20-3	
1-Nitroaniline	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	88-74-4	
2-Nitroaniline	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	100-01-6	
1-Tolubenzene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	98-95-3	
1-Nitrophenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	88-75-5	
4-Nitrophenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	100-02-7	
N-Nitrosodiphenylamine	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	86-30-6	
N-Nitrosodi-n-propylamine	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	621-64-7	
Pentachlorophenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	85-01-8	
1-Phenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	108-95-2	
Pyrene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	129-00-0	
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	120-82-1	
2,4,5-Trichlorophenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	10	8270C	12/20/04 22:35	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S20045.02
 Sample Tag: MW-03S
 Collected Date/Time: 12/02/2004 15:10
 Matrix: Groundwater
 COC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 1 L Amber	None	Yes	4	3
40 ml Glass	HCL	Yes	4	3
125ml Plastic	HNO3	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	-----	--------	---------------	---------	-------	-------

Extraction / Prep.

NA Extraction	Completed			3510C	12/08/04 18:32	PL		
Extraction, PCB	Completed			3510C	12/06/04 12:54	TAS		
Mercury Digestion	Completed			7470A	12/07/04 11:30	JRT		
Metal Digestion	Completed			3015A	12/09/04 09:15	MSH		

Metals

Arsenic	0.002	mg/L	0.002	200.8	12/10/04 16:16	PER	7440-38-2	
Barium	0.126	mg/L	0.005	200.8	12/10/04 16:16	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/10/04 16:16	PER	7440-43-9	
Chromium	0.009	mg/L	0.005	200.8	12/10/04 16:16	PER	7440-47-3	
Copper	Not detected	mg/L	0.005	200.8	12/10/04 16:16	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/10/04 16:16	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/07/04 17:37	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/10/04 16:16	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	12/10/04 16:16	PER	7440-22-4	
Zinc	Not detected	mg/L	0.005	200.8	12/10/04 16:16	PER	7440-66-6	

Organics

PCB

PCB-1016	Not detected	ug/L	0.1	608	12/07/04 15:29	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	12/07/04 15:29	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	12/07/04 15:29	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	12/07/04 15:29	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	12/07/04 15:29	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	12/07/04 15:29	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	12/07/04 15:29	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	12/07/04 15:29	JANB	1336-36-3	

Volatile Organics

Benzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	74-87-3	

FB



Analytical Laboratory Report

Lab Sample ID: S20045.02 (continued)

Sample Tag: MW-03S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	106-46-7	
1,1-Dichloroethane	5	ug/L	1	8260B	12/09/04 18:32	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	107-06-2	
1,1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	75-35-4	
trans-1,2-Dichloroethene	5	ug/L	1	8260B	12/09/04 18:32	JGH	156-59-2	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	10061-02-6	
o-Ethylbenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	98-82-8	
Isopropyltoluene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	99-87-6	
ethylene chloride	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	103-65-1	
styrene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	127-18-4	
toluene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	71-55-6	
1,1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	79-00-5	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	79-01-6	
1,2,4-Trichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	108-67-8	
Vinyl chloride	5	ug/L	1	8260B	12/09/04 18:32	JGH	75-01-4	
Xylene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	12/09/04 18:32	JGH	106-42-3	
Acetone	Not detected	ug/L	30	8260B	12/09/04 18:32	JGH	67-64-1	
Butanone (MEK)	Not detected	ug/L	30	8260B	12/09/04 18:32	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	12/09/04 18:32	JGH	591-78-6	
Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/09/04 18:32	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	764-41-0	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	107-13-1	
Styrene	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	74-95-3	
Trichlorodifluoromethane	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	75-71-8	



Analytical Laboratory Report

Sample ID: S20045.02 (continued)

Sample Tag: MVV-03S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Methyl ether	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/09/04 18:32	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/09/04 18:32	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/09/04 18:32	JGH	75-69-4	
GC/MS Semi-Volatile Organics								
Benaphthene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	83-32-9	
Benaphthylene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	208-96-8	
Anthracene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	56-55-3	
Benzo(b)fluoranthene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	191-24-2	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	50-32-8	
Bis(2-Chloroethoxy)methane	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	111-91-1	
Bis(2-Chloroethyl)ether	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	111-44-4	
Bis(2-Chloroisopropyl)ether	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	108-60-1	
Bis(2-Ethylhexyl)phthalate	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	117-81-7	
4-Bromophenyl phenyl ether	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	101-55-3	
Butyl benzyl phthalate	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	85-68-7	
Chloroaniline	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	106-47-8	
Chloronaphthalene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	91-58-7	
4-Chloro-3-methylphenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	59-50-7	
Chlorophenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	95-57-8	
Chlorophenyl phenyl ether	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	7005-72-3	
Chrysene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	218-01-9	
m-Cresol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	106-44-5	
p-Cresol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	95-48-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	132-64-9	
n-Butyl phthalate	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	84-74-2	
1,2-Dichlorobenzene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	106-46-7	
3,3'-Dichlorobenzidine	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	91-94-1	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	120-83-2	
Diethyl phthalate	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	84-66-2	
1,4-Dimethylphenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	105-67-9	
1,3-Dimethyl phthalate	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	131-11-3	
2,4,6-Trinitro-2-methylphenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	534-52-1	
2,4-Dinitrophenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	606-20-2	
2,2-Diphenylhydrazine	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	122-66-7	
n-Octyl phthalate	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	117-84-0	
Fluoranthene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	206-44-0	
Fluorene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	118-74-1	



Analytical Laboratory Report

Lab Sample ID: S20045.02 (continued)

Sample Tag: MW-03S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Hexachlorobutadiene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	193-39-5	
Isochlorogenic acid	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	91-57-6	
1-Naphthalene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	91-20-3	
2-Nitroaniline	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	88-74-4	
3-Nitroaniline	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	100-01-6	
Nitrobenzene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	98-95-3	
2-Nitrophenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	88-75-5	
4-Nitrophenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	100-02-7	
N-Nitrosodiphenylamine	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	86-30-6	
N-Nitrosodi-n-propylamine	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	621-64-7	
Pentachlorophenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	85-01-8	
Phenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	108-95-2	
Pyrene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	129-00-0	
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	120-82-1	
2,4,5-Trichlorophenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	10	8270C	12/20/04 23:18	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S20045.03
 Sample Tag: MW-05S
 Collected Date/Time: 12/02/2004 15:00
 Matrix: Groundwater
 COC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 1 L Amber	None	Yes	4	3
40 ml Glass	HCL	Yes	4	3
125ml Plastic	HNO3	Yes	4	3

Analysis

Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
---------	-------	-----	--------	---------------	---------	-------	-------

Extraction / Prep.

NA Extraction	Completed		3510C	12/08/04 18:32	PL		
Extraction, PCB	Completed		3510C	12/06/04 12:54	TAS		
Mercury Digestion	Completed		7470A	12/07/04 11:30	JRT		
Metal Digestion	Completed		3015A	12/09/04 09:15	MSH		

Metals

Arsenic	Not detected	mg/L	0.002	200.8	12/10/04 16:20	PER	7440-38-2	
Barium	0.171	mg/L	0.005	200.8	12/10/04 16:20	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/10/04 16:20	PER	7440-43-9	
Chromium	0.009	mg/L	0.005	200.8	12/10/04 16:20	PER	7440-47-3	
Copper	Not detected	mg/L	0.005	200.8	12/10/04 16:20	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/10/04 16:20	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/07/04 17:39	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/10/04 16:20	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	12/10/04 16:20	PER	7440-22-4	
Zinc	Not detected	mg/L	0.005	200.8	12/10/04 16:20	PER	7440-66-6	

Organics

PCB	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
PCB-1016	Not detected	ug/L	0.1	608	12/07/04 15:46	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	12/07/04 15:46	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	12/07/04 15:46	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	12/07/04 15:46	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	12/07/04 15:46	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	12/07/04 15:46	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	12/07/04 15:46	JANB	11096-82-5	
PCB, Total	Not detected	ug/L	0.1	608	12/07/04 15:46	JANB	1336-36-3	

Volatile Organics

Benzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	71-43-2	Y
Bromodichloromethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	75-27-4	Y
Bromoform	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	75-25-2	Y
Bromomethane	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	74-83-9	Y
n-Butylbenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	104-51-8	Y
sec-Butylbenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	135-98-8	Y
tert-Butylbenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	98-06-6	Y
Carbon tetrachloride	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	56-23-5	Y
Chlorobenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	108-90-7	Y
Chloroethane	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	75-00-3	Y
Chloroform	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	67-66-3	Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Sample ID: S20045.03 (continued)

Sample Tag: MWV-05S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Chloromethane	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	74-87-3	Y
Bromochloromethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	124-48-1	Y
1,2-Dichlorobenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	95-50-1	Y
1,3-Dichlorobenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	106-46-7	Y
1,1-Dichloroethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	75-34-3	Y
1,2-Dichloroethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	107-06-2	Y
1,1-Dichloroethene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	75-35-4	Y
cis-1,2-Dichloroethene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	156-59-2	Y
trans-1,2-Dichloroethene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	156-60-5	Y
1,2-Dichloropropane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	78-87-5	Y
cis-1,3-Dichloropropene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	10061-01-5	Y
trans-1,3-Dichloropropene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	10061-02-6	Y
Ethylbenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	100-41-4	Y
Isopropylbenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	98-82-8	Y
Isopropyltoluene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	99-87-6	Y
Methylene chloride	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	75-09-2	Y
1,2,3-Trichlorobenzene	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	91-20-3	Y
1,3-Dipropylbenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	103-65-1	Y
Styrene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	100-42-5	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	79-34-5	Y
1,1,2,2-Tetrachloroethene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	127-18-4	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	108-88-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	71-55-6	Y
1,2-Trichloroethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	79-00-5	Y
1,1,2-Trichloroethene	5,400	ug/L	300	8260B	12/10/04 14:32	JGH	79-01-6	Y
1,2,4-Trimethylbenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	95-63-6	Y
1,3,5-Trimethylbenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	108-67-8	Y
Vinyl chloride	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	75-01-4	Y
1,2-Dichlorobenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	95-47-6	Y
1,3-Dichlorobenzene	Not detected	ug/L	500	8260B	12/10/04 14:32	JGH	106-42-3	Y
1,4-Dichlorobenzene	Not detected	ug/L	6,000	8260B	12/10/04 14:32	JGH	67-64-1	Y
2-Butanone (MEK)	Not detected	ug/L	6,000	8260B	12/10/04 14:32	JGH	78-93-3	Y
Carbon disulfide	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	75-15-0	Y
Hexanone	Not detected	ug/L	10,000	8260B	12/10/04 14:32	JGH	591-78-6	Y
Methyl-2-pentanone (MIBK)	Not detected	ug/L	10,000	8260B	12/10/04 14:32	JGH	108-10-1	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	1634-04-4	Y
1,1,1,2-Tetrachloroethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	630-20-6	Y
1,2,3-Trichlorobenzene	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	87-61-6	Y
1,2,3-Trichloropropane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	96-18-4	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	120-82-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	96-12-8	Y
1,2-Dibromoethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	106-93-4	Y
1,4-Dichloro-2-butene	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	764-41-0	Y
Methylnaphthalene	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	91-57-6	Y
Acrylonitrile	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	107-13-1	Y
Bromobenzene	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	108-86-1	Y
Bromochloromethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	74-97-5	Y

-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S20045.03 (continued)

Sample Tag: MW-05S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Dibromomethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	74-95-3	Y
Dichlorodifluoromethane	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	75-71-8	Y
Diethyl ether	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	60-29-7	Y
Dichloroethane	Not detected	ug/L	1,000	8260B	12/10/04 14:32	JGH	67-72-1	Y
Methyl iodide	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	74-88-4	Y
Tetrahydrofuran	Not detected	ug/L	30,000	8260B	12/10/04 14:32	JGH	109-99-9	Y
Trichlorofluoromethane	Not detected	ug/L	300	8260B	12/10/04 14:32	JGH	75-69-4	Y
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	208-96-8	
Anthracene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	56-55-3	
Benzo(b)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	191-24-2	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	50-32-8	
Bis(2-Chloroethoxy)methane	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	111-91-1	
Bis(2-Chloroethyl)ether	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	111-44-4	
Bis(2-Chloroisopropyl)ether	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	108-60-1	
Bis(2-Ethylhexyl)phthalate	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	117-81-7	
p-Bromophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	101-55-3	
n-Butyl benzyl phthalate	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	85-68-7	
4-Chloroaniline	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	106-47-8	
1-Chloronaphthalene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	91-58-7	
1-Chloro-3-methylphenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	59-50-7	
2-Chlorophenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	95-57-8	
1-Chlorophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	7005-72-3	
Chrysene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	218-01-9	
p,m-Cresol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	106-44-5	
o-Cresol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	95-48-7	
Dibenzo(ah)anthracene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	132-64-9	
di-n-Butyl phthalate	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	84-74-2	
1,2-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	106-46-7	
3,3'-Dichlorobenzidine	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	91-94-1	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	120-83-2	
Diethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	84-66-2	
2,4-Dimethylphenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	105-67-9	
Dimethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	131-11-3	
2,6-Dinitro-2-methylphenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	534-52-1	
2,4-Dinitrophenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	606-20-2	
1,2-Diphenylhydrazine	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	122-66-7	
di-n-Octyl phthalate	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	117-84-0	

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S20045.03 (continued)

Sample Tag: MW-05S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
fluoranthene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	206-44-0	
fluorene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	193-39-5	
Phosphorane	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	78-59-1	
1-Methylnaphthalene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	91-57-6	
Naphthalene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	91-20-3	
1-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	88-74-4	
2-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	100-01-6	
1-Nitrobenzene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	98-95-3	
2-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	88-75-5	
3-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	100-02-7	
N-Nitrosodiphenylamine	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	86-30-6	
N-Nitrosodi-n-propylamine	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	621-64-7	
1,2,4-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	85-01-8	
Phenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	108-95-2	
Pyrene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	129-00-0	
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	120-82-1	
2,4,5-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 00:01	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S20045.04
 Sample Tag: MW-05S Dup
 Collected Date/Time: 12/02/2004 15:00
 Matrix: Groundwater
 DOC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 1 L Amber	None	Yes	4	3
40 ml Glass	HCL	Yes	4	3
125ml Plastic	HNO3	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst CAS #	Flags
----------	---------	-------	-----	--------	---------------	---------------	-------

Extraction / Prep.

ANA Extraction	Completed			3510C	12/08/04 18:32	PL	
Extraction, PCB	Completed			3510C	12/06/04 12:54	TAS	
Mercury Digestion	Completed			7470A	12/07/04 11:30	JRT	
Metals Digestion	Completed			3015A	12/09/04 09:15	MSH	

Metals

Arsenic	Not detected	mg/L	0.002	200.8	12/10/04 16:23	PER 7440-38-2	
Barium	0.169	mg/L	0.005	200.8	12/10/04 16:23	PER 7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/10/04 16:23	PER 7440-43-9	
Chromium	0.011	mg/L	0.005	200.8	12/10/04 16:23	PER 7440-47-3	
Copper	Not detected	mg/L	0.005	200.8	12/10/04 16:23	PER 7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/10/04 16:23	PER 7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/07/04 17:41	JRT 7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/10/04 16:23	PER 7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	12/10/04 16:23	PER 7440-22-4	
Zinc	Not detected	mg/L	0.005	200.8	12/10/04 16:23	PER 7440-66-6	

Organics

PCB

CB-1016	Not detected	ug/L	0.1	608	12/07/04 16:02	JANB 12674-11-2	
CB-1221	Not detected	ug/L	0.1	608	12/07/04 16:02	JANB 11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	12/07/04 16:02	JANB 11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	12/07/04 16:02	JANB 53469-21-9	
CB-1248	Not detected	ug/L	0.1	608	12/07/04 16:02	JANB 12672-29-6	
CB-1254	Not detected	ug/L	0.1	608	12/07/04 16:02	JANB 11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	12/07/04 16:02	JANB 11096-82-5	
CB, Total	Not detected	ug/L		608	12/07/04 16:02	JANB 1336-36-3	

Volatile Organics

Benzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH 71-43-2	Y
Bromodichloromethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH 75-27-4	Y
Bromoform	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH 75-25-2	Y
Bromomethane	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH 74-83-9	Y
n-Butylbenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH 104-51-8	Y
sec-Butylbenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH 135-98-8	Y
tert-Butylbenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH 98-06-6	Y
Carbon tetrachloride	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH 56-23-5	Y
Chlorobenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH 108-90-7	Y
Chloroethane	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH 75-00-3	Y
Chloroform	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH 67-66-3	Y

Y-Elevated reporting limit due to high target concentration

TB



Analytical Laboratory Report

Lab Sample ID: S20045.04 (continued)

Sample Tag: MW-05S Dup

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Chloromethane	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	74-87-3	Y
Dibromochloromethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	124-48-1	Y
1,2-Dichlorobenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	95-50-1	Y
1,3-Dichlorobenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	106-46-7	Y
1,1-Dichloroethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	75-34-3	Y
1,2-Dichloroethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	107-06-2	Y
1,1-Dichloroethene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	75-35-4	Y
cis-1,2-Dichloroethene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	156-59-2	Y
trans-1,2-Dichloroethene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	156-60-5	Y
1,2-Dichloropropane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	78-87-5	Y
cis-1,3-Dichloropropene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	10061-01-5	Y
trans-1,3-Dichloropropene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	10061-02-6	Y
Ethylbenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	100-41-4	Y
Isopropylbenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	98-82-8	Y
p-Isopropyltoluene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	99-87-6	Y
Methylene chloride	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	75-09-2	Y
Naphthalene	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	91-20-3	Y
n-Propylbenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	103-65-1	Y
Styrene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	100-42-5	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	79-34-5	Y
Tetrachloroethene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	127-18-4	Y
Toluene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	108-88-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	71-55-6	Y
1,1,2-Trichloroethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	79-00-5	Y
1,1,2,2-Trichloroethene	5,300	ug/L	300	8260B	12/10/04 15:05	JGH	79-01-6	Y
1,2,4-Trimethylbenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	95-63-6	Y
1,3,5-Trimethylbenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	108-67-8	Y
Vinyl chloride	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	75-01-4	Y
o-Xylene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	95-47-6	Y
m-Xylene	Not detected	ug/L	500	8260B	12/10/04 15:05	JGH	106-42-3	Y
Acetone	Not detected	ug/L	6,000	8260B	12/10/04 15:05	JGH	67-64-1	Y
2-Butanone (MEK)	Not detected	ug/L	6,000	8260B	12/10/04 15:05	JGH	78-93-3	Y
Carbon disulfide	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	75-15-0	Y
n-Hexanone	Not detected	ug/L	10,000	8260B	12/10/04 15:05	JGH	591-78-6	Y
n-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10,000	8260B	12/10/04 15:05	JGH	108-10-1	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	1634-04-4	Y
1,1,1,2-Tetrachloroethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	630-20-6	Y
1,2,3-Trichlorobenzene	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	87-61-6	Y
1,2,3-Trichloropropane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	96-18-4	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	120-82-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	96-12-8	Y
1,2-Dibromoethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	106-93-4	Y
1,4-Dichloro-2-butene	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	764-41-0	Y
1-Methylnaphthalene	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	91-57-6	Y
Acrylonitrile	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	107-13-1	Y
Bromobenzene	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	108-86-1	Y
Bromochloromethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	74-97-5	Y

U5
 ↓
 J
 U5
 ↓

Y-Elevated reporting limit due to high target concentration

715



Analytical Laboratory Report

Lab Sample ID: S20045.04 (continued)
 Sample Tag: MWV-05S Dup

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Methyl bromomethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	74-95-3	Y
Methyl dichlorodifluoromethane	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	75-71-8	Y
Diethyl ether	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	60-29-7	Y
Methyl hexachloroethane	Not detected	ug/L	1,000	8260B	12/10/04 15:05	JGH	67-72-1	Y
Methyl iodide	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	74-88-4	Y
Tetrahydrofuran	Not detected	ug/L	30,000	8260B	12/10/04 15:05	JGH	109-99-9	Y
Trichlorofluoromethane	Not detected	ug/L	300	8260B	12/10/04 15:05	JGH	75-69-4	Y
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	208-96-8	
Anthracene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	56-55-3	
Benzo(b)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	191-24-2	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	50-32-8	
Bis(2-Chloroethoxy)methane	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	111-91-1	
Bis(2-Chloroethyl)ether	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	111-44-4	
Bis(2-Chloroisopropyl)ether	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	108-60-1	
Bis(2-Ethylhexyl)phthalate	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	117-81-7	
Bis(4-Bromophenyl) phenyl ether	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	101-55-3	
Butyl benzyl phthalate	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	85-68-7	
4-Chloroaniline	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	106-47-8	
1-Chloronaphthalene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	91-58-7	
2-Chloro-3-methylphenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	59-50-7	
2-Chlorophenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	95-57-8	
1-Chlorophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	7005-72-3	
Chrysene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	218-01-9	
p,m-Cresol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	106-44-5	
o-Cresol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	95-48-7	
1,2,3,4-Dibenz(a,h)anthracene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	132-64-9	
di-n-Butyl phthalate	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	84-74-2	
1,2-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	106-46-7	
1,3'-Dichlorobenzidine	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	91-94-1	
1,4-Dichlorophenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	120-83-2	
Diethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	84-66-2	
2,4-Dimethylphenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	105-67-9	
Dimethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	131-11-3	
2,4,6-Trinitro-2-methylphenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	534-52-1	
2,4-Dinitrophenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	606-20-2	
1,2-Diphenylhydrazine	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	122-66-7	
Di-n-Octyl phthalate	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	117-84-0	

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S20045.04 (continued)

Sample Tag: MWV-05S Dup

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
fluoranthene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	206-44-0	
fluorene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	193-39-5	
isophorone	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	78-59-1	
1-Methylnaphthalene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	91-57-6	
Naphthalene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	91-20-3	
1-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	88-74-4	
2-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	100-01-6	
Nitrobenzene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	98-95-3	
1-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	88-75-5	
2-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	100-02-7	
N-Nitrosodiphenylamine	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	86-30-6	
1-Nitrosodi-n-propylamine	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	621-64-7	
1,2,4-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	85-01-8	
Phenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	108-95-2	
Pyrene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	129-00-0	
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	120-82-1	
2,4,5-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 06:22	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S20045.05
 Sample Tag: MW-06S
 Collected Date/Time: 12/02/2004 17:05
 Matrix: Groundwater
 DOC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 1 L Amber	None	Yes	4	3
40 ml Glass	HCL	Yes	4	3
125ml Plastic	HNO3	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
ANA Extraction	Completed			3510C	12/08/04 18:32	PL		
Extraction, PCB	Completed			3510C	12/06/04 12:54	TAS		
Mercury Digestion	Completed			7470A	12/07/04 11:30	JRT		
Metal Digestion	Completed			3015A	12/09/04 09:15	MSH		

Metals

Arsenic	Not detected	mg/L	0.002	200.8	12/10/04 16:26	PER	7440-38-2	
Barium	0.127	mg/L	0.005	200.8	12/10/04 16:26	PER	7440-39-3	
Cadmium	0.0018	mg/L	0.0005	200.8	12/10/04 16:26	PER	7440-43-9	
Chromium	0.008	mg/L	0.005	200.8	12/10/04 16:26	PER	7440-47-3	
Copper	0.013	mg/L	0.005	200.8	12/10/04 16:26	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/10/04 16:26	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/07/04 17:43	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/10/04 16:26	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	12/10/04 16:26	PER	7440-22-4	
Zinc	1.04	mg/L	0.005	200.8	12/10/04 16:26	PER	7440-66-6	

Organics

PCB

CB-1016	Not detected	ug/L	0.1	608	12/07/04 16:19	JANB	12674-11-2	
CB-1221	Not detected	ug/L	0.1	608	12/07/04 16:19	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	12/07/04 16:19	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	12/07/04 16:19	JANB	53469-21-9	
CB-1248	Not detected	ug/L	0.1	608	12/07/04 16:19	JANB	12672-29-6	
CB-1254	Not detected	ug/L	0.1	608	12/07/04 16:19	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	12/07/04 16:19	JANB	11096-82-5	
CB, Total	Not detected	ug/L		608	12/07/04 16:19	JANB	1336-36-3	

Volatile Organics

Benzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	104-51-8	
m-Butylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	74-87-3	



Analytical Laboratory Report

Lab Sample ID: S20045.05 (continued)

Sample Tag: MW-06S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Dibromochloromethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	75-35-4	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	156-59-2	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	99-87-6	
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	79-00-5	
1,1,2-Trichloroethene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	75-01-4	
m-Xylene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	12/10/04 13:24	JGH	106-42-3	
Acetone	Not detected	ug/L	30	8260B	12/10/04 13:24	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	12/10/04 13:24	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	12/10/04 13:24	JGH	591-78-6	
2-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/10/04 13:24	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	764-41-0	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	107-13-1	
Toluene	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	75-71-8	



Analytical Laboratory Report

Lab Sample ID: S20045.05 (continued)

Sample Tag: MW-06S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Diethyl ether	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/10/04 13:24	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/10/04 13:24	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/10/04 13:24	JGH	75-69-4	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	208-96-8	
Anthracene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	56-55-3	
Benzo(b)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	191-24-2	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	50-32-8	
Bis(2-Chloroethoxy)methane	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	111-91-1	
Bis(2-Chloroethyl)ether	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	111-44-4	
Bis(2-Chloroisopropyl)ether	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	108-60-1	
Bis(2-Ethylhexyl)phthalate	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	117-81-7	
4-Bromophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	101-55-3	
Butyl benzyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	85-68-7	
1-Chloroaniline	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	106-47-8	
2-Chloronaphthalene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	91-58-7	
4-Chloro-3-methylphenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	59-50-7	
2-Chlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	95-57-8	
1-Chlorophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	7005-72-3	
Chrysene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	218-01-9	
o,m-Cresol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	106-44-5	
p-Cresol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	95-48-7	
Dibenzo(ah)anthracene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	132-64-9	
Di-n-Butyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	84-74-2	
1,2-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	106-46-7	
1,3'-Dichlorobenzidine	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	91-94-1	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	120-83-2	
Diethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	84-66-2	
2,4-Dimethylphenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	105-67-9	
Dimethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	131-11-3	
2,6-Dinitro-2-methylphenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	534-52-1	
2,4-Dinitrophenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	606-20-2	
1,2-Diphenylhydrazine	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	122-66-7	
Di-n-Octyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	117-84-0	
Fluoranthene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	206-44-0	
Fluorene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	118-74-1	



Analytical Laboratory Report

Lab Sample ID: S20045.05 (continued)

Sample Tag: MW-06S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Hexachlorobutadiene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	193-39-5	
Isochlorophenone	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	91-57-6	
Naphthalene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	91-20-3	
1-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	88-74-4	
3-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	100-01-6	
Nitrobenzene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	98-95-3	
2-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	88-75-5	
4-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	100-02-7	
N-Nitrosodiphenylamine	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	86-30-6	
N-Nitrosodi-n-propylamine	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	621-64-7	
Pentachlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	85-01-8	
Phenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	108-95-2	
Pyrene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	129-00-0	
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	120-82-1	
2,4,5-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:05	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S20045.06
 Sample Tag: MW-10S
 Collected Date/Time: 12/02/2004 14:00
 Matrix: Groundwater
 COC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 1 L Amber	None	Yes	4	3
40 ml Glass	HCL	Yes	4	3
125ml Plastic	HNO3	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
UNA Extraction	Completed			3510C	12/08/04 18:32	PL		
Extraction, PCB	Completed			3510C	12/06/04 12:54	TAS		
Mercury Digestion	Completed			7470A	12/07/04 11:30	JRT		
Metal Digestion	Completed			3015A	12/09/04 09:15	MSH		
Metals								
Arsenic	0.021	mg/L	0.002	200.8	12/10/04 16:30	PER	7440-38-2	
Barium	0.098	mg/L	0.005	200.8	12/10/04 16:30	PER	7440-39-3	
Cadmium	0.0023	mg/L	0.0005	200.8	12/10/04 16:30	PER	7440-43-9	
Chromium	0.014	mg/L	0.005	200.8	12/10/04 16:30	PER	7440-47-3	
Copper	0.005	mg/L	0.005	200.8	12/10/04 16:30	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/10/04 16:30	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/07/04 17:44	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/10/04 16:30	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	12/10/04 16:30	PER	7440-22-4	
Zinc	0.047	mg/L	0.005	200.8	12/10/04 16:30	PER	7440-66-6	
Organics								
PCB								
CB-1016	Not detected	ug/L	0.1	608	12/07/04 16:35	JANB	12674-11-2	
CB-1221	Not detected	ug/L	0.1	608	12/07/04 16:35	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	12/07/04 16:35	JANB	11141-16-5	
CB-1242	Not detected	ug/L	0.1	608	12/07/04 16:35	JANB	53469-21-9	
CB-1248	Not detected	ug/L	0.1	608	12/07/04 16:35	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	12/07/04 16:35	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	12/07/04 16:35	JANB	11096-82-5	
CB, Total	Not detected	ug/L		608	12/07/04 16:35	JANB	1336-36-3	
Volatile Organics								
Benzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	74-87-3	



Analytical Laboratory Report

Lab Sample ID: S20045.06 (continued)
 Sample Tag: MW-10S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Bromochloromethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	106-46-7	
1,1-Dichloroethane	22	ug/L	1	8260B	12/10/04 13:57	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	75-35-4	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	156-59-2	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	12/10/04 13:57	JGH	106-42-3	
Acetone	Not detected	ug/L	30	8260B	12/10/04 13:57	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	12/10/04 13:57	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	12/10/04 13:57	JGH	591-78-6	
tert-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/10/04 13:57	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	764-41-0	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	75-71-8	



Analytical Laboratory Report

Lab Sample ID: S20045.06 (continued)

Sample Tag: MW-10S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Methyl ether	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/10/04 13:57	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/10/04 13:57	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/10/04 13:57	JGH	75-69-4	
GC/MS Semi-Volatile Organics								
Benzenanthrene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	83-32-9	
Benzenanthylene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	208-96-8	
Anthracene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	56-55-3	
Benzo(b)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	191-24-2	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	50-32-8	
Bis(2-Chloroethoxy)methane	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	111-91-1	
Bis(2-Chloroethyl)ether	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	111-44-4	
Bis(2-Chloroisopropyl)ether	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	108-60-1	
Bis(2-Ethylhexyl)phthalate	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	117-81-7	
4-Bromophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	101-55-3	
Butyl benzyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	85-68-7	
Chloroaniline	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	106-47-8	
2-Chloronaphthalene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	91-58-7	
4-Chloro-3-methylphenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	59-50-7	
Chlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	7005-72-3	
Chrysene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	218-01-9	
m-Cresol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	106-44-5	
p-Cresol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	95-48-7	
Dibenzo(ah)anthracene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	53-70-3	
Indibenzofuran	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	132-64-9	
n-Butyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	84-74-2	
1,2-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	106-46-7	
2,3-Dichlorobenzidine	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	91-94-1	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	120-83-2	
Diethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	84-66-2	
1,4-Dimethylphenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	105-67-9	
Dimethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	131-11-3	
1,6-Dinitro-2-methylphenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	534-52-1	
4-Dinitrophenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	606-20-2	
2-Diphenylhydrazine	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	122-66-7	
n-Octyl phthalate	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	117-84-0	
Fluoranthene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	206-44-0	
Induorene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	118-74-1	



Analytical Laboratory Report

ab Sample ID: S20045.06 (continued)

Sample Tag: MW-10S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Hexachlorobutadiene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	193-39-5	
Isophorone	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	91-57-6	
1-Naphthalene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	91-20-3	
1-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	88-74-4	
3-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	100-01-6	
1-Nitrobenzene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	98-95-3	
2-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	88-75-5	
4-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	100-02-7	
1-Nitrosodiphenylamine	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	86-30-6	
1-Nitrosodi-n-propylamine	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	621-64-7	
Pentachlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	85-01-8	
Phenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	108-95-2	
Pyrene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	129-00-0	
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	120-82-1	
1,4,5-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	95-95-4	
1,4,6-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 07:48	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S20045.07
 Sample Tag: MW-11S
 Collected Date/Time: 12/02/2004 13:00
 Matrix: Groundwater
 COC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 1 L Amber	None	Yes	4	3
40 ml Glass	HCL	Yes	4	3
125ml Plastic	HNO3	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
NA Extraction	Completed			3510C	12/08/04 18:32	PL		
Extraction, PCB	Completed			3510C	12/06/04 12:54	TAS		
Mercury Digestion	Completed			7470A	12/07/04 11:30	JRT		
Metals Digestion	Completed			3015A	12/09/04 09:15	MSH		
Metals								
Arsenic	0.003	mg/L	0.002	200.8	12/10/04 16:33	PER	7440-38-2	
Barium	0.270	mg/L	0.005	200.8	12/10/04 16:33	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/10/04 16:33	PER	7440-43-9	
Chromium	0.012	mg/L	0.005	200.8	12/10/04 16:33	PER	7440-47-3	
Copper	0.009	mg/L	0.005	200.8	12/10/04 16:33	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/10/04 16:33	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/07/04 17:46	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/10/04 16:33	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	12/10/04 16:33	PER	7440-22-4	
Zinc	0.006	mg/L	0.005	200.8	12/10/04 16:33	PER	7440-66-6	
Organics								
PCB								
CB-1016	Not detected	ug/L	0.1	608	12/07/04 17:09	JANB	12674-11-2	
CB-1221	Not detected	ug/L	0.1	608	12/07/04 17:09	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	12/07/04 17:09	JANB	11141-16-5	
CB-1242	Not detected	ug/L	0.1	608	12/07/04 17:09	JANB	53469-21-9	
CB-1248	Not detected	ug/L	0.1	608	12/07/04 17:09	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	12/07/04 17:09	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	12/07/04 17:09	JANB	11096-82-5	
CB, Total	Not detected	ug/L		608	12/07/04 17:09	JANB	1336-36-3	
Volatile Organics								
Benzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	74-87-3	



Analytical Laboratory Report

Lab Sample ID: S20045.07 (continued)

Sample Tag: MW-11S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Dibromochloromethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	98-82-8	
i-Propyltoluene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	79-34-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	127-18-4	
o-Toluene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	79-00-5	
1,1,2-Trichloroethene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	75-01-4	
p-Xylene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	95-47-6	
m-Xylene	Not detected	ug/L	2	8260B	12/09/04 21:24	JGH	106-42-3	
Acetone	Not detected	ug/L	30	8260B	12/09/04 21:24	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	12/09/04 21:24	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	12/09/04 21:24	JGH	591-78-6	
2-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/09/04 21:24	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	764-41-0	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	75-71-8	



Analytical Laboratory Report

Lab Sample ID: S20045.07 (continued)

Sample Tag: MW-11S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Diethyl ether	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/09/04 21:24	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/09/04 21:24	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/09/04 21:24	JGH	75-69-4	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	208-96-8	
Anthracene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	56-55-3	
Benzo(b)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	191-24-2	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	50-32-8	
Bis(2-Chloroethoxy)methane	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	111-91-1	
Bis(2-Chloroethyl)ether	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	111-44-4	
Bis(2-Chloroisopropyl)ether	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	108-60-1	
Bis(2-Ethylhexyl)phthalate	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	117-81-7	
4-Bromophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	101-55-3	
Butyl benzyl phthalate	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	85-68-7	
4-Chloroaniline	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	106-47-8	
2-Chloronaphthalene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	91-58-7	
4-Chloro-3-methylphenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	59-50-7	
4-Chlorophenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	7005-72-3	
Chrysene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	218-01-9	
3-Cresol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	106-44-5	
4-Cresol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	95-48-7	
Dibenzo(ah)anthracene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	53-70-3	
2-Benzofuran	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	132-64-9	
Di-n-Butyl phthalate	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	84-74-2	
1,2-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	106-46-7	
2,3-Dichlorobenzidine	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	91-94-1	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	120-83-2	
Diethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	84-66-2	
1,4-Dimethylphenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	105-67-9	
Dimethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	131-11-3	
1,6-Dinitro-2-methylphenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	534-52-1	
4-Dinitrophenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	606-20-2	
2,2-Diphenylhydrazine	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	122-66-7	
Di-n-Octyl phthalate	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	117-84-0	
Fluoranthene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	206-44-0	
Fluorene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	118-74-1	



Analytical Laboratory Report

Lab Sample ID: S20045.07 (continued)

Sample Tag: MW-11S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Hexachlorobutadiene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	193-39-5	
Isophorone	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	91-57-6	
Naphthalene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	91-20-3	
2-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	88-74-4	
3-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	100-01-6	
Nitrobenzene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	98-95-3	
2-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	88-75-5	
4-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	100-02-7	
N-Nitrosodiphenylamine	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	86-30-6	
N-Nitrosodi-n-propylamine	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	621-64-7	
Pentachlorophenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	85-01-8	
Phenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	108-95-2	
Pyrene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	129-00-0	
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	120-82-1	
1,4,5-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	95-95-4	
1,4,6-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 08:32	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S20045.08
 Sample Tag: MW-12S
 Collected Date/Time: 12/02/2004 12:35
 Matrix: Groundwater
 COC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 1 L Amber	None	Yes	4	3
40 ml Glass	HCL	Yes	4	3
125ml Plastic	HNO3	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	-----	--------	---------------	---------	-------	-------

Extraction / Prep.

DNA Extraction	Completed			3510C	12/08/04 18:32	PL		
Extraction, PCB	Completed			3510C	12/06/04 12:54	TAS		
Mercury Digestion	Completed			7470A	12/07/04 11:30	JRT		
Metal Digestion	Completed			3015A	12/09/04 09:15	MSH		

Metals

Arsenic	Not detected	mg/L	0.002	200.8	12/10/04 16:36	PER	7440-38-2	
Barium	0.033	mg/L	0.005	200.8	12/10/04 16:36	PER	7440-39-3	
Cadmium	0.0014	mg/L	0.0005	200.8	12/10/04 16:36	PER	7440-43-9	
Chromium	0.006	mg/L	0.005	200.8	12/10/04 16:36	PER	7440-47-3	
Copper	Not detected	mg/L	0.005	200.8	12/10/04 16:36	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/10/04 16:36	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/07/04 17:50	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/10/04 16:36	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	12/10/04 16:36	PER	7440-22-4	
Zinc	Not detected	mg/L	0.005	200.8	12/10/04 16:36	PER	7440-66-6	

Organics

PCB

CB-1016	Not detected	ug/L	0.1	608	12/07/04 17:25	JANB	12674-11-2	
CB-1221	Not detected	ug/L	0.1	608	12/07/04 17:25	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	12/07/04 17:25	JANB	11141-16-5	
CB-1242	Not detected	ug/L	0.1	608	12/07/04 17:25	JANB	53469-21-9	
CB-1248	Not detected	ug/L	0.1	608	12/07/04 17:25	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	12/07/04 17:25	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	12/07/04 17:25	JANB	11096-82-5	
CB, Total	Not detected	ug/L		608	12/07/04 17:25	JANB	1336-36-3	

Volatile Organics

Benzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	74-83-9	
Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	74-87-3	



Analytical Laboratory Report

Lab Sample ID: S20045.08 (continued)

Sample Tag: MW-12S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Dibromochloromethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	107-06-2	
1,1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	75-35-4	
trans-1,2-Dichloroethane	1	ug/L	1	8260B	12/09/04 21:58	JGH	156-59-2	
cis-1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	99-87-6	
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	79-34-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	127-18-4	
1,2,3,4-Tetrachlorobenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	79-00-5	
1,1,2,2-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	75-01-4	
m-Xylene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	12/09/04 21:58	JGH	106-42-3	
Acetone	Not detected	ug/L	30	8260B	12/09/04 21:58	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	12/09/04 21:58	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	12/09/04 21:58	JGH	591-78-6	
Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/09/04 21:58	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	764-41-0	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	107-13-1	
Styrene	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	74-97-5	
Bromomethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	74-95-3	
Chlorodifluoromethane	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	75-71-8	



Analytical Laboratory Report

Lab Sample ID: S20045.08 (continued)

Sample Tag: MVV-12S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Diethyl ether	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/09/04 21:58	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/09/04 21:58	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/09/04 21:58	JGH	75-69-4	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	208-96-8	
Anthracene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	56-55-3	
Benzo(b)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	191-24-2	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	50-32-8	
Bis(2-Chloroethoxy)methane	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	111-91-1	
Bis(2-Chloroethyl)ether	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	111-44-4	
Bis(2-Chloroisopropyl)ether	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	108-60-1	
Bis(2-Ethylhexyl)phthalate	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	117-81-7	
4-Bromophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	101-55-3	
Butyl benzyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	85-68-7	
4-Chloroaniline	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	106-47-8	
2-Chloronaphthalene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	91-58-7	
4-Chloro-3-methylphenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	59-50-7	
4-Chlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	7005-72-3	
Chrysene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	218-01-9	
m-Cresol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	106-44-5	
p-Cresol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	95-48-7	
Dibenzo(ah)anthracene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	53-70-3	
Dibenzofuran	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	132-64-9	
n-Butyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	84-74-2	
1,2-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	106-46-7	
2,3-Dichlorobenzidine	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	91-94-1	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	120-83-2	
Diethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	84-66-2	
1,4-Dimethylphenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	105-67-9	
Dimethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	131-11-3	
2,6-Dinitro-2-methylphenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	534-52-1	
2,4-Dinitrophenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	606-20-2	
2,2-Diphenylhydrazine	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	122-66-7	
n-Octyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	117-84-0	
Fluoranthene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	206-44-0	
Fluorene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	118-74-1	



Analytical Laboratory Report

Lab Sample ID: S20045.08 (continued)

Sample Tag: MW-12S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Hexachlorobutadiene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	193-39-5	
Diphosphorone	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	91-57-6	
Naphthalene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	91-20-3	
o-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	88-74-4	
m-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	100-01-6	
Nitrobenzene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	98-95-3	
o-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	88-75-5	
4-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	100-02-7	
*o-Nitrosodiphenylamine	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	86-30-6	
o-Nitrosodi-n-propylamine	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	621-64-7	
o-Pentachlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	85-01-8	
Phenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	108-95-2	
Pyrene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	129-00-0	
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	120-82-1	
1,4,5-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	95-95-4	
1,4,6-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:15	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S20045.09
 Sample Tag: MW-13S
 Collected Date/Time: 12/02/2004 13:50
 Matrix: Groundwater
 COC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 1 L Amber	None	Yes	4	3
40 ml Glass	HCL	Yes	4	3
125ml Plastic	HNO3	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
----------	---------	-------	-----	--------	---------------	---------	-------	-------

Extraction / Prep.

DNA Extraction	Completed			3510C	12/08/04 18:32	PL		
Extraction, PCB	Completed			3510C	12/06/04 12:54	TAS		
Mercury Digestion	Completed			7470A	12/07/04 11:30	JRT		
Metal Digestion	Completed			3015A	12/09/04 09:15	MSH		

Metals

Arsenic	Not detected	mg/L	0.002	200.8	12/10/04 16:39	PER	7440-38-2	
Barium	0.037	mg/L	0.005	200.8	12/10/04 16:39	PER	7440-39-3	
Cadmium	Not detected	mg/L	0.0005	200.8	12/10/04 16:39	PER	7440-43-9	
Chromium	Not detected	mg/L	0.005	200.8	12/10/04 16:39	PER	7440-47-3	
Copper	Not detected	mg/L	0.005	200.8	12/10/04 16:39	PER	7440-50-8	
Lead	Not detected	mg/L	0.003	200.8	12/10/04 16:39	PER	7439-92-1	
Mercury	Not detected	mg/L	0.0002	245.1	12/07/04 17:52	JRT	7439-97-6	
Selenium	Not detected	mg/L	0.005	200.8	12/10/04 16:39	PER	7782-49-2	
Silver	Not detected	mg/L	0.0005	200.8	12/10/04 16:39	PER	7440-22-4	
Zinc	Not detected	mg/L	0.005	200.8	12/10/04 16:39	PER	7440-66-6	

Organics

PCB

PCB-1016	Not detected	ug/L	0.1	608	12/07/04 17:42	JANB	12674-11-2	
PCB-1221	Not detected	ug/L	0.1	608	12/07/04 17:42	JANB	11104-28-2	
PCB-1232	Not detected	ug/L	0.1	608	12/07/04 17:42	JANB	11141-16-5	
PCB-1242	Not detected	ug/L	0.1	608	12/07/04 17:42	JANB	53469-21-9	
PCB-1248	Not detected	ug/L	0.1	608	12/07/04 17:42	JANB	12672-29-6	
PCB-1254	Not detected	ug/L	0.1	608	12/07/04 17:42	JANB	11097-69-1	
PCB-1260	Not detected	ug/L	0.1	608	12/07/04 17:42	JANB	11096-82-5	
PCB, Total	Not detected	ug/L		608	12/07/04 17:42	JANB	1336-36-3	

Volatile Organics

Benzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	74-87-3	



Analytical Laboratory Report

Lab Sample ID: S20045.09 (continued)

Sample Tag: MW-13S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	75-35-4	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	156-59-2	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	98-82-8	
Isopropyltoluene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	99-87-6	
1,1-Dimethylene chloride	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	79-34-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	127-18-4	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	108-88-3	
1,1,1,1-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	79-00-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	75-01-4	
m-Xylene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	12/09/04 22:32	JGH	106-42-3	
Acetone	Not detected	ug/L	30	8260B	12/09/04 22:32	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	12/09/04 22:32	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	12/09/04 22:32	JGH	591-78-6	
Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/09/04 22:32	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	764-41-0	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	107-13-1	
Toluene	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	74-97-5	
Bromomethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	75-71-8	



Analytical Laboratory Report

Lab Sample ID: S20045.09 (continued)
 Sample Tag: MWV-13S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Methyl ether	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/09/04 22:32	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/09/04 22:32	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/09/04 22:32	JGH	75-69-4	
GC/MS Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	83-32-9	
Acenaphthylene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	208-96-8	
Anthracene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	56-55-3	
Benzo(b)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	191-24-2	
Benzo(a)pyrene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	50-32-8	
Bis(2-Chloroethoxy)methane	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	111-91-1	
Bis(2-Chloroethyl)ether	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	111-44-4	
Bis(2-Chloroisopropyl)ether	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	108-60-1	
Bis(2-Ethylhexyl)phthalate	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	117-81-7	
4-Bromophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	101-55-3	
Butyl benzyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	85-68-7	
4-Chloroaniline	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	106-47-8	
2-Chloronaphthalene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	91-58-7	
4-Chloro-3-methylphenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	59-50-7	
2-Chlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	7005-72-3	
Chrysene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	218-01-9	
m-Cresol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	106-44-5	
p-Cresol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	95-48-7	
Dibenzo(ah)anthracene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	53-70-3	
2-Benzofuran	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	132-64-9	
n-Butyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	84-74-2	
1,2-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	106-46-7	
2,3'-Dichlorobenzidine	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	91-94-1	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	120-83-2	
Diethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	84-66-2	
1,4-Dimethylphenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	105-67-9	
Dimethyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	131-11-3	
2,6-Dinitro-2-methylphenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	534-52-1	
2,4-Dinitrophenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	606-20-2	
2,2-Diphenylhydrazine	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	122-66-7	
n-Octyl phthalate	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	117-84-0	
Fluoranthene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	206-44-0	
Fluorene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	86-73-7	
Hexachlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	118-74-1	



Analytical Laboratory Report

Lab Sample ID: S20045.09 (continued)

Sample Tag: MW-13S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
GC/MS Semi-Volatile Organics (continued)								
Hexachlorobutadiene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	77-47-4	
Hexachloroethane	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	193-39-5	
Isochlorophene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	91-57-6	
Naphthalene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	91-20-3	
2-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	88-74-4	
3-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	99-09-2	
4-Nitroaniline	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	100-01-6	
Nitrobenzene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	98-95-3	
2-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	88-75-5	
4-Nitrophenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	100-02-7	
1-Nitrosodiphenylamine	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	86-30-6	
1-Nitrosodi-n-propylamine	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	621-64-7	
Pentachlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	87-86-5	
Phenanthrene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	85-01-8	
Phenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	108-95-2	
Pyrene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	129-00-0	
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	120-82-1	
1,4,5-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	95-95-4	
1,4,6-Trichlorophenol	Not detected	ug/L	10	8270C	12/21/04 09:58	ARH	88-06-2	



Analytical Laboratory Report

Lab Sample ID: S20045.10
 Sample Tag: MW-14S
 Collected Date/Time: 12/02/2004 16:20
 Matrix: Groundwater
 COC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1 40 ml Glass	HCL	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics								
Volatile Organics								
Benzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	75-35-4	
cis-1,2-Dichloroethene	26	ug/L	1	8260B	12/09/04 23:06	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	99-87-6	
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	75-09-2	
naphthalene	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	71-55-6	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	79-00-5	
1,1,2-Trichloroethane	1	ug/L	1	8260B	12/09/04 23:06	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	108-67-8	
Vinyl chloride	3	ug/L	1	8260B	12/09/04 23:06	JGH	75-01-4	
Xylene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	95-47-6	
m-Xylene	Not detected	ug/L	2	8260B	12/09/04 23:06	JGH	106-42-3	



Analytical Laboratory Report

Lab Sample ID: S20045.10 (continued)

Sample Tag: MW-14S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Acetone	Not detected	ug/L	30	8260B	12/09/04 23:06	JGH	67-64-1	
n-Butanone (MEK)	Not detected	ug/L	30	8260B	12/09/04 23:06	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	75-15-0	
n-Hexanone	Not detected	ug/L	50	8260B	12/09/04 23:06	JGH	591-78-6	
n-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/09/04 23:06	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	764-41-0	
1-Methylnaphthalene	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/09/04 23:06	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/09/04 23:06	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/09/04 23:06	JGH	75-69-4	



Analytical Laboratory Report

Lab Sample ID: S20045.11
 Sample Tag: MW-15S
 Collected Date/Time: 12/02/2004 17:20
 Matrix: Groundwater
 COC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1 40 ml Glass	HCL	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics								
Volatile Organics								
Benzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	10061-02-6	
o-Tolylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	98-82-8	
n-Isopropyltoluene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	99-87-6	
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	75-09-2	
1,2,3-Trichloroethane	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	75-01-4	
p-Xylene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	95-47-6	
m-Xylene	Not detected	ug/L	2	8260B	12/09/04 23:40	JGH	106-42-3	



Analytical Laboratory Report

Lab Sample ID: S20045.11 (continued)

Sample Tag: MW-15S

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Acetone	Not detected	ug/L	30	8260B	12/09/04 23:40	JGH	67-64-1	
Butanone (MEK)	Not detected	ug/L	30	8260B	12/09/04 23:40	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	75-15-0	
Hexanone	Not detected	ug/L	50	8260B	12/09/04 23:40	JGH	591-78-6	
Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/09/04 23:40	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	764-41-0	
1-Methylnaphthalene	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	74-97-5	
Bromomethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/09/04 23:40	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/09/04 23:40	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/09/04 23:40	JGH	75-69-4	



Analytical Laboratory Report

Lab Sample ID: S20045.12
 Sample Tag: Trip Blank
 Collected Date/Time: 12/02/2004
 Matrix: Groundwater
 COC Reference: 026199

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1 40 ml Glass	HCL	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics								
Volatile Organics								
Benzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	98-82-8	
n-Isopropyltoluene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	99-87-6	
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	75-09-2	
1,2,3-Trichloroethane	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	79-00-5	
1,1,2-Trichloroethene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	75-01-4	
p-Xylene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	95-47-6	
m-Xylene	Not detected	ug/L	2	8260B	12/10/04 00:14	JGH	106-42-3	



Analytical Laboratory Report

Lab Sample ID: S20045.12 (continued)

Sample Tag: Trip Blank

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics (continued)								
Volatile Organics (continued)								
Acetone	Not detected	ug/L	30	8260B	12/10/04 00:14	JGH	67-64-1	
n-Butanone (MEK)	Not detected	ug/L	30	8260B	12/10/04 00:14	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	75-15-0	
n-Hexanone	Not detected	ug/L	50	8260B	12/10/04 00:14	JGH	591-78-6	
n-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	12/10/04 00:14	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	106-93-4	
1,4-Dichloro-2-butene	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	764-41-0	
1-Methylnaphthalene	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	12/10/04 00:14	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	100	8260B	12/10/04 00:14	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	12/10/04 00:14	JGH	75-69-4	



2680 East Lansing Dr., East Lansing, MI 48823
 Phone (517) 332-0167 Fax (517) 332-6333
 www.meritlabs.com

C.O.C. PAGE # _____ OF _____

026199

INVOICE TO

REPORT TO

CHAIN OF CUSTODY RECORD

CONTACT NAME: Babasakumar
 COMPANY: Weston Solutions, Inc
 ADDRESS: 750 Bunker Court
 CITY: Vernon Hills STATE: IL ZIP CODE: 60061
 PHONE NO: 847-918-4000 FAX NO: 847-918-4055 P.O. NO.:
 E-MAIL ADDRESS: Babu.Babasakumar@westonsolutions.com

CONTACT NAME: SAME
 COMPANY:
 ADDRESS:
 CITY: STATE: ZIP CODE:
 PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: GM - Linden Rd
 SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kirk Lehman
 TURNAROUND TIME REQUIRED: 24 HR 48 HR 72 HR STANDARD OTHER
 DELIVERABLES REQUIRED: STANDARD LEVEL II LEVEL III OTHER

MATRIX CODE: GW=GROUNDWATER W=WASTE W=LIQUID W=WASTE SD=SOLID M=MISC
 SL=SLUDGE O=OIL S=SOIL A=AIR

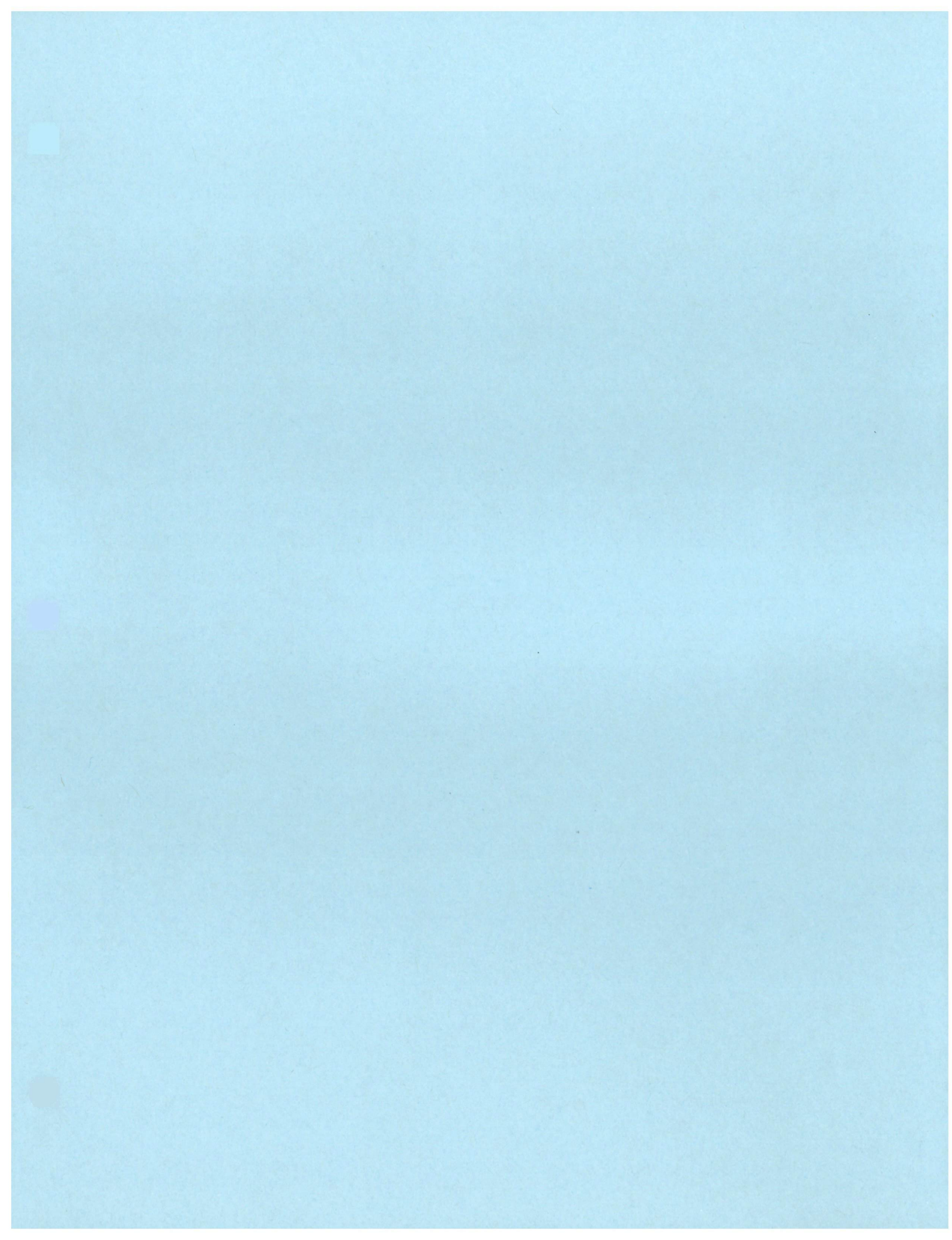
ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER	VOC	SVOC	PCB	MI 10 Metals							SPECIAL INSTRUCTIONS/NOTES	
	DATE	TIME																						
20045.01	12/26/04	1620	MW-01S	GW	4	2	1	1					X	X	X	X								
.02		1510	MW-03S		4	2	1	1																
.03		1500	MW-05S		4	2	1	1																
.04		1500	MW-05S DUP		4	2	1	1																
.05		1705	MW-06S		4	2	1	1																
.06		1400	MW-10S		4	2	1	1																
.07		1300	MW-11S		4	2	1	1																
.08		1235	MW-12S		4	2	1	1																
.09		1350	MW-13S		4	2	1	1																
.10		1620	MW-14S		1			1+KL																(1) 40 mL VOA
.11		1720	MW-15S		1			1+KL																(1) 40 mL VOA
.12		-	Trip Blank																					(1) 40 mL VOA

RELINQUISHED BY: SIGNATURE/ORGANIZATION: *[Signature]* DATE: 12/23/04 TIME: 930
 RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
 RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
 RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
 RECEIVED BY: SIGNATURE/ORGANIZATION: *Anne Frabio* DATE: 12-3-04 TIME: 930
 SEAL NO. SEAL INTACT YES NO INITIALS: NOTES: TEMP. ON ARRIVAL:
 SEAL NO. SEAL INTACT YES NO INITIALS:

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE





Quality Control Cover Page

Report ID: S20045.01(01)
Report Date: 12/23/2004
Project: GM-Linden Rd.
Lab Sample ID(s): S20045.01-S20045.12

Report to:

Attention: Mr. Babusukumar
Weston Solutions, Inc.
2501 Jolly Rd. Suite 100
Okemos, MI 48864

Sample ID	Sample Tag	Collected	Matrix	Analysis Departments
S20045.01	MW-01S	12/02/2004 16:20	Groundwater	Extraction / Prep., Metals, Organics
S20045.02	MW-03S	12/02/2004 15:10	Groundwater	Extraction / Prep., Metals, Organics
S20045.03	MW-05S	12/02/2004 15:00	Groundwater	Extraction / Prep., Metals, Organics
S20045.04	MW-05S Dup	12/02/2004 15:00	Groundwater	Extraction / Prep., Metals, Organics
S20045.05	MW-06S	12/02/2004 17:05	Groundwater	Extraction / Prep., Metals, Organics
S20045.06	MW-10S	12/02/2004 14:00	Groundwater	Extraction / Prep., Metals, Organics
S20045.07	MW-11S	12/02/2004 13:00	Groundwater	Extraction / Prep., Metals, Organics
S20045.08	MW-12S	12/02/2004 12:35	Groundwater	Extraction / Prep., Metals, Organics
S20045.09	MW-13S	12/02/2004 13:50	Groundwater	Extraction / Prep., Metals, Organics
S20045.10	MW-14S	12/02/2004 16:20	Groundwater	Organics
S20045.11	MW-15S	12/02/2004 17:20	Groundwater	Organics
S20045.12	Trip Blank	12/02/2004 :	Groundwater	Organics

This QC package, to the best of my knowledge, is in compliance with all technical and administrative requirements. If you have any questions, please do not hesitate to contact me at 517-332-0167 (ext. 14) or email me at mayamurshak@meritlabs.com.

Sincerely,

Maya Murshak
Technical Director

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.01.Phyrexia

Analytical Batch: 041209a.1
Heated Purge: Yes

Index of Applicable Reporting Forms

Form 0: GC/MS Injection Log - Volatile Organics	Form 5: Instrument Performance Check (BFB/DFTPP)
Form 1: GC/MS Data Sheet	Form 6: Initial Calibration Data
Form 2: Surrogate Standard Recoveries	Form 7a: System Performance Compounds Check
Form 3a: Duplicate/Matrix Spike Duplicate Summary	Form 7b: Calibration Check Compounds
Form 3b: Matrix Spike Summary	Form 8: Internal Standard Area and Retention Time Summary
Form 4: Method Blank Summary	Supplemental Forms: Chromatographic Data

Filename	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
bfb09a.d	12/09/04 13:52	bfb 50ng [none]	WW	IP		
spcc09a.d	12/09/04 14:29	[none]	WW	CV		
lcs08r.d	12/09/04 15:07	blank ms vf041208w1	WW	MS		
2004501m.d	12/09/04 15:41	ms r vf041208w1	WW	MS		
2004501n.d	12/09/04 16:15	msd r vf041208w1	WW	MS	3	
w08r.d	12/09/04 16:49	wash vf041208w1	WW			
blkw08r.d	12/09/04 17:24	blank vf041208w1	WW	B1		
2004501.d	12/09/04 17:58	5ml vf041208w1	WW			
2004502r.d	12/09/04 18:32	5ml vf041208w1	WW			
2004503r.d	12/09/04 19:07	5ml vf041208w1	WW			
2004504r.d	12/09/04 19:41	5ml vf041208w1	WW		2	
2004505r.d	12/09/04 20:15	5ml vf041208w1	WW		2	
2004506r.d	12/09/04 20:50	5ml vf041208w1	WW			
2004507r.d	12/09/04 21:24	5ml vf041208w1	WW			
2004508r.d	12/09/04 21:58	5ml vf041208w1	WW			
2004509r.d	12/09/04 22:32	5ml vf041208w1	WW			
2004510r.d	12/09/04 23:06	5ml vf041208w1	WW			
2004511r.d	12/09/04 23:40	5ml vf041208w1	WW			
2004512r.d	12/10/04 00:14	5ml vf041208w1	WW			
bfb09b.d	12/10/04 00:48	bfb 50ng [none]	WW	IP		
spcc09b.d	12/10/04 01:22	[none]	WW	CV		
2006605.d	12/10/04 01:56	5ml vf041208w1	WW			
2006606.d	12/10/04 02:30	5ml vf041208w1	WW			
2006607.d	12/10/04 03:05	5ml vf041208w1	WW			
2006608.d	12/10/04 03:38	5ml vf041208w1	WW			
2006609.d	12/10/04 04:12	5ml vf041208w1	WW			
2006411.d	12/10/04 04:47	100ul vf041209s1	SO			
2006412.d	12/10/04 05:21	100ul vf041209s1	SO			
2006413.d	12/10/04 05:55	100ul vf041209s1	SO			
2006414.d	12/10/04 06:29	100ul vf041209s1	SO			
2006416.d	12/10/04 07:03	100ul vf041209s1	SO			
2006417.d	12/10/04 07:37	100ul vf041209s1	SO			
2006409.d	12/10/04 08:11	100ul vf041208s1	SO			
2006410.d	12/10/04 08:45	100ul vf041208s1	SO			
2006415.d	12/10/04 09:19	5ul vf041209s1	SO			

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
 Instrument ID: vol.01.Phyrexia

Analytical Batch: 041209a1.1
 Heated Purge: Yes

Index of Applicable Reporting Forms

Form 0: GC/MS Injection Log - Volatile Organics	Form 5: Instrument Performance Check (BFB/DFTPP)
Form 1: GC/MS Data Sheet	Form 6: Initial Calibration Data
Form 2: Surrogate Standard Recoveries	Form 7a: System Performance Compounds Check
Form 3a: Duplicate/Matrix Spike Duplicate Summary	Form 7b: Calibration Check Compounds
Form 3b: Matrix Spike Summary	Form 8: Internal Standard Area and Retention Time Summary
Form 4: Method Blank Summary	Supplemental Forms: Chromatographic Data

Filename	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
----------	----------	-----------------	-----	---------	-------	----

Matrix (Mtx) Summary

Water Samples:	17	Soil Samples:	9
Water Duplicates:	1	Soil Duplicates:	0
Water Spikes:	3	Soil Spikes:	0
Water Blanks:	1	Soil Blanks:	0

QC Sample Type Summary

IP: Instrument Performance
 CV: Calibration Verification
 MS: Matrix Spike/MS Duplicate
 Bl: Blank
 Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
 R: Reanalyze Sample
 S: Surrogate Standard Outlier
 C: Concentration Beyond Calibration
 T: Exceeds Time Limit
 X: Other

Notes Summary

- 1: Raw Data Included (Form 1 + Chromatograms)
- 2: Surrogate Standard Outliers (Form 2): 2
- 3: Matrix Spike Outliers (Form 3b): 1
- 4: CVM Outliers (Forms 7a and 7b): 0
- 5: Internal Standard Outliers (Form 8): 0

Batch Comments

[no comments]

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
 Instrument ID: vol.01.Phyrexia
 Level: N/A

Analytical Batch: 041209a.1
 Heated Purge: Yes
 Concentration Units: ug/L

Filename	SSD Compound	Concentration		%Rec.	LCL/UCL	Matrix
		Found/Spiked				
spcc09a.d	4-Bromofluorobenzene	52.3/ 50.0		n/a	78.4/119.6	WW
	1,2-Dichloroethane-D4	50.3/ 50.0		n/a	66.4/124.8	
	Toluene-D8	48.0/ 50.0		n/a	82.5/118.4	
Total Outliers: n/a						
lcs08r.d	4-Bromofluorobenzene	51.0/ 50.0		102.0	78.4/119.6	WW
	1,2-Dichloroethane-D4	51.0/ 50.0		102.1	66.4/124.8	
	Toluene-D8	50.8/ 50.0		101.6	82.5/118.4	
Total Outliers: 0						
2004501m.d	4-Bromofluorobenzene	50.0/ 50.0		99.9	78.4/119.6	WW
	1,2-Dichloroethane-D4	53.0/ 50.0		106.0	66.4/124.8	
	Toluene-D8	50.8/ 50.0		101.5	82.5/118.4	
Total Outliers: 0						
2004501n.d	4-Bromofluorobenzene	48.7/ 50.0		97.3	78.4/119.6	WW
	1,2-Dichloroethane-D4	50.7/ 50.0		101.4	66.4/124.8	
	Toluene-D8	49.6/ 50.0		99.1	82.5/118.4	
Total Outliers: 0						
w08r.d	4-Bromofluorobenzene	38.2/ 50.0		n/a	78.4/119.6	WW
	1,2-Dichloroethane-D4	64.3/ 50.0		n/a	66.4/124.8	
	Toluene-D8	49.3/ 50.0		n/a	82.5/118.4	
Total Outliers: n/a						
blkw08r.d	4-Bromofluorobenzene	47.9/ 50.0		95.8	78.4/119.6	WW
	1,2-Dichloroethane-D4	52.7/ 50.0		105.4	66.4/124.8	
	Toluene-D8	50.0/ 50.0		100.1	82.5/118.4	
Total Outliers: 0						
2004501.d	4-Bromofluorobenzene	50.6/ 50.0		101.2	78.4/119.6	WW
	1,2-Dichloroethane-D4	53.0/ 50.0		105.9	66.4/124.8	
	Toluene-D8	49.7/ 50.0		99.3	82.5/118.4	
Total Outliers: 0						
2004502r.d	4-Bromofluorobenzene	48.7/ 50.0		97.3	78.4/119.6	WW
	1,2-Dichloroethane-D4	50.5/ 50.0		101.0	66.4/124.8	
	Toluene-D8	50.5/ 50.0		100.9	82.5/118.4	
Total Outliers: 0						
2004503r.d	4-Bromofluorobenzene	50.4/ 50.0		100.8	78.4/119.6	WW
	1,2-Dichloroethane-D4	51.9/ 50.0		103.9	66.4/124.8	
	Toluene-D8	49.6/ 50.0		99.1	82.5/118.4	
Total Outliers: 0						
2004504r.d	4-Bromofluorobenzene	38.9/ 50.0		77.9 *	78.4/119.6	WW
	1,2-Dichloroethane-D4	62.5/ 50.0		125.0 *	66.4/124.8	
	Toluene-D8	49.2/ 50.0		98.4	82.5/118.4	
Total Outliers: 2						
2004505r.d	4-Bromofluorobenzene	39.1/ 50.0		78.1 *	78.4/119.6	WW
	1,2-Dichloroethane-D4	61.8/ 50.0		123.7	66.4/124.8	
	Toluene-D8	49.6/ 50.0		99.1	82.5/118.4	
Total Outliers: 1						
2004506r.d	4-Bromofluorobenzene	50.4/ 50.0		100.9	78.4/119.6	WW
	1,2-Dichloroethane-D4	47.0/ 50.0		94.1	66.4/124.8	
	Toluene-D8	50.0/ 50.0		100.0	82.5/118.4	
Total Outliers: 0						

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
 Instrument ID: vol.01.Phyrexia
 Level: N/A

Analytical Batch: 041209a.1
 Heated Purge: Yes
 Concentration Units: ug/L

Filename	SSD Compound	Concentration		%Rec.	LCL/UCL	Matrix
		Found/Spiked				
2004507r.d	4-Bromofluorobenzene	48.3/ 50.0		96.5	78.4/119.6	WW
	1,2-Dichloroethane-D4	48.4/ 50.0		96.8	66.4/124.8	
	Toluene-D8	50.4/ 50.0		100.8	82.5/118.4	
Total Outliers: 0						
2004508r.d	4-Bromofluorobenzene	50.0/ 50.0		100.0	78.4/119.6	WW
	1,2-Dichloroethane-D4	54.0/ 50.0		107.9	66.4/124.8	
	Toluene-D8	51.6/ 50.0		103.2	82.5/118.4	
Total Outliers: 0						
2004509r.d	4-Bromofluorobenzene	49.7/ 50.0		99.5	78.4/119.6	WW
	1,2-Dichloroethane-D4	51.9/ 50.0		103.7	66.4/124.8	
	Toluene-D8	49.9/ 50.0		99.9	82.5/118.4	
Total Outliers: 0						
2004510r.d	4-Bromofluorobenzene	50.9/ 50.0		101.8	78.4/119.6	WW
	1,2-Dichloroethane-D4	49.0/ 50.0		97.9	66.4/124.8	
	Toluene-D8	50.9/ 50.0		101.8	82.5/118.4	
Total Outliers: 0						
2004511r.d	4-Bromofluorobenzene	50.0/ 50.0		100.0	78.4/119.6	WW
	1,2-Dichloroethane-D4	53.7/ 50.0		107.5	66.4/124.8	
	Toluene-D8	51.3/ 50.0		102.6	82.5/118.4	
Total Outliers: 0						
2004512r.d	4-Bromofluorobenzene	50.3/ 50.0		100.7	78.4/119.6	WW
	1,2-Dichloroethane-D4	54.4/ 50.0		108.7	66.4/124.8	
	Toluene-D8	50.7/ 50.0		101.4	82.5/118.4	
Total Outliers: 0						
spcc09b.d	4-Bromofluorobenzene	52.4/ 50.0		n/a	78.4/119.6	WW
	1,2-Dichloroethane-D4	51.6/ 50.0		n/a	66.4/124.8	
	Toluene-D8	49.9/ 50.0		n/a	82.5/118.4	
Total Outliers: n/a						
2006605.d	4-Bromofluorobenzene	51.9/ 50.0		103.8	78.4/119.6	WW
	1,2-Dichloroethane-D4	53.1/ 50.0		106.3	66.4/124.8	
	Toluene-D8	49.3/ 50.0		98.6	82.5/118.4	
Total Outliers: 0						
2006606.d	4-Bromofluorobenzene	52.8/ 50.0		105.6	78.4/119.6	WW
	1,2-Dichloroethane-D4	51.3/ 50.0		102.5	66.4/124.8	
	Toluene-D8	51.3/ 50.0		102.6	82.5/118.4	
Total Outliers: 0						
2006607.d	4-Bromofluorobenzene	52.6/ 50.0		105.2	78.4/119.6	WW
	1,2-Dichloroethane-D4	51.8/ 50.0		103.5	66.4/124.8	
	Toluene-D8	50.4/ 50.0		100.8	82.5/118.4	
Total Outliers: 0						
2006608.d	4-Bromofluorobenzene	51.8/ 50.0		103.7	78.4/119.6	WW
	1,2-Dichloroethane-D4	45.9/ 50.0		91.7	66.4/124.8	
	Toluene-D8	50.4/ 50.0		100.9	82.5/118.4	
Total Outliers: 0						
2006609.d	4-Bromofluorobenzene	54.0/ 50.0		107.9	78.4/119.6	WW
	1,2-Dichloroethane-D4	54.5/ 50.0		108.9	66.4/124.8	
	Toluene-D8	50.1/ 50.0		100.2	82.5/118.4	
Total Outliers: 0						

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm

Analytical Batch: 041209a.1

Instrument ID: vol.01.Phyrexia

Heated Purge: Yes

Level: N/A

Concentration Units: ug/L

Filename	SSD Compound	Concentration		%Rec.	LCL/UCL	Matrix
		Found/Spiked				
2006411.d	4-Bromofluorobenzene	49.8/	50.0	99.6	59.0/122.8	SO
	1,2-Dichloroethane-D4	56.1/	50.0	112.1	70.0/136.3	
	Toluene-D8	50.9/	50.0	101.7	84.0/138.0	
Total Outliers: 0						
2006412.d	4-Bromofluorobenzene	48.2/	50.0	96.5	59.0/122.8	SO
	1,2-Dichloroethane-D4	53.8/	50.0	107.5	70.0/136.3	
	Toluene-D8	51.3/	50.0	102.5	84.0/138.0	
Total Outliers: 0						
2006413.d	4-Bromofluorobenzene	47.7/	50.0	95.4	59.0/122.8	SO
	1,2-Dichloroethane-D4	54.7/	50.0	109.3	70.0/136.3	
	Toluene-D8	50.6/	50.0	101.2	84.0/138.0	
Total Outliers: 0						
2006414.d	4-Bromofluorobenzene	48.0/	50.0	96.0	59.0/122.8	SO
	1,2-Dichloroethane-D4	55.2/	50.0	110.4	70.0/136.3	
	Toluene-D8	50.9/	50.0	101.8	84.0/138.0	
Total Outliers: 0						
2006416.d	4-Bromofluorobenzene	47.3/	50.0	94.7	59.0/122.8	SO
	1,2-Dichloroethane-D4	57.1/	50.0	114.2	70.0/136.3	
	Toluene-D8	50.1/	50.0	100.1	84.0/138.0	
Total Outliers: 0						
2006417.d	4-Bromofluorobenzene	48.1/	50.0	96.2	59.0/122.8	SO
	1,2-Dichloroethane-D4	54.2/	50.0	108.4	70.0/136.3	
	Toluene-D8	50.5/	50.0	101.0	84.0/138.0	
Total Outliers: 0						
2006409.d	4-Bromofluorobenzene	47.3/	50.0	94.6	59.0/122.8	SO
	1,2-Dichloroethane-D4	56.8/	50.0	113.5	70.0/136.3	
	Toluene-D8	50.9/	50.0	101.8	84.0/138.0	
Total Outliers: 0						
2006410.d	4-Bromofluorobenzene	45.8/	50.0	91.6	59.0/122.8	SO
	1,2-Dichloroethane-D4	54.5/	50.0	109.1	70.0/136.3	
	Toluene-D8	51.0/	50.0	101.9	84.0/138.0	
Total Outliers: 0						
2006415.d	4-Bromofluorobenzene	51.8/	50.0	103.6	59.0/122.8	SO
	1,2-Dichloroethane-D4	54.3/	50.0	108.7	70.0/136.3	
	Toluene-D8	51.6/	50.0	103.2	84.0/138.0	
Total Outliers: 0						

NOTES

*: Surrogate recovery outside of laboratory-established control limits

n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 3a: Duplicate/Matrix Spike Duplicate Summary

GC Column: VOCOL/L:60m/D:0.53mm
 Instrument ID: vol.01.Phyrexia

Analytical Batch: 041209a.1
 Heated Purge: Yes
 Concentration Units: ug/L

File Name	Sample Name	Target Compound	Dup/Samp Conc.	%RPD	Matrix
2004501n.d	2004501m.d	acetone (*)	23.75/ 22.21	6.7	WW
		carbon disulfide (*)	25.05/ 23.90	4.7	
		tert-methyl butyl ether (mtbe) (*)	31.61/ 31.49	0.4	
		acrylonitrile (*)	1.72/ 1.60	7.2	
		2-butanone (mek) (*)	25.91/ 26.25	1.3	
		dichlorodifluoromethane	29.58/ 28.70	3.0	
		chloromethane (spcc)	27.79/ 26.06	6.4	
		vinyl chloride (ccc)	36.87/ 35.67	3.3	
		bromomethane	31.30/ 27.33	13.5	
		chloroethane	34.49/ 27.34	23.1	
		trichlorofluoromethane	34.79/ 32.65	6.3	
		1,1-dichloroethene (ccc/ms)	26.38/ 25.48	3.5	
		methylene chloride	29.95/ 29.49	1.5	
		trans-1,2-dichloroethene	30.79/ 28.74	6.9	
		1,1-dichloroethane (spcc)	31.45/ 29.24	7.3	
		cis-1,2-dichloroethene	96.50/ 91.20	5.6	
		chloroform (ccc)	30.72/ 29.24	4.9	
		1,1,1-trichloroethane	32.92/ 31.57	4.2	
		1,1-dichloropropene	4.53/ 4.26	6.1	
		4-methyl-2-pentanone (mibk) (*)	26.09/ 26.95	3.2	
		2-hexanone (*)	23.58/ 24.97	5.7	
		carbon tetrachloride	31.55/ 29.80	5.7	
		benzene (ms)	30.68/ 29.10	5.3	
		1,2-dichloroethane	28.97/ 27.76	4.3	
		trichloroethene (ms)	40.05/ 37.41	6.8	
		1,2-dichloropropane (ccc)	30.29/ 30.67	1.2	
		bromodichloromethane	27.88/ 27.11	2.8	
		cis-1,3-dichloropropene	27.54/ 27.23	1.1	
		toluene (ccc/ms)	29.24/ 27.90	4.7	
		trans-1,3-dichloropropene	25.63/ 26.25	2.4	
		1,1,2-trichloroethane	28.90/ 28.89	0.0	
		tetrachloroethene	29.73/ 27.90	6.4	
		dibromochloromethane	28.28/ 27.25	3.7	
		1,2-dibromoethane	28.15/ 27.64	1.8	
		chlorobenzene (spcc/ms)	29.85/ 28.14	5.9	
		ethylbenzene (ccc)	30.39/ 28.27	7.2	
		p,m-xylene	57.09/ 54.65	4.4	
		o-xylene	29.94/ 28.51	4.9	
		styrene	27.71/ 27.89	0.6	
		isopropylbenzene	31.98/ 30.98	3.2	
		bromoform (spcc)	25.21/ 26.52	5.1	
		1,1,2,2-tetrachloroethane (spcc)	27.27/ 25.97	4.9	
		1,3-dichlorobenzene	29.92/ 28.18	6.0	
		1,4-dichlorobenzene	29.25/ 28.22	3.6	
		1,2-dichlorobenzene	29.82/ 28.07	6.0	
		1,2-dibromo-3-chloropropane	21.94/ 23.75	7.9	
		1,2,4-trichlorobenzene	31.51/ 30.42	3.5	
		[end of compound list]			

Total Outliers: 0

Form 3b: Matrix Spike Summary

GC Column: VOCOL/L:60m/D:0.53mm
 Instrument ID: vol.01.Phyrexia

Analytical Batch: 041209a.1
 Heated Purge: Yes
 Concentration Units: ug/L

File Name	Sample Name	Target Compound	MS/Samp	Conc.	SP Amt.	%Rec	LCL/UCL	Mat.
lcs08r.d	blk08r.d	Benzene	29.17/	0.00	25.00	116.7	73.7/127.0	WW
		Chlorobenzene	28.94/	0.00	25.00	115.8	75.0/130.0	
		1,1-Dichloroethene	27.55/	0.00	25.00	110.2	59.9/145.0	
		Trichloroethene	28.12/	0.00	25.00	112.5	71.0/121.2	
		Toluene	28.12/	0.00	25.00	112.5	71.4/127.6	
Spike Preparation Batch: vf041208w1							Total Outliers: 0	
2004501m.d	2004501.d	Benzene	29.10/	0.00	25.00	116.4	73.7/127.0	WW
		Chlorobenzene	28.14/	0.00	25.00	112.6	75.0/130.0	
		1,1-Dichloroethene	25.48/	0.00	25.00	101.9	59.9/145.0	
		Trichloroethene	37.41/	9.69	25.00	110.9	71.0/121.2	
		Toluene	27.90/	0.00	25.00	111.6	71.4/127.6	
Spike Preparation Batch: vf041208w1							Total Outliers: 0	
2004501n.d	2004501.d	Benzene	30.68/	0.00	25.00	122.7	73.7/127.0	WW
		Chlorobenzene	29.85/	0.00	25.00	119.4	75.0/130.0	
		1,1-Dichloroethene	26.38/	0.00	25.00	105.5	59.9/145.0	
		Trichloroethene	40.05/	9.69	25.00	121.4*	71.0/121.2	
		Toluene	29.24/	0.00	25.00	117.0	71.4/127.6	
Spike Preparation Batch: vf041208w1							Total Outliers: 1	

NOTES

*: LCS/Matrix Spike recovery outside of laboratory-established control limits

Form 4: Method Blank Summary

GC Column: VOCOL/L:60m/D:0.53mm

Instrument ID: vol.01.Phyrexia

Level: N/A

Analytical Batch: 041209a.1

Heated Purge: Yes

Concentration Units: ug/L

Filename	Prep Batch	Run Time	Target Compound	Conc.	Sample	Matrix
blkw08r.d	vf041208w1	12/09/04 17:24	Diethyl ether (*)	< 1.00 ug/L	< 1.00 ug/L	WW
			Acetone (*)	< 1.00 ug/L	< 1.00 ug/L	
			Methyl iodide (iodomethane) (*)	< 1.00 ug/L	< 1.00 ug/L	
			Carbon disulfide (*)	< 1.00 ug/L	< 1.00 ug/L	
			tert-Methyl butyl ether (MTBE)	< 1.00 ug/L	< 1.00 ug/L	
			Acrylonitrile (*)	< 10.00 ug/L	< 10.00 ug/L	
			2-Butanone (MEK) (*)	< 10.00 ug/L	< 10.00 ug/L	
			Dichlorodifluoromethane	< 1.00 ug/L	< 1.00 ug/L	
			Chloromethane (SPCC)	< 1.00 ug/L	< 1.00 ug/L	
			Vinyl Chloride (CCC)	< 1.00 ug/L	< 1.00 ug/L	
			Bromomethane	< 1.00 ug/L	< 1.00 ug/L	
			Chloroethane	< 1.00 ug/L	< 1.00 ug/L	
			Trichlorofluoromethane	< 1.00 ug/L	< 1.00 ug/L	
			1,1-Dichloroethene (CCC/MS)	< 1.00 ug/L	< 1.00 ug/L	
			Methylene Chloride	< 1.00 ug/L	< 1.00 ug/L	
			trans-1,2-Dichloroethene	< 1.00 ug/L	< 1.00 ug/L	
			1,1-Dichloroethane (SPCC)	< 1.00 ug/L	< 1.00 ug/L	
			2,2-Dichloropropane	< 1.00 ug/L	< 1.00 ug/L	
			cis-1,2-Dichloroethene	< 1.00 ug/L	< 1.00 ug/L	
			Chloroform (CCC)	< 1.00 ug/L	< 1.00 ug/L	
			Bromochloromethane	< 1.00 ug/L	< 1.00 ug/L	
			tetrahydrofuran	< 1.00 ug/L	< 1.00 ug/L	
			1,1,1-Trichloroethane	< 1.00 ug/L	< 1.00 ug/L	
			1,1-Dichloropropene	< 1.00 ug/L	< 1.00 ug/L	
			4-Methyl-2-pentanone (MIBK) (*)	< 10.00 ug/L	< 10.00 ug/L	
			2-Hexanone (*)	< 10.00 ug/L	< 10.00 ug/L	
			Carbon Tetrachloride	< 1.00 ug/L	< 1.00 ug/L	
			Benzene (MS)	< 1.00 ug/L	< 1.00 ug/L	
			1,2-Dichloroethane	< 1.00 ug/L	< 1.00 ug/L	
			Trichloroethene (MS)	< 1.00 ug/L	< 1.00 ug/L	
			1,2-Dichloropropane (CCC)	< 1.00 ug/L	< 1.00 ug/L	
			Bromodichloromethane	< 1.00 ug/L	< 1.00 ug/L	
			Dibromomethane	< 1.00 ug/L	< 1.00 ug/L	
			cis-1,3-Dichloropropene	< 1.00 ug/L	< 1.00 ug/L	
			Toluene (CCC/MS)	< 1.00 ug/L	< 1.00 ug/L	
			trans-1,3-Dichloropropene	< 1.00 ug/L	< 1.00 ug/L	
			1,1,2-Trichloroethane	< 1.00 ug/L	< 1.00 ug/L	
			Tetrachloroethene	< 1.00 ug/L	< 1.00 ug/L	
			1,3-Dichloropropane	< 1.00 ug/L	< 1.00 ug/L	
			trans-1,4-Dichloro-2-butene (*)	< 10.00 ug/L	< 10.00 ug/L	
			Dibromochloromethane	< 1.00 ug/L	< 1.00 ug/L	
			1,2-Dibromoethane	< 1.00 ug/L	< 1.00 ug/L	
			Chlorobenzene (SPCC/MS)	< 1.00 ug/L	< 1.00 ug/L	
			1,1,1,2-Tetrachloroethane	< 1.00 ug/L	< 1.00 ug/L	
			Ethylbenzene (CCC)	< 1.00 ug/L	< 1.00 ug/L	
			p,m-Xylene	< 1.00 ug/L	< 1.00 ug/L	
			o-Xylene	< 1.00 ug/L	< 1.00 ug/L	
			Styrene	< 1.00 ug/L	< 1.00 ug/L	
			Isopropylbenzene	< 1.00 ug/L	< 1.00 ug/L	
			Bromoform (SPCC)	< 1.00 ug/L	< 1.00 ug/L	
			1,1,2,2-Tetrachloroethane (SPC)	< 1.00 ug/L	< 1.00 ug/L	
			1,2,3-Trichloropropane	< 1.00 ug/L	< 1.00 ug/L	
			n-Propylbenzene	< 1.00 ug/L	< 1.00 ug/L	
			Bromobenzene	< 1.00 ug/L	< 1.00 ug/L	

Form 4: Method Blank Summary

GC Column: VOCOL/L:60m/D:0.53mm

Instrument ID: vol.01.Phyrexia

Level: N/A

Analytical Batch: 041209a.1

Heated Purge: Yes

Concentration Units: ug/L

Filename	Prep Batch	Run Time	Target Compound	Conc.	Sample	Matrix
			1,3,5-Trimethylbenzene	< 1.00 ug/L	< 1.00 ug/L	
			tert-Butylbenzene	< 1.00 ug/L	< 1.00 ug/L	
			1,2,4-Trimethylbenzene	< 1.00 ug/L	< 1.00 ug/L	
			sec-Butylbenzene	< 1.00 ug/L	< 1.00 ug/L	
			p-Isopropyltoluene	< 1.00 ug/L	< 1.00 ug/L	
			1,3-Dichlorobenzene	< 1.00 ug/L	< 1.00 ug/L	
			1,4-Dichlorobenzene	< 1.00 ug/L	< 1.00 ug/L	
			1,2-Dichlorobenzene	< 1.00 ug/L	< 1.00 ug/L	
			n-Butylbenzene	< 1.00 ug/L	< 1.00 ug/L	
			hexachloroethane	< 1.00 ug/L	< 1.00 ug/L	
			1,2-Dibromo-3-Chloropropane	< 10.00 ug/L	< 10.00 ug/L	
			1,2,4-Trichlorobenzene	< 1.00 ug/L	< 1.00 ug/L	
			Hexachlorobutadiene	< 1.00 ug/L	< 1.00 ug/L	
			Naphthalene	< 1.00 ug/L	< 1.00 ug/L	
			1,2,3-Trichlorobenzene	< 1.00 ug/L	< 1.00 ug/L	
			2-Methylnaphthalene	< 10.00 ug/L	< 10.00 ug/L	

KEY:

[Conc.]: Concentration in sample extract/purge volume

[Sample]: Concentration in original sample weight/volume

Form 4: Method Blank Summary - Blank / LCS / Sample Association

GC Column: VOCOL/L:60m/D:0.53mm

Instrument ID: vol.01.Phyrexia

Level: N/A

Method Blank Data File: blkw08r.d

Method Blank Prep Date: 12/09/04

Blank/LCS Preparation Batch: vf041208w1

Analytical Batch: 041209a.1

Heated Purge: Yes

Concentration Units: ug/L

LCS Data File: lcsw08r.d

LCS Prep Date: 12/09/04

Sample ID	Anal. Batch	Prep. Batch	Date	Analysis	Analysis Code
S20000.02	041209A4	VF041208W1	12/09/04	VOCs, TTO List	\$624TTO
S20045.01	041209AL	VF041208W1	12/09/04	Volatile Organics	\$8260W
S20045.02	041209AL	VF041208W1	12/09/04	Volatile Organics	\$8260W
S20045.03	041210A4	VF041208W1	12/10/04	Volatile Organics	\$8260W
S20045.04	041210A4	VF041208W1	12/10/04	Volatile Organics	\$8260W
S20045.05	041210A4	VF041208W1	12/10/04	Volatile Organics	\$8260W
S20045.06	041210A4	VF041208W1	12/10/04	Volatile Organics	\$8260W
S20045.07	041209AL	VF041208W1	12/09/04	Volatile Organics	\$8260W
S20045.08	041209AL	VF041208W1	12/09/04	Volatile Organics	\$8260W
S20045.09	041209AL	VF041208W1	12/09/04	Volatile Organics	\$8260W
S20045.10	041209AL	VF041208W1	12/09/04	Volatile Organics	\$8260W
S20045.11	041209AL	VF041208W1	12/09/04	Volatile Organics	\$8260W
S20045.12	041209AL	VF041208W1	12/10/04	Volatile Organics	\$8260W
S20059.02	041209A4	VF041208W1	12/09/04	VOCs, TTO List	\$624TTO
S20059.04	041209A4	VF041208W1	12/09/04	VOCs, TTO List	\$624TTO
S20066.05	041209AL	VF041208W1	12/10/04	Volatile Organics	\$8260W
S20066.06	041209AL	VF041208W1	12/10/04	Volatile Organics	\$8260W
S20066.07	041209AL	VF041208W1	12/10/04	Gasoline Range Volatile Organics	\$GASW
S20066.08	041209AL	VF041208W1	12/10/04	Gasoline Range Volatile Organics	\$GASW
S20066.09	041209AL	VF041208W1	12/10/04	Volatile Organics	\$8260W

Form 0: GC/MS injection Log - Volatile Organics

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.04.Kavu

Analytical Batch: 041210a.1
Heated Purge: Yes

Index of Applicable Reporting Forms

Form 0: GC/MS Injection Log - Volatile Organics	Form 5: Instrument Performance Check (BFB/DFTPP)
Form 1: GC/MS Data Sheet	Form 6: Initial Calibration Data
Form 2: Surrogate Standard Recoveries	Form 7a: System Performance Compounds Check
Form 3a: Duplicate/Matrix Spike Duplicate Summary	Form 7b: Calibration Check Compounds
Form 3b: Matrix Spike Summary	Form 8: Internal Standard Area and Retention Time Summary
Form 4: Method Blank Summary	Supplemental Forms: Chromatographic Data

Filename	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
bfb10a.d	12/10/04 11:33	bfb 50ng [none]	WW	IP		
bfb10b.d	12/10/04 12:15	bfb 50ng [none]	WW	IP		
spcc10a.d	12/10/04 12:50	[none]	WW	CV		
2004505r.d	12/10/04 13:24	5ml vf041208w1	WW			
2004506r.d	12/10/04 13:57	5ml vf041208w1	WW			
2004503r.d	12/10/04 14:32	20ul vf041208w1	WW			
2004504r.d	12/10/04 15:05	20ul vf041208w1	WW			
2006418.d	12/10/04 15:39	100ul vf041210s1	SO			
2006601.d	12/10/04 16:12	100ul vf041210s1	SO			
2006602.d	12/10/04 16:46	100ul vf041210s1	SO			
2006603.d	12/10/04 17:20	100ul vf041210s1	SO			
2006604.d	12/10/04 17:54	100ul vf041210s1	SO			
2006701.d	12/10/04 18:27	100ul vf041210s1	SO			
2006702.d	12/10/04 19:01	100ul vf041210s1	SO			
2006703.d	12/10/04 19:35	100ul vf041210s1	SO			
2006704.d	12/10/04 20:09	100ul vf041210s1	SO			
2007301.d	12/10/04 20:43	100ul vf041210s1	SO			
2007302.d	12/10/04 21:18	100ul vf041210s1	SO			
blks10a.d	12/10/04 21:50	blank vf041210s1	SO	Bl		
lcss10a.d	12/10/04 22:22	blank ms vf041210s1	SO	MS		
2006704m.d	12/10/04 22:55	ms vf041210s1	SO	MS		

Matrix (Mtx) Summary

Water Samples: 4	Soil Samples: 11
Water Duplicates: 0	Soil Duplicates: 0
Water Spikes: 0	Soil Spikes: 2
Water Blanks: 0	Soil Blanks: 1

QC Sample Type Summary

IP: Instrument Performance
CV: Calibration Verification
MS: Matrix Spike/MS Duplicate
Bl: Blank
Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
R: Reanalyze Sample
S: Surrogate Standard Outlier
C: Concentration Beyond Calibration
T: Exceeds Time Limit
X: Other

Notes Summary

- 1: Raw Data Included (Form 1 + Chromatograms)
- 2: Surrogate Standard Outliers (Form 2): 0
- 3: Matrix Spike Outliers (Form 3b): 0
- 4: CVM Outliers (Forms 7a and 7b): 0
- 5: Internal Standard Outliers (Form 8): 0

Batch Comments

[no comments]

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
 Instrument ID: vol.04.Kavu
 Level: N/A

Analytical Batch: 041210a4.1
 Heated Purge: Yes
 Concentration Units: ug/L

Filename	SSD Compound	Concentration		%Rec.	LCL/UCL	Matrix
		Found/Spiked				
spcc10a.d	4-Bromofluorobenzene	52.1/ 50.0		n/a	78.4/119.6	WW
	1,2-Dichloroethane-D4	53.9/ 50.0		n/a	66.4/124.8	
	Toluene-D8	51.3/ 50.0		n/a	82.5/118.4	
Total Outliers: n/a						
2004505r.d	4-Bromofluorobenzene	52.1/ 50.0		104.1	78.4/119.6	WW
	1,2-Dichloroethane-D4	53.1/ 50.0		106.1	66.4/124.8	
	Toluene-D8	52.4/ 50.0		104.7	82.5/118.4	
Total Outliers: 0						
2004506r.d	4-Bromofluorobenzene	52.6/ 50.0		105.2	78.4/119.6	WW
	1,2-Dichloroethane-D4	48.7/ 50.0		97.4	66.4/124.8	
	Toluene-D8	49.5/ 50.0		98.9	82.5/118.4	
Total Outliers: 0						
2004503r.d	4-Bromofluorobenzene	47.9/ 50.0		95.9	78.4/119.6	WW
	1,2-Dichloroethane-D4	52.5/ 50.0		105.1	66.4/124.8	
	Toluene-D8	49.4/ 50.0		98.8	82.5/118.4	
Total Outliers: 0						
2004504r.d	4-Bromofluorobenzene	49.9/ 50.0		99.8	78.4/119.6	WW
	1,2-Dichloroethane-D4	52.4/ 50.0		104.7	66.4/124.8	
	Toluene-D8	51.0/ 50.0		102.0	82.5/118.4	
Total Outliers: 0						
2006418.d	4-Bromofluorobenzene	50.6/ 50.0		101.3	59.0/122.8	SO
	1,2-Dichloroethane-D4	54.6/ 50.0		109.3	70.0/136.3	
	Toluene-D8	49.5/ 50.0		99.0	84.0/138.0	
Total Outliers: 0						
2006601.d	4-Bromofluorobenzene	48.0/ 50.0		96.1	59.0/122.8	SO
	1,2-Dichloroethane-D4	53.1/ 50.0		106.1	70.0/136.3	
	Toluene-D8	50.9/ 50.0		101.8	84.0/138.0	
Total Outliers: 0						
2006602.d	4-Bromofluorobenzene	50.6/ 50.0		101.1	59.0/122.8	SO
	1,2-Dichloroethane-D4	56.8/ 50.0		113.6	70.0/136.3	
	Toluene-D8	49.6/ 50.0		99.3	84.0/138.0	
Total Outliers: 0						
2006603.d	4-Bromofluorobenzene	50.7/ 50.0		101.5	59.0/122.8	SO
	1,2-Dichloroethane-D4	57.5/ 50.0		114.9	70.0/136.3	
	Toluene-D8	52.0/ 50.0		104.0	84.0/138.0	
Total Outliers: 0						
2006604.d	4-Bromofluorobenzene	50.0/ 50.0		99.9	59.0/122.8	SO
	1,2-Dichloroethane-D4	55.8/ 50.0		111.7	70.0/136.3	
	Toluene-D8	49.1/ 50.0		98.2	84.0/138.0	
Total Outliers: 0						
2006701.d	4-Bromofluorobenzene	50.4/ 50.0		100.9	59.0/122.8	SO
	1,2-Dichloroethane-D4	57.8/ 50.0		115.6	70.0/136.3	
	Toluene-D8	49.1/ 50.0		98.2	84.0/138.0	
Total Outliers: 0						
2006702.d	4-Bromofluorobenzene	49.9/ 50.0		99.8	59.0/122.8	SO
	1,2-Dichloroethane-D4	57.2/ 50.0		114.5	70.0/136.3	
	Toluene-D8	50.4/ 50.0		100.7	84.0/138.0	
Total Outliers: 0						

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: VOCOL/L:60m/D:0.53mm
 Instrument ID: vol.04.Kavu
 Level: N/A

Analytical Batch: 041210a4.1
 Heated Purge: Yes
 Concentration Units: ug/L

Filename	SSD Compound	Concentration		%Rec.	LCL/UCL	Matrix
		Found/Spiked				
2006703.d	4-Bromofluorobenzene	51.1/ 50.0		102.2	59.0/122.8	SO
	1,2-Dichloroethane-D4	55.5/ 50.0		111.0	70.0/136.3	
	Toluene-D8	51.8/ 50.0		103.7	84.0/138.0	
Total Outliers: 0						
2006704.d	4-Bromofluorobenzene	52.1/ 50.0		104.1	59.0/122.8	SO
	1,2-Dichloroethane-D4	57.5/ 50.0		115.0	70.0/136.3	
	Toluene-D8	50.3/ 50.0		100.5	84.0/138.0	
Total Outliers: 0						
2007301.d	4-Bromofluorobenzene	50.8/ 50.0		101.6	59.0/122.8	SO
	1,2-Dichloroethane-D4	55.0/ 50.0		109.9	70.0/136.3	
	Toluene-D8	52.1/ 50.0		104.3	84.0/138.0	
Total Outliers: 0						
2007302.d	4-Bromofluorobenzene	55.8/ 50.0		111.5	59.0/122.8	SO
	1,2-Dichloroethane-D4	53.5/ 50.0		106.9	70.0/136.3	
	Toluene-D8	53.5/ 50.0		107.0	84.0/138.0	
Total Outliers: 0						
blks10a.d	4-Bromofluorobenzene	50.2/ 50.0		100.4	59.0/122.8	SO
	1,2-Dichloroethane-D4	55.5/ 50.0		111.1	70.0/136.3	
	Toluene-D8	52.4/ 50.0		104.9	84.0/138.0	
Total Outliers: 0						
lcss10a.d	4-Bromofluorobenzene	51.6/ 50.0		103.2	59.0/122.8	SO
	1,2-Dichloroethane-D4	60.2/ 50.0		120.3	70.0/136.3	
	Toluene-D8	53.4/ 50.0		106.7	84.0/138.0	
Total Outliers: 0						
2006704m.d	4-Bromofluorobenzene	52.0/ 50.0		104.0	59.0/122.8	SO
	1,2-Dichloroethane-D4	61.5/ 50.0		122.9	70.0/136.3	
	Toluene-D8	53.5/ 50.0		107.1	84.0/138.0	
Total Outliers: 0						

NOTES

- *: Surrogate recovery outside of laboratory-established control limits
- n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 3b: Matrix Spike Summary

GC Column: VOCOL/L:60m/D:0.53mm
 Instrument ID: vol.04.Kavu

Analytical Batch: 041210a4.1
 Heated Purge: Yes
 Concentration Units: ug/L

File Name	Sample Name	Target Compound	MS/Samp Conc.	SP Amt.	%Rec	LCL/UCL	Mat.
lcsl10a.d	blks10a.d	Benzene	30.95/ 0.00	25.00	123.8	66.0/142.0	SO
		Chlorobenzene	29.04/ 0.00	25.00	116.2	60.0/133.0	
		1,1-Dichloroethene	28.27/ 0.00	25.00	113.1	59.0/172.0	
		Trichloroethene	30.03/ 0.00	25.00	120.1	62.0/137.0	
		Toluene	30.89/ 0.00	25.00	123.6	59.0/139.0	
Spike Preparation Batch: vf041210s1						Total Outliers: 0	
2006704m.d	2006704.d	Benzene	31.46/ 0.00	25.00	125.8	66.0/142.0	SO
		Chlorobenzene	30.07/ 0.00	25.00	120.3	60.0/133.0	
		1,1-Dichloroethene	30.29/ 0.00	25.00	121.2	59.0/172.0	
		Trichloroethene	29.33/ 0.00	25.00	117.3	62.0/137.0	
		Toluene	31.04/ 0.00	25.00	124.2	59.0/139.0	
Spike Preparation Batch: vf041210s1						Total Outliers: 0	

NOTES

*: LCS/Matrix Spike recovery outside of laboratory-established control limits

Form 4: Method Blank Summary

GC Column: VOCOL/L:60m/D:0.53mm
 Instrument ID: vol.04.Kavu
 Level: N/A

Analytical Batch: 041210a4.1
 Heated Purge: Yes
 Concentration Units: ug/L

Filename	Prep Batch	Run Time	Target Compound	Conc.	Sample	Matrix
blks10a.d	vf041210s1	12/10/04 21:50	Diethyl ether (*)	< 1.00 ug/L	< 50 ug/kg	SO
			Acetone (*)	< 10.00 ug/L	< 500 ug/kg	
			Methyl iodide (iodomethane) (*)	< 1.00 ug/L	< 50 ug/kg	
			Carbon disulfide (*)	< 1.00 ug/L	< 50 ug/kg	
			tert-Methyl butyl ether (MTBE)	< 1.00 ug/L	< 50 ug/kg	
			Acrylonitrile (*)	< 10.00 ug/L	< 500 ug/kg	
			2-Butanone (MEK) (*)	< 10.00 ug/L	< 500 ug/kg	
			Dichlorodifluoromethane	< 1.00 ug/L	< 50 ug/kg	
			Chloromethane (SPCC)	< 1.00 ug/L	< 50 ug/kg	
			Vinyl Chloride (CCC)	< 1.00 ug/L	< 50 ug/kg	
			Bromomethane	< 1.00 ug/L	< 50 ug/kg	
			Chloroethane	< 1.00 ug/L	< 50 ug/kg	
			Trichlorofluoromethane	< 1.00 ug/L	< 50 ug/kg	
			1,1-Dichloroethene (CCC/MS)	< 1.00 ug/L	< 50 ug/kg	
			Methylene Chloride	< 1.00 ug/L	< 50 ug/kg	
			trans-1,2-Dichloroethene	< 1.00 ug/L	< 50 ug/kg	
			1,1-Dichloroethane (SPCC)	< 1.00 ug/L	< 50 ug/kg	
			cis-1,2-Dichloroethene	< 1.00 ug/L	< 50 ug/kg	
			tetrahydrofuran	< 10.00 ug/L	< 500 ug/kg	
			Chloroform (CCC)	< 1.00 ug/L	< 50 ug/kg	
			Bromochloromethane	< 1.00 ug/L	< 50 ug/kg	
			1,1,1-Trichloroethane	< 1.00 ug/L	< 50 ug/kg	
			1,1-Dichloropropene	< 1.00 ug/L	< 50 ug/kg	
			4-Methyl-2-pentanone (MIBK) (*)	< 1.00 ug/L	< 50 ug/kg	
			2-Hexanone (*)	< 1.00 ug/L	< 50 ug/kg	
			Carbon Tetrachloride	< 1.00 ug/L	< 50 ug/kg	
			Benzene (MS)	< 1.00 ug/L	< 50 ug/kg	
			1,2-Dichloroethane	< 1.00 ug/L	< 50 ug/kg	
			Trichloroethene (MS)	< 1.00 ug/L	< 50 ug/kg	
			1,2-Dichloropropane (CCC)	< 1.00 ug/L	< 50 ug/kg	
			Bromodichloromethane	< 1.00 ug/L	< 50 ug/kg	
			Dibromomethane	< 1.00 ug/L	< 50 ug/kg	
			cis-1,3-Dichloropropene	< 1.00 ug/L	< 50 ug/kg	
			Toluene (CCC/MS)	< 1.00 ug/L	< 50 ug/kg	
			trans-1,3-Dichloropropene	< 1.00 ug/L	< 50 ug/kg	
			1,1,2-Trichloroethane	< 1.00 ug/L	< 50 ug/kg	
			Tetrachloroethene	< 1.00 ug/L	< 50 ug/kg	
			Dibromochloromethane	< 1.00 ug/L	< 50 ug/kg	
			1,2-Dibromoethane	< 1.00 ug/L	< 50 ug/kg	
			Chlorobenzene (SPCC/MS)	< 1.00 ug/L	< 50 ug/kg	
			1,1,1,2-Tetrachloroethane	< 1.00 ug/L	< 50 ug/kg	
			Ethylbenzene (CCC)	< 1.00 ug/L	< 50 ug/kg	
			p,m-Xylene	< 1.00 ug/L	< 50 ug/kg	
			o-Xylene	< 1.00 ug/L	< 50 ug/kg	
			Styrene	< 1.00 ug/L	< 50 ug/kg	
			Isopropylbenzene	< 1.00 ug/L	< 50 ug/kg	
			Bromoform (SPCC)	< 1.00 ug/L	< 50 ug/kg	
			1,1,2,2-Tetrachloroethane (SPC)	< 1.00 ug/L	< 50 ug/kg	
			1,2,3-Trichloropropane	< 1.00 ug/L	< 50 ug/kg	
			n-Propylbenzene	< 1.00 ug/L	< 50 ug/kg	
			Bromobenzene	< 1.00 ug/L	< 50 ug/kg	
			1,3,5-Trimethylbenzene	< 1.00 ug/L	< 50 ug/kg	
			tert-Butylbenzene	< 1.00 ug/L	< 50 ug/kg	
			1,2,4-Trimethylbenzene	< 1.00 ug/L	< 50 ug/kg	

Form 4: Method Blank Summary

GC Column: VOCOL/L:60m/D:0.53mm
Instrument ID: vol.04.Kavu
Level: N/A

Analytical Batch: 041210a4.1
Heated Purge: Yes
Concentration Units: ug/L

Filename	Prep Batch	Run Time	Target Compound	Conc.	Sample	Matrix
			sec-Butylbenzene	< 1.00 ug/L	< 50 ug/kg	
			p-Isopropyltoluene	< 1.00 ug/L	< 50 ug/kg	
			1,3-Dichlorobenzene	< 1.00 ug/L	< 50 ug/kg	
			1,4-Dichlorobenzene	< 1.00 ug/L	< 50 ug/kg	
			1,2-Dichlorobenzene	< 1.00 ug/L	< 50 ug/kg	
			n-Butylbenzene	< 1.00 ug/L	< 50 ug/kg	
			Hexachloroethane	< 1.00 ug/L	< 50 ug/kg	
			1,2-Dibromo-3-Chloropropane	< 10.00 ug/L	< 500 ug/kg	
			1,2,4-Trichlorobenzene	< 1.00 ug/L	< 50 ug/kg	
			Hexachlorobutadiene	< 1.00 ug/L	< 50 ug/kg	
			Naphthalene	< 1.00 ug/L	< 50 ug/kg	
			2-Methylnaphthalene	< 1.00 ug/L	< 50 ug/kg	

KEY:

[Conc.]: Concentration in sample extract/purge volume

[Sample]: Concentration in original sample weight/volume

Form 4: Method Blank Summary - Blank / LCS / Sample Association

GC Column: VOCOL/L:60m/D:0.53mm

Instrument ID: vol.04.Kavu

Level: N/A

Method Blank Data File: blks10a.d

Method Blank Prep Date: 12/10/04

Blank/LCS Preparation Batch: vf041210s1

Analytical Batch: 041210a4.1

Heated Purge: Yes

Concentration Units: ug/L

LCS Data File: lcss10a.d

LCS Prep Date: 12/10/04

Sample ID	Anal. Batch	Prep. Batch	Date	Analysis	Analysis Code
S20064.18	041210A4	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20066.01	041210A4	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20066.02	041210A4	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20066.03	041210A4	VF041210S1	12/10/04	Gasoline Range Volatile Organics - Soil	\$GASS
S20066.04	041210A4	VF041210S1	12/10/04	Gasoline Range Volatile Organics - Soil	\$GASS
S20067.01	041210A4	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20067.02	041210A4	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20067.03	041210A4	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20067.04	041210A4	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20068.01	041210AL	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20068.02	041210AL	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20068.03	041210AL	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20068.04	041210AL	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20068.05	041210AL	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20068.06	041210AL	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20068.07	041210AL	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20068.08	041210AL	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20068.09	041210AL	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20073.01	041210A4	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260
S20073.02	041210A4	VF041210S1	12/10/04	Volatile Organics - 5035	\$58260

Form 0: GC/MS injection Log - Semi-Volatile Organics

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: m041214.1
Heated Purge: N/A

Index of Applicable Reporting Forms

Form 0: GC/MS Injection Log - Semi-Volatile Organics	Form 5: Instrument Performance Check (BFB/DFTPP)
Form 1: GC/MS Data Sheet	Form 6: Initial Calibration Data
Form 2: Surrogate Standard Recoveries	Form 7a: System Performance Compounds Check
Form 3a: Duplicate/Matrix Spike Duplicate Summary	Form 7b: Calibration Check Compounds
Form 3b: Matrix Spike Summary	Form 8: Internal Standard Area and Retention Time Summary
Form 4: Method Blank Summary	Supplemental Forms: Chromatographic Data

Filename	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
d14a.d	12/14/04 13:04	DFTPP STD (041201) [none]	WW	IP		
spcc14a.d	12/14/04 13:48	DFTPP STD (041201) [none]	WW	CV		
lcs14a.d	12/14/04 14:30	LCS sf041208w67	WW	MS		
blk14a.d	12/14/04 15:13	BLK sf041208w67	WW	Bl		
blk14am.d	12/14/04 15:56	sf041208w67	WW	MS		
blk14an.d	12/14/04 16:39	sf041208w67	WW	MS		
d15a.d	12/15/04 07:01	DFTPP STD (041201) [none]	WW	IP		
spcc15a.d	12/15/04 07:41	spcc [none]	WW	CV		
2013301.d	12/15/04 12:42	TCLP 1000ml/ml df:6 sf041208w67	WW			
2013302.d	12/15/04 13:47	TCLP 1000ml/ml df:6 sf041208w67	WW			
2013303.d	12/15/04 14:30	TCLP 1000ml/ml df:6 sf041208w67	WW			5
2005901.d	12/15/04 15:13	625 860ml/ml df:1 sf041203w66	WW		2	
2005903.d	12/15/04 15:56	625 860ml/ml df:1 sf041203w66	WW			
2001007.d	12/15/04 16:39	tclp 1000ml/ml df:6 sf041203w66	WW			
2001006.d	12/15/04 17:22	tclp 1000ml/ml df:30 sf041203w66	WW			
2014401.d	12/15/04 18:05	TCLP 300ml/ml df:6 sf041208w67	WW		2	
2004403.d	12/15/04 18:48	cresol 930ml/ml df:1 sf041203w66	WW			

Matrix (Mtx) Summary

Water Samples: 9	Soil Samples: 0
Water Duplicates: 1	Soil Duplicates: 0
Water Spikes: 3	Soil Spikes: 0
Water Blanks: 1	Soil Blanks: 0

QC Sample Type Summary

IP: Instrument Performance
CV: Calibration Verification
MS: Matrix Spike/MS Duplicate
Bl: Blank
Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
R: Reanalyze Sample
S: Surrogate Standard Outlier
C: Concentration Beyond Calibration
T: Exceeds Time Limit
X: Other

Notes Summary

- 1: Raw Data Included (Form 1 + Chromatograms)
- 2: Surrogate Standard Outliers (Form 2): 2
- 3: Matrix Spike Outliers (Form 3b): 0
- 4: CVM Outliers (Forms 7a and 7b): 0
- 5: Internal Standard Outliers (Form 8): 1

Batch Comments

[no comments]

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041214.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
spcc14a.d	2-Fluorophenol	51.0/100.0	n/a	10.0/110.0	WW
	2-Fluorobiphenyl	51.3/100.0	n/a	10.0/116.0	
	Nitrobenzene-D5	51.5/100.0	n/a	10.0/114.0	
	Phenol-D5	51.2/100.0	n/a	10.0/110.0	
	2,4,6-Tribromophenol	51.1/100.0	n/a	10.0/123.0	
	Terphenyl-D14	53.9/100.0	n/a	10.0/141.0	
Total Outliers: n/a					
lcs14a.d	2-Fluorophenol	75.7/100.0	75.7	10.0/110.0	WW
	2-Fluorobiphenyl	102.2/100.0	102.2	10.0/116.0	
	Nitrobenzene-D5	101.1/100.0	101.1	10.0/114.0	
	Phenol-D5	46.4/100.0	46.4	10.0/110.0	
	2,4,6-Tribromophenol	103.5/100.0	103.5	10.0/123.0	
	Terphenyl-D14	122.5/100.0	122.5	10.0/141.0	
Total Outliers: 0					
blk14a.d	2-Fluorophenol	61.8/100.0	61.8	10.0/110.0	WW
	2-Fluorobiphenyl	83.9/100.0	83.9	10.0/116.0	
	Nitrobenzene-D5	82.8/100.0	82.8	10.0/114.0	
	Phenol-D5	37.5/100.0	37.5	10.0/110.0	
	2,4,6-Tribromophenol	83.4/100.0	83.4	10.0/123.0	
	Terphenyl-D14	99.8/100.0	99.8	10.0/141.0	
Total Outliers: 0					
blk14am.d	2-Fluorophenol	65.3/100.0	65.3	10.0/110.0	WW
	2-Fluorobiphenyl	85.9/100.0	85.9	10.0/116.0	
	Nitrobenzene-D5	84.4/100.0	84.4	10.0/114.0	
	Phenol-D5	41.3/100.0	41.3	10.0/110.0	
	2,4,6-Tribromophenol	89.2/100.0	89.2	10.0/123.0	
	Terphenyl-D14	99.7/100.0	99.7	10.0/141.0	
Total Outliers: 0					
blk14an.d	2-Fluorophenol	72.9/100.0	72.9	10.0/110.0	WW
	2-Fluorobiphenyl	97.9/100.0	97.9	10.0/116.0	
	Nitrobenzene-D5	96.0/100.0	96.0	10.0/114.0	
	Phenol-D5	46.0/100.0	46.0	10.0/110.0	
	2,4,6-Tribromophenol	99.9/100.0	99.9	10.0/123.0	
	Terphenyl-D14	114.1/100.0	114.1	10.0/141.0	
Total Outliers: 0					
spcc15a.d	2-Fluorophenol	51.7/100.0	n/a	10.0/110.0	WW
	2-Fluorobiphenyl	51.4/100.0	n/a	10.0/116.0	
	Nitrobenzene-D5	51.6/100.0	n/a	10.0/114.0	
	Phenol-D5	51.3/100.0	n/a	10.0/110.0	
	2,4,6-Tribromophenol	52.3/100.0	n/a	10.0/123.0	
	Terphenyl-D14	55.4/100.0	n/a	10.0/141.0	
Total Outliers: n/a					
2013301.d	2-Fluorophenol	46.8/100.0	46.8	10.0/110.0	WW
	2-Fluorobiphenyl	64.9/100.0	64.9	10.0/116.0	
	Nitrobenzene-D5	60.2/100.0	60.2	10.0/114.0	
	Phenol-D5	29.4/100.0	29.4	10.0/110.0	
	2,4,6-Tribromophenol	60.4/100.0	60.4	10.0/123.0	
	Terphenyl-D14	76.1/100.0	76.1	10.0/141.0	
Total Outliers: 0					

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041214.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
2013302.d	2-Fluorophenol	57.1/100.0	57.1	10.0/110.0	WW
	2-Fluorobiphenyl	82.1/100.0	82.1	10.0/116.0	
	Nitrobenzene-D5	77.5/100.0	77.5	10.0/114.0	
	Phenol-D5	35.0/100.0	35.0	10.0/110.0	
	2,4,6-Tribromophenol	74.1/100.0	74.1	10.0/123.0	
	Terphenyl-D14	93.9/100.0	93.9	10.0/141.0	
Total Outliers: 0					
2013303.d	2-Fluorophenol	54.8/100.0	54.8	10.0/110.0	WW
	2-Fluorobiphenyl	75.4/100.0	75.4	10.0/116.0	
	Nitrobenzene-D5	75.0/100.0	75.0	10.0/114.0	
	Phenol-D5	32.6/100.0	32.6	10.0/110.0	
	2,4,6-Tribromophenol	68.9/100.0	68.9	10.0/123.0	
	Terphenyl-D14	87.6/100.0	87.6	10.0/141.0	
Total Outliers: 0					
2005901.d	2-Fluorophenol	25.6/100.0	25.6	10.0/110.0	WW
	2-Fluorobiphenyl	9.6/100.0	9.6 *	10.0/116.0	
	Nitrobenzene-D5	9.7/100.0	9.7 *	10.0/114.0	
	Phenol-D5	18.7/100.0	18.7	10.0/110.0	
	2,4,6-Tribromophenol	8.5/100.0	8.5 *	10.0/123.0	
	Terphenyl-D14	23.0/100.0	23.0	10.0/141.0	
Total Outliers: 3					
2005903.d	2-Fluorophenol	63.3/100.0	63.3	10.0/110.0	WW
	2-Fluorobiphenyl	64.8/100.0	64.8	10.0/116.0	
	Nitrobenzene-D5	62.6/100.0	62.6	10.0/114.0	
	Phenol-D5	46.1/100.0	46.1	10.0/110.0	
	2,4,6-Tribromophenol	71.1/100.0	71.1	10.0/123.0	
	Terphenyl-D14	73.4/100.0	73.4	10.0/141.0	
Total Outliers: 0					
2001007.d	2-Fluorophenol	43.4/100.0	43.4	10.0/110.0	WW
	2-Fluorobiphenyl	52.1/100.0	52.1	10.0/116.0	
	Nitrobenzene-D5	51.0/100.0	51.0	10.0/114.0	
	Phenol-D5	28.3/100.0	28.3	10.0/110.0	
	2,4,6-Tribromophenol	43.8/100.0	43.8	10.0/123.0	
	Terphenyl-D14	55.8/100.0	55.8	10.0/141.0	
Total Outliers: 0					
2001006.d	2-Fluorophenol	2.2/100.0	n/a	10.0/110.0	WW
	2-Fluorobiphenyl	2.7/100.0	n/a	10.0/116.0	
	Nitrobenzene-D5	2.5/100.0	n/a	10.0/114.0	
	Phenol-D5	1.6/100.0	n/a	10.0/110.0	
	2,4,6-Tribromophenol	2.0/100.0	n/a	10.0/123.0	
	Terphenyl-D14	2.8/100.0	n/a	10.0/141.0	
Total Outliers: n/a					
2014401.d	2-Fluorophenol	73.4/100.0	73.4	10.0/110.0	WW
	2-Fluorobiphenyl	83.7/100.0	83.7	10.0/116.0	
	Nitrobenzene-D5	75.4/100.0	75.4	10.0/114.0	
	Phenol-D5	3.0/100.0	3.0 *	10.0/110.0	
	2,4,6-Tribromophenol	76.1/100.0	76.1	10.0/123.0	
	Terphenyl-D14	85.8/100.0	85.8	10.0/141.0	
Total Outliers: 1					

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm

Instrument ID: svol.02.Mishra

Level: LOW

Analytical Batch: m041214.1

Heated Purge: N/A

Concentration Units: mg/L (in extract)

Filename	SSD Compound	Concentration		LCL/UCL	Matrix
		Found/Spiked	%Rec.		
2004403.d	2-Fluorophenol	54.0/100.0	54.0	10.0/110.0	WW
	2-Fluorobiphenyl	72.0/100.0	72.0	10.0/116.0	
	Nitrobenzene-D5	70.4/100.0	70.4	10.0/114.0	
	Phenol-D5	34.4/100.0	34.4	10.0/110.0	
	2,4,6-Tribromophenol	85.0/100.0	85.0	10.0/123.0	
	Terphenyl-D14	91.3/100.0	91.3	10.0/141.0	
					Total Outliers: 0

NOTES

*: Surrogate recovery outside of laboratory-established control limits

n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 3a: Duplicate/Matrix Spike Duplicate Summary

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra

Analytical Batch: m041214.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

File Name	Sample Name	Target Compound	Dup/Samp Conc.	%RPD	Matrix
blk14an.d	blk14am.d	phenol **	27.38/ 24.73	10.2	WW
		2-chlorophenol **	49.11/ 41.77	16.2	
		1,4-dichlorobenzene **	33.64/ 29.85	11.9	
		n-nitrosodi-n-propylamine**	35.72/ 30.93	14.4	
		1,2,4-trichlorobenzene **	37.74/ 31.95	16.6	
		4-chloro-3-methylphenol **	52.96/ 44.37	17.7	
		acenaphthene **	44.05/ 38.02	14.7	
		4-nitrophenol **	33.71/ 31.21	7.7	
		2,4-dinitrotoluene **	44.52/ 37.95	15.9	
		pentachlorophenol **	29.28/ 26.78	8.9	
		low level pentachlorophenol	29.95/ 27.49	8.6	
		di-n-butyl phthalate	1.33/ 1.20	10.3	
		pyrene **	49.14/ 42.13	15.4	
		[end of compound list]			
Total Outliers:					0

Form 3b: Matrix Spike Summary

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: m041214.1
Heated Purge: N/A
Concentration Units: mg/L (in extract)

File Name	Sample Name	Target Compound	MS/Samp	Conc.	SP Amt.	%Rec	LCL/UCL	Mat.
lcs14a.d	blk14a.d	2-Chlorophenol	51.25/	0.00	50.00	102.5	14.0/123.0	WW
		4-Nitrophenol	35.15/	0.00	50.00	70.3	10.0/110.0	
		Acenaphthene	45.42/	0.00	50.00	90.8	26.4/118.0	
		4-Chloro-3-methylphenol	55.29/	0.00	50.00	110.6	20.8/120.7	
		1,4-Dichlorobenzene	35.64/	0.00	50.00	71.3	16.8/110.0	
		2,4-Dinitrotoluene	47.23/	0.00	50.00	94.5	24.0/110.0	
		N-Nitrosodi-n-propylamine	37.43/	0.00	50.00	74.9	31.3/119.6	
		Pentachlorophenol	29.27/	0.00	50.00	58.5	10.0/110.9	
		Phenol	27.27/	0.00	50.00	54.5	10.0/110.0	
		Pyrene	52.37/	0.00	50.00	104.7	23.0/127.5	
		1,2,4-Trichlorobenzene	38.97/	0.00	50.00	77.9	20.5/110.0	
Spike Preparation Batch: sf041208w67							Total Outliers: 0	
blk14am.d	blk14a.d	2-Chlorophenol	41.77/	0.00	50.00	83.5	14.0/123.0	WW
		4-Nitrophenol	31.21/	0.00	50.00	62.4	10.0/110.0	
		Acenaphthene	38.02/	0.00	50.00	76.0	26.4/118.0	
		4-Chloro-3-methylphenol	44.37/	0.00	50.00	88.7	20.8/120.7	
		1,4-Dichlorobenzene	29.85/	0.00	50.00	59.7	16.8/110.0	
		2,4-Dinitrotoluene	37.95/	0.00	50.00	75.9	24.0/110.0	
		N-Nitrosodi-n-propylamine	30.93/	0.00	50.00	61.9	31.3/119.6	
		Pentachlorophenol	26.78/	0.00	50.00	53.6	10.0/110.9	
		Phenol	24.73/	0.00	50.00	49.5	10.0/110.0	
		Pyrene	42.13/	0.00	50.00	84.3	23.0/127.5	
		1,2,4-Trichlorobenzene	31.95/	0.00	50.00	63.9	20.5/110.0	
Spike Preparation Batch: sf041208w67							Total Outliers: 0	
blk14an.d	blk14a.d	2-Chlorophenol	49.11/	0.00	50.00	98.2	14.0/123.0	WW
		4-Nitrophenol	33.71/	0.00	50.00	67.4	10.0/110.0	
		Acenaphthene	44.05/	0.00	50.00	88.1	26.4/118.0	
		4-Chloro-3-methylphenol	52.96/	0.00	50.00	105.9	20.8/120.7	
		1,4-Dichlorobenzene	33.64/	0.00	50.00	67.3	16.8/110.0	
		2,4-Dinitrotoluene	44.52/	0.00	50.00	89.0	24.0/110.0	
		N-Nitrosodi-n-propylamine	35.72/	0.00	50.00	71.4	31.3/119.6	
		Pentachlorophenol	29.28/	0.00	50.00	58.6	10.0/110.9	
		Phenol	27.38/	0.00	50.00	54.8	10.0/110.0	
		Pyrene	49.14/	0.00	50.00	98.3	23.0/127.5	
		1,2,4-Trichlorobenzene	37.74/	0.00	50.00	75.5	20.5/110.0	
Spike Preparation Batch: sf041208w67							Total Outliers: 0	

NOTES

*: LCS/Matrix Spike recovery outside of laboratory-established control limits

Form 4: Method Blank Summary

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041214.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	Prep Batch	Run Time	Target Compound	Conc.	Sample	Matrix
blk14a.d	sf041208w67	12/14/04 15:13	Pyridine	< 4.00 mg/L	< 4.00 ug/L	WW
			N-Nitrosodimethylamine	< 4.00 mg/L	< 4.00 ug/L	
			2-Picoline	< 4.00 mg/L	< 4.00 ug/L	
			Methyl methanesulfonate	< 4.00 mg/L	< 4.00 ug/L	
			Ethyl methanesulfonate	< 4.00 mg/L	< 4.00 ug/L	
			Phenol **	< 4.00 mg/L	< 4.00 ug/L	
			Aniline	< 4.00 mg/L	< 4.00 ug/L	
			2-Chlorophenol **	< 4.00 mg/L	< 4.00 ug/L	
			Bis(2-chloroethyl) ether	< 4.00 mg/L	< 4.00 ug/L	
			1,3-Dichlorobenzene	< 4.00 mg/L	< 4.00 ug/L	
			1,4-Dichlorobenzene **	< 4.00 mg/L	< 4.00 ug/L	
			1,2-Dichlorobenzene	< 4.00 mg/L	< 4.00 ug/L	
			Bis(2-chloroisopropyl) ether	< 4.00 mg/L	< 4.00 ug/L	
			Benzyl Alcohol	< 4.00 mg/L	< 4.00 ug/L	
			Acetophenone	< 4.00 mg/L	< 4.00 ug/L	
			o-Cresol	< 4.00 mg/L	< 4.00 ug/L	
			p,m-Cresol	< 4.00 mg/L	< 4.00 ug/L	
			Hexachloroethane	< 4.00 mg/L	< 4.00 ug/L	
			N-Nitrosodi-n-propylamine**	< 4.00 mg/L	< 4.00 ug/L	
			Nitrobenzene	< 4.00 mg/L	< 4.00 ug/L	
			N-Nitrosopiperidine	< 4.00 mg/L	< 4.00 ug/L	
			Isophorone	< 4.00 mg/L	< 4.00 ug/L	
			2-Nitrophenol	< 4.00 mg/L	< 4.00 ug/L	
			2,4-Dimethylphenol	< 4.00 mg/L	< 4.00 ug/L	
			Bis(2-chloroethoxy)methane	< 4.00 mg/L	< 4.00 ug/L	
			2,4-Dichlorophenol	< 4.00 mg/L	< 4.00 ug/L	
			1,2,4-Trichlorobenzene **	< 4.00 mg/L	< 4.00 ug/L	
			Naphthalene	< 4.00 mg/L	< 4.00 ug/L	
			4-Chloroaniline	< 4.00 mg/L	< 4.00 ug/L	
			2,6-Dichlorophenol	< 4.00 mg/L	< 4.00 ug/L	
			Hexachlorobutadiene	< 4.00 mg/L	< 4.00 ug/L	
			N-Nitroso-di-n-butylamine	< 4.00 mg/L	< 4.00 ug/L	
			4-Chloro-3-methylphenol **	< 4.00 mg/L	< 4.00 ug/L	
			2-Methylnaphthalene	< 4.00 mg/L	< 4.00 ug/L	
			1,2,4,5-Tetrachlorobenzene	< 4.00 mg/L	< 4.00 ug/L	
			Hexachlorocyclopentadiene	< 4.00 mg/L	< 4.00 ug/L	
			2,4,6-Trichlorophenol	< 4.00 mg/L	< 4.00 ug/L	
			2,4,5-Trichlorophenol	< 4.00 mg/L	< 4.00 ug/L	
			1-Chloronaphthalene	< 4.00 mg/L	< 4.00 ug/L	
			2-Chloronaphthalene	< 4.00 mg/L	< 4.00 ug/L	
			2-Nitroaniline	< 4.00 mg/L	< 4.00 ug/L	
			Acenaphthylene	< 4.00 mg/L	< 4.00 ug/L	
			Dimethyl Phthalate	< 4.00 mg/L	< 4.00 ug/L	
			2,6-Dinitrotoluene	< 4.00 mg/L	< 4.00 ug/L	
			3-Nitroaniline	< 4.00 mg/L	< 4.00 ug/L	
			Acenaphthene **	< 4.00 mg/L	< 4.00 ug/L	
			2,4-Dinitrophenol	< 8.00 mg/L	< 8.00 ug/L	
			Dibenzofuran	< 4.00 mg/L	< 4.00 ug/L	
			4-Nitrophenol **	< 4.00 mg/L	< 4.00 ug/L	
			2,4-Dinitrotoluene **	< 4.00 mg/L	< 4.00 ug/L	
			2,3,4,6-Tetrachlorophenol	< 4.00 mg/L	< 4.00 ug/L	
			Fluorene	< 4.00 mg/L	< 4.00 ug/L	
			Diethyl phthalate	< 4.00 mg/L	< 4.00 ug/L	
			4-Chlorophenyl phenyl ether	< 4.00 mg/L	< 4.00 ug/L	

Form 4: Method Blank Summary

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041214.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	Prep Batch	Run Time	Target Compound	Conc.	Sample	Matrix
			4-Nitroaniline	< 4.00 mg/L	< 4.00 ug/L	
			4,6-Dinitro-2-methylphenol	< 4.00 mg/L	< 4.00 ug/L	
			N-Nitrosodiphenylamine	< 4.00 mg/L	< 4.00 ug/L	
			1,2-Diphenylhydrazine	< 4.00 mg/L	< 4.00 ug/L	
			Azobenzene	< 4.00 mg/L	< 4.00 ug/L	
			4-Bromophenyl phenyl ether	< 4.00 mg/L	< 4.00 ug/L	
			1,3,5-Trinitrobenzene	< 4.00 mg/L	< 4.00 ug/L	
			Phenacetin	< 4.00 mg/L	< 4.00 ug/L	
			Hexachlorobenzene	< 4.00 mg/L	< 4.00 ug/L	
			4-Aminobiphenyl	< 4.00 mg/L	< 4.00 ug/L	
			Pentachlorophenol **	< 8.00 mg/L	< 8.00 ug/L	
			Pronamide	< 4.00 mg/L	< 4.00 ug/L	
			Pentachloronitrobenzene	< 4.00 mg/L	< 4.00 ug/L	
			Phenanthrene	< 4.00 mg/L	< 4.00 ug/L	
			Anthracene	< 4.00 mg/L	< 4.00 ug/L	
			di-N-butyl phthalate	< 4.00 mg/L	< 4.00 ug/L	
			Fluoranthene	< 4.00 mg/L	< 4.00 ug/L	
			Benzidine	< 4.00 mg/L	< 4.00 ug/L	
			Pyrene **	< 4.00 mg/L	< 4.00 ug/L	
			p-Dimethylaminoazobenzene	< 4.00 mg/L	< 4.00 ug/L	
			Butyl benzyl phthalate	< 4.00 mg/L	< 4.00 ug/L	
			TCDD	< ***** mg/L	< ***** ug/L	
			Benzo(a)anthracene	< 4.00 mg/L	< 4.00 ug/L	
			3,3'-Dichlorobenzidine	< 4.00 mg/L	< 4.00 ug/L	
			Chrysene	< 4.00 mg/L	< 4.00 ug/L	
			Bis(2-ethylhexyl)phthalate	< 4.00 mg/L	< 4.00 ug/L	
			Di-n-octyl phthalate	< 4.00 mg/L	< 4.00 ug/L	
			Benzo(b)fluoranthene	< 4.00 mg/L	< 4.00 ug/L	
			7,12-Dimethylbenz(a)anthracene	< 4.00 mg/L	< 4.00 ug/L	
			Benzo(k)fluoranthene	< 4.00 mg/L	< 4.00 ug/L	
			Benzo(a)pyrene	< 4.00 mg/L	< 4.00 ug/L	
			3-Methylcholanthrene	< 4.00 mg/L	< 4.00 ug/L	
			Dibenz(a,j)acridine	< 4.00 mg/L	< 4.00 ug/L	
			Indeno(1,2,3-cd)pyrene	< 4.00 mg/L	< 4.00 ug/L	
			Dibenzo(a,h)anthracene	< 4.00 mg/L	< 4.00 ug/L	
			Benzo(ghi)perylene	< 4.00 mg/L	< 4.00 ug/L	

KEY:

[Conc.]: Concentration in sample extract/purge volume

[Sample]: Concentration in original sample weight/volume

Form 4: Method Blank Summary - Blank / LCS / Sample Association

GC Column: DB-5/L:30m/D:0.25mm

Instrument ID: svol.02.Mishra

Level: LOW

Method Blank Data File: blk14a.d

Method Blank Prep Date: 12/14/04

Blank/LCS Preparation Batch: sf041208w67

Analytical Batch: m041214.1

Heated Purge: N/A

Concentration Units: mg/L (in extract)

LCS Data File: lcs14a.d

LCS Prep Date: 12/14/04

Sample ID	Anal. Batch	Prep. Batch	Date	Analysis	Analysis Code
S20041.01	M041220B	SF041208W67	12/21/04	TCLP/SPLP Semi Volatiles	\$TCLPSEM
	SF041208W67		12/08/04	TCLP/SPLP BNA Extraction	1107
S20045.01	M041220B	SF041208W67	12/20/04	GC/MS Semi-Volatile Organics	\$8270W
	SF041208W67		12/08/04	BNA Extraction	1106W
S20045.02	M041220B	SF041208W67	12/20/04	GC/MS Semi-Volatile Organics	\$8270W
	SF041208W67		12/08/04	BNA Extraction	1106W
S20045.03	M041220B	SF041208W67	12/21/04	GC/MS Semi-Volatile Organics	\$8270W
	SF041208W67		12/08/04	BNA Extraction	1106W
S20045.04	M041221	SF041208W67	12/21/04	GC/MS Semi-Volatile Organics	\$8270W
	SF041208W67		12/08/04	BNA Extraction	1106W
S20045.05	M041221	SF041208W67	12/21/04	GC/MS Semi-Volatile Organics	\$8270W
	SF041208W67		12/08/04	BNA Extraction	1106W
S20045.06	M041221	SF041208W67	12/21/04	GC/MS Semi-Volatile Organics	\$8270W
	SF041208W67		12/08/04	BNA Extraction	1106W
S20045.07	M041221	SF041208W67	12/21/04	GC/MS Semi-Volatile Organics	\$8270W
	SF041208W67		12/08/04	BNA Extraction	1106W
S20045.08	M041221	SF041208W67	12/21/04	GC/MS Semi-Volatile Organics	\$8270W
	SF041208W67		12/08/04	BNA Extraction	1106W
S20045.09	M041221	SF041208W67	12/21/04	GC/MS Semi-Volatile Organics	\$8270W
	SF041208W67		12/08/04	BNA Extraction	1106W
S20051.01	SF041208W67	SF041208W67	12/10/04	TCLP/SPLP BNA Extraction	1107
	M041221		12/21/04	SVOCs, TCLP GM Lake Orion Delisting	\$SVOCTCLPORIZON
S20058.01	M041221	SF041208W67	12/21/04	TCLP/SPLP Semi Volatiles	\$TCLPSEM
	SF041208W67		12/10/04	TCLP/SPLP BNA Extraction	1107
S20058.02	M041221	SF041208W67	12/21/04	TCLP/SPLP Semi Volatiles	\$TCLPSEM
	SF041208W67		12/10/04	TCLP/SPLP BNA Extraction	1107
S20058.03	M041221	SF041208W67	12/21/04	TCLP/SPLP Semi Volatiles	\$TCLPSEM
	SF041208W67		12/10/04	TCLP/SPLP BNA Extraction	1107
S20098.01	M041220	SF041208W67	12/20/04	TCLP/SPLP Semi Volatiles	\$TCLPSEM
	SF041208W67		12/13/04	TCLP/SPLP BNA Extraction	1107
S20122.01	SF041208W67		12/10/04	TCLP/SPLP BNA Extraction	1107
S20133.01	SF041208W67		12/13/04	TCLP/SPLP BNA Extraction	1107
S20133.02	SF041208W67		12/13/04	TCLP/SPLP BNA Extraction	1107
S20133.03	SF041208W67		12/13/04	TCLP/SPLP BNA Extraction	1107
S20144.01	SF041208W67		12/10/04	TCLP/SPLP BNA Extraction	1107

Form 0: GC/MS injection Log - Semi-Volatile Organics

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra

Analytical Batch: m041220b.1
 Heated Purge: N/A

Index of Applicable Reporting Forms

Form 0: GC/MS Injection Log - Semi-Volatile Organics	Form 5: Instrument Performance Check (BFB/DFTPP)
Form 1: GC/MS Data Sheet	Form 6: Initial Calibration Data
Form 2: Surrogate Standard Recoveries	Form 7a: System Performance Compounds Check
Form 3a: Duplicate/Matrix Spike Duplicate Summary	Form 7b: Calibration Check Compounds
Form 3b: Matrix Spike Summary	Form 8: Internal Standard Area and Retention Time Summary
Form 4: Method Blank Summary	Supplemental Forms: Chromatographic Data

Filename	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
d20b.d	12/20/04 14:41	DFTPP STD (041201) [none]	WW	IP		
spec20b.d	12/20/04 15:24	BNA std (041110) [none]	WW	CV		
2009201.d	12/20/04 16:50	bna-w 890ml/1ml df:1 sf041213w68	WW			
2015201.d	12/20/04 17:34	bna-w 1000ml/1ml df:1 sf041214w69	WW			
2009502.d	12/20/04 18:16	bna-w 960ml/1ml df:1 sf041213w68	WW			
2009503.d	12/20/04 18:59	bna-w 970ml/1ml df:1 sf041213w68	WW			
2012301.d	12/20/04 19:42	bna-w 680ml/1ml df:1 sf041213w68	WW			
2012501.d	12/20/04 20:25	bna-w 960ml/1ml df:1 sf041213w68	WW			
2015601.d	12/20/04 21:08	bna-w 950ml/1ml df:1 sf041213w68	WW			
2019101.d	12/20/04 21:52	bna-w 900ml/1ml df:1 sf041213w68	WW			5
2004501.d	12/20/04 22:35	bna-w 890ml/1ml df:1 sf041208w67	WW			
2004502.d	12/20/04 23:18	bna-w 910ml/1ml df:1 sf041208w67	WW			
2004503.d	12/21/04 00:01	bna-w 910ml/1ml df:1 sf041208w67	WW			
2001202.d	12/21/04 00:45	bna-s 30g/1ml df:4 sf041108s16	SO			5
2009501.d	12/21/04 01:28	bna-w 940ml/1ml df:10 sf041213w68	WW			2
2004101.d	12/21/04 02:11	bna-w 1000ml/1ml df:10 sf041208w67	WW			
2016101.d	12/21/04 02:55	bna-w 0.5ml/2ml df:400 (0.5135g)	WW			

Matrix (Mtx) Summary

Water Samples:	14	Soil Samples:	1
Water Duplicates:	0	Soil Duplicates:	0
Water Spikes:	0	Soil Spikes:	0
Water Blanks:	0	Soil Blanks:	0

QC Sample Type Summary

IP: Instrument Performance
 CV: Calibration Verification
 MS: Matrix Spike/MS Duplicate
 BI: Blank
 Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
 R: Reanalyze Sample
 S: Surrogate Standard Outlier
 C: Concentration Beyond Calibration
 T: Exceeds Time Limit
 X: Other

Notes Summary

- 1: Raw Data Included (Form 1 + Chromatograms)
- 2: Surrogate Standard Outliers (Form 2): 1
- 3: Matrix Spike Outliers (Form 3b): 0
- 4: CVM Outliers (Forms 7a and 7b): 0
- 5: Internal Standard Outliers (Form 8): 2

Batch Comments

[no comments]

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041220b.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
spcc20b.d	2-Fluorophenol	52.2/100.0	n/a	10.0/110.0	WW
	2-Fluorobiphenyl	52.6/100.0	n/a	10.0/116.0	
	Nitrobenzene-D5	51.6/100.0	n/a	10.0/114.0	
	Phenol-D5	51.8/100.0	n/a	10.0/110.0	
	2,4,6-Tribromophenol	53.2/100.0	n/a	10.0/123.0	
	Terphenyl-D14	49.3/100.0	n/a	10.0/141.0	
Total Outliers: n/a					
2009201.d	2-Fluorophenol	59.9/100.0	59.9	10.0/110.0	WW
	2-Fluorobiphenyl	72.2/100.0	72.2	10.0/116.0	
	Nitrobenzene-D5	80.7/100.0	80.7	10.0/114.0	
	Phenol-D5	47.0/100.0	47.0	10.0/110.0	
	2,4,6-Tribromophenol	78.3/100.0	78.3	10.0/123.0	
	Terphenyl-D14	78.7/100.0	78.7	10.0/141.0	
Total Outliers: 0					
2015201.d	2-Fluorophenol	52.4/100.0	52.4	10.0/110.0	WW
	2-Fluorobiphenyl	70.3/100.0	70.3	10.0/116.0	
	Nitrobenzene-D5	74.5/100.0	74.5	10.0/114.0	
	Phenol-D5	39.6/100.0	39.6	10.0/110.0	
	2,4,6-Tribromophenol	75.3/100.0	75.3	10.0/123.0	
	Terphenyl-D14	75.8/100.0	75.8	10.0/141.0	
Total Outliers: 0					
2009502.d	2-Fluorophenol	53.9/100.0	53.9	10.0/110.0	WW
	2-Fluorobiphenyl	70.9/100.0	70.9	10.0/116.0	
	Nitrobenzene-D5	92.7/100.0	92.7	10.0/114.0	
	Phenol-D5	43.1/100.0	43.1	10.0/110.0	
	2,4,6-Tribromophenol	70.7/100.0	70.7	10.0/123.0	
	Terphenyl-D14	64.8/100.0	64.8	10.0/141.0	
Total Outliers: 0					
2009503.d	2-Fluorophenol	46.5/100.0	46.5	10.0/110.0	WW
	2-Fluorobiphenyl	69.7/100.0	69.7	10.0/116.0	
	Nitrobenzene-D5	89.8/100.0	89.8	10.0/114.0	
	Phenol-D5	32.9/100.0	32.9	10.0/110.0	
	2,4,6-Tribromophenol	71.7/100.0	71.7	10.0/123.0	
	Terphenyl-D14	67.4/100.0	67.4	10.0/141.0	
Total Outliers: 0					
2012301.d	2-Fluorophenol	71.9/100.0	71.9	10.0/110.0	WW
	2-Fluorobiphenyl	63.1/100.0	63.1	10.0/116.0	
	Nitrobenzene-D5	69.6/100.0	69.6	10.0/114.0	
	Phenol-D5	58.7/100.0	58.7	10.0/110.0	
	2,4,6-Tribromophenol	70.3/100.0	70.3	10.0/123.0	
	Terphenyl-D14	89.3/100.0	89.3	10.0/141.0	
Total Outliers: 0					
2012501.d	2-Fluorophenol	61.2/100.0	61.2	10.0/110.0	WW
	2-Fluorobiphenyl	51.1/100.0	51.1	10.0/116.0	
	Nitrobenzene-D5	55.8/100.0	55.8	10.0/114.0	
	Phenol-D5	51.2/100.0	51.2	10.0/110.0	
	2,4,6-Tribromophenol	55.0/100.0	55.0	10.0/123.0	
	Terphenyl-D14	84.9/100.0	84.9	10.0/141.0	
Total Outliers: 0					

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041220b.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
2015601.d	2-Fluorophenol	58.5/100.0	58.5	10.0/110.0	WW
	2-Fluorobiphenyl	53.9/100.0	53.9	10.0/116.0	
	Nitrobenzene-D5	65.7/100.0	65.7	10.0/114.0	
	Phenol-D5	47.1/100.0	47.1	10.0/110.0	
	2,4,6-Tribromophenol	57.8/100.0	57.8	10.0/123.0	
	Terphenyl-D14	82.0/100.0	82.0	10.0/141.0	
Total Outliers: 0					
2019101.d	2-Fluorophenol	57.7/100.0	57.7	10.0/110.0	WW
	2-Fluorobiphenyl	53.1/100.0	53.1	10.0/116.0	
	Nitrobenzene-D5	58.4/100.0	58.4	10.0/114.0	
	Phenol-D5	22.0/100.0	22.0	10.0/110.0	
	2,4,6-Tribromophenol	55.8/100.0	55.8	10.0/123.0	
	Terphenyl-D14	85.1/100.0	85.1	10.0/141.0	
Total Outliers: 0					
2004501.d	2-Fluorophenol	57.7/100.0	57.7	10.0/110.0	WW
	2-Fluorobiphenyl	63.7/100.0	63.7	10.0/116.0	
	Nitrobenzene-D5	73.2/100.0	73.2	10.0/114.0	
	Phenol-D5	44.8/100.0	44.8	10.0/110.0	
	2,4,6-Tribromophenol	69.1/100.0	69.1	10.0/123.0	
	Terphenyl-D14	68.2/100.0	68.2	10.0/141.0	
Total Outliers: 0					
2004502.d	2-Fluorophenol	53.1/100.0	53.1	10.0/110.0	WW
	2-Fluorobiphenyl	65.7/100.0	65.7	10.0/116.0	
	Nitrobenzene-D5	73.1/100.0	73.1	10.0/114.0	
	Phenol-D5	41.2/100.0	41.2	10.0/110.0	
	2,4,6-Tribromophenol	71.8/100.0	71.8	10.0/123.0	
	Terphenyl-D14	71.9/100.0	71.9	10.0/141.0	
Total Outliers: 0					
2004503.d	2-Fluorophenol	51.9/100.0	51.9	10.0/110.0	WW
	2-Fluorobiphenyl	63.8/100.0	63.8	10.0/116.0	
	Nitrobenzene-D5	72.1/100.0	72.1	10.0/114.0	
	Phenol-D5	39.7/100.0	39.7	10.0/110.0	
	2,4,6-Tribromophenol	67.1/100.0	67.1	10.0/123.0	
	Terphenyl-D14	70.8/100.0	70.8	10.0/141.0	
Total Outliers: 0					
2001202.d	2-Fluorophenol	45.9/100.0	45.9	13.2/121.0	SO
	2-Fluorobiphenyl	73.1/100.0	73.1	10.0/115.0	
	Nitrobenzene-D5	62.0/100.0	62.0	18.5/120.0	
	Phenol-D5	18.0/100.0	18.0	16.9/113.0	
	2,4,6-Tribromophenol	51.0/100.0	51.0	13.4/137.0	
	Terphenyl-D14	87.7/100.0	87.7	10.3/137.0	
Total Outliers: 0					
2009501.d	2-Fluorophenol	75.6/100.0	75.6	10.0/110.0	WW
	2-Fluorobiphenyl	116.7/100.0	116.7 *	10.0/116.0	
	Nitrobenzene-D5	102.8/100.0	102.8	10.0/114.0	
	Phenol-D5	60.8/100.0	60.8	10.0/110.0	
	2,4,6-Tribromophenol	111.2/100.0	111.2	10.0/123.0	
	Terphenyl-D14	151.1/100.0	151.1 *	10.0/141.0	
Total Outliers: 2					

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041220b.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	SSD Compound	Concentration		LCL/UCL	Matrix
		Found/Spiked	%Rec.		
2004101.d	2-Fluorophenol	57.7/100.0	57.7	10.0/110.0	WW
	2-Fluorobiphenyl	89.7/100.0	89.7	10.0/116.0	
	Nitrobenzene-D5	82.6/100.0	82.6	10.0/114.0	
	Phenol-D5	51.8/100.0	51.8	10.0/110.0	
	2,4,6-Tribromophenol	80.7/100.0	80.7	10.0/123.0	
	Terphenyl-D14	129.6/100.0	129.6	10.0/141.0	
Total Outliers: 0					
2016101.d	2-Fluorophenol	0.0/100.0	n/a	10.0/110.0	WW
	2-Fluorobiphenyl	0.0/100.0	n/a	10.0/116.0	
	Phenol-D5	0.1/100.0	n/a	10.0/110.0	
	Terphenyl-D14	0.0/100.0	n/a	10.0/141.0	
Total Outliers: n/a					

NOTES

*: Surrogate recovery outside of laboratory-established control limits

n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 0: GC/MS injection Log - Semi-Volatile Organics

GC Column: DB-5/L:30m/D:0.25mm
Instrument ID: svol.02.Mishra

Analytical Batch: m041221.1
Heated Purge: N/A

Index of Applicable Reporting Forms

Form 0: GC/MS Injection Log - Semi-Volatile Organics	Form 5: Instrument Performance Check (BFB/DFTPP)
Form 1: GC/MS Data Sheet	Form 6: Initial Calibration Data
Form 2: Surrogate Standard Recoveries	Form 7a: System Performance Compounds Check
Form 3a: Duplicate/Matrix Spike Duplicate Summary	Form 7b: Calibration Check Compounds
Form 3b: Matrix Spike Summary	Form 8: Internal Standard Area and Retention Time Summary
Form 4: Method Blank Summary	Supplemental Forms: Chromatographic Data

Filename	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
d21a.d	12/21/04 04:56	DFTPP STD (041201) [none]	WW	IP		
spcc21a.d	12/21/04 05:39	BNA std (041110) [none]	WW	CV		
2004504.d	12/21/04 06:22	BNA-w 870ml/ml df:1 sf041208w67	WW			
2004505.d	12/21/04 07:05	BNA-w 910ml/ml df:1 sf041208w67	WW			
2004506.d	12/21/04 07:48	BNA-w 900ml/ml df:1 sf041208w67	WW			
2004507.d	12/21/04 08:32	BNA-w 850ml/ml df:1 sf041208w67	WW			
2004508.d	12/21/04 09:15	BNA-w 910ml/ml df:1 sf041208w67	WW			
2004509.d	12/21/04 09:58	BNA-w 910ml/ml df:1 sf041208w67	WW			
2005101.d	12/21/04 10:41	BNA-w 1000ml/ml df:1 sf041208w67	WW			
2016001.d	12/21/04 11:25	BNA-w 960ml/ml df:1 sf041213w68	WW			
2016002.d	12/21/04 12:08	BNA-w 950ml/ml df:2 sf041213w68	WW			
2005801.d	12/21/04 12:51	BNA-w 300ml/ml df:6 sf041208w67	WW			
2005802.d	12/21/04 13:35	BNA-w 300ml/ml df:6 sf041208w67	WW			
2005803.d	12/21/04 14:18	BNA-w 300ml/ml df:6 sf041208w67	WW			
2012201.d	12/21/04 15:01	BNA-w 1000ml/ml df:6 sf041208w67	WW			
2010701.d	12/21/04 15:42	BNA-w 980ml/ml df:10 sf041213w68	WW			
2010901.d	12/21/04 16:26	BNA-w 1000ml/ml df:20 sf041213w68	WW			
2016101r.d	12/21/04 17:09	BNA-w 0.5ml/2ml df:400 sf041213w68	WW			

Matrix (Mtx) Summary

Water Samples:	16	Soil Samples:	0
Water Duplicates:	0	Soil Duplicates:	0
Water Spikes:	0	Soil Spikes:	0
Water Blanks:	0	Soil Blanks:	0

QC Sample Type Summary

IP: Instrument Performance
CV: Calibration Verification
MS: Matrix Spike/MS Duplicate
Bl: Blank
Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
R: Reanalyze Sample
S: Surrogate Standard Outlier
C: Concentration Beyond Calibration
T: Exceeds Time Limit
X: Other

Notes Summary

- 1: Raw Data Included (Form 1 + Chromatograms)
- 2: Surrogate Standard Outliers (Form 2): 0
- 3: Matrix Spike Outliers (Form 3b): 0
- 4: CVM Outliers (Forms 7a and 7b): 0
- 5: Internal Standard Outliers (Form 8): 0

Batch Comments

[no comments]

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041221.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	SSD Compound	Concentration Found/Spiked	%Rec.	LCL/UCL	Matrix
spcc21a.d	2-Fluorophenol	53.3/100.0	n/a	10.0/110.0	WW
	2-Fluorobiphenyl	51.6/100.0	n/a	10.0/116.0	
	Nitrobenzene-D5	52.7/100.0	n/a	10.0/114.0	
	Phenol-D5	49.0/100.0	n/a	10.0/110.0	
	2,4,6-Tribromophenol	50.1/100.0	n/a	10.0/123.0	
	Terphenyl-D14	49.1/100.0	n/a	10.0/141.0	
Total Outliers: n/a					
2004504.d	2-Fluorophenol	53.0/100.0	53.0	10.0/110.0	WW
	2-Fluorobiphenyl	63.5/100.0	63.5	10.0/116.0	
	Nitrobenzene-D5	70.6/100.0	70.6	10.0/114.0	
	Phenol-D5	41.4/100.0	41.4	10.0/110.0	
	2,4,6-Tribromophenol	66.8/100.0	66.8	10.0/123.0	
	Terphenyl-D14	69.5/100.0	69.5	10.0/141.0	
Total Outliers: 0					
2004505.d	2-Fluorophenol	53.2/100.0	53.2	10.0/110.0	WW
	2-Fluorobiphenyl	62.4/100.0	62.4	10.0/116.0	
	Nitrobenzene-D5	68.6/100.0	68.6	10.0/114.0	
	Phenol-D5	42.0/100.0	42.0	10.0/110.0	
	2,4,6-Tribromophenol	66.3/100.0	66.3	10.0/123.0	
	Terphenyl-D14	67.6/100.0	67.6	10.0/141.0	
Total Outliers: 0					
2004506.d	2-Fluorophenol	54.6/100.0	54.6	10.0/110.0	WW
	2-Fluorobiphenyl	67.5/100.0	67.5	10.0/116.0	
	Nitrobenzene-D5	75.4/100.0	75.4	10.0/114.0	
	Phenol-D5	41.4/100.0	41.4	10.0/110.0	
	2,4,6-Tribromophenol	71.9/100.0	71.9	10.0/123.0	
	Terphenyl-D14	74.4/100.0	74.4	10.0/141.0	
Total Outliers: 0					
2004507.d	2-Fluorophenol	58.3/100.0	58.3	10.0/110.0	WW
	2-Fluorobiphenyl	71.2/100.0	71.2	10.0/116.0	
	Nitrobenzene-D5	80.8/100.0	80.8	10.0/114.0	
	Phenol-D5	45.4/100.0	45.4	10.0/110.0	
	2,4,6-Tribromophenol	74.3/100.0	74.3	10.0/123.0	
	Terphenyl-D14	67.6/100.0	67.6	10.0/141.0	
Total Outliers: 0					
2004508.d	2-Fluorophenol	52.8/100.0	52.8	10.0/110.0	WW
	2-Fluorobiphenyl	69.0/100.0	69.0	10.0/116.0	
	Nitrobenzene-D5	81.4/100.0	81.4	10.0/114.0	
	Phenol-D5	37.4/100.0	37.4	10.0/110.0	
	2,4,6-Tribromophenol	74.2/100.0	74.2	10.0/123.0	
	Terphenyl-D14	77.6/100.0	77.6	10.0/141.0	
Total Outliers: 0					
2004509.d	2-Fluorophenol	57.8/100.0	57.8	10.0/110.0	WW
	2-Fluorobiphenyl	69.8/100.0	69.8	10.0/116.0	
	Nitrobenzene-D5	79.2/100.0	79.2	10.0/114.0	
	Phenol-D5	43.8/100.0	43.8	10.0/110.0	
	2,4,6-Tribromophenol	73.8/100.0	73.8	10.0/123.0	
	Terphenyl-D14	76.4/100.0	76.4	10.0/141.0	
Total Outliers: 0					

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041221.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	SSD Compound	Concentration		LCL/UCL	Matrix
		Found/Spiked	%Rec.		
2005101.d	2-Fluorophenol	53.5/100.0	53.5	10.0/110.0	WW
	2-Fluorobiphenyl	64.7/100.0	64.7	10.0/116.0	
	Nitrobenzene-D5	68.7/100.0	68.7	10.0/114.0	
	Phenol-D5	37.3/100.0	37.3	10.0/110.0	
	2,4,6-Tribromophenol	71.4/100.0	71.4	10.0/123.0	
	Terphenyl-D14	69.7/100.0	69.7	10.0/141.0	
Total Outliers: 0					
2016001.d	2-Fluorophenol	56.1/100.0	56.1	10.0/110.0	WW
	2-Fluorobiphenyl	69.8/100.0	69.8	10.0/116.0	
	Nitrobenzene-D5	83.6/100.0	83.6	10.0/114.0	
	Phenol-D5	40.2/100.0	40.2	10.0/110.0	
	2,4,6-Tribromophenol	59.9/100.0	59.9	10.0/123.0	
	Terphenyl-D14	74.7/100.0	74.7	10.0/141.0	
Total Outliers: 0					
2016002.d	2-Fluorophenol	55.7/100.0	55.7	10.0/110.0	WW
	2-Fluorobiphenyl	84.9/100.0	84.9	10.0/116.0	
	Nitrobenzene-D5	84.1/100.0	84.1	10.0/114.0	
	Phenol-D5	40.9/100.0	40.9	10.0/110.0	
	2,4,6-Tribromophenol	85.9/100.0	85.9	10.0/123.0	
	Terphenyl-D14	102.4/100.0	102.4	10.0/141.0	
Total Outliers: 0					
2005801.d	2-Fluorophenol	19.0/100.0	19.0	10.0/110.0	WW
	2-Fluorobiphenyl	22.1/100.0	22.1	10.0/116.0	
	Nitrobenzene-D5	20.1/100.0	20.1	10.0/114.0	
	Phenol-D5	18.9/100.0	18.9	10.0/110.0	
	2,4,6-Tribromophenol	15.2/100.0	15.2	10.0/123.0	
	Terphenyl-D14	29.7/100.0	29.7	10.0/141.0	
Total Outliers: 0					
2005802.d	2-Fluorophenol	19.0/100.0	19.0	10.0/110.0	WW
	2-Fluorobiphenyl	21.6/100.0	21.6	10.0/116.0	
	Nitrobenzene-D5	19.9/100.0	19.9	10.0/114.0	
	Phenol-D5	18.8/100.0	18.8	10.0/110.0	
	2,4,6-Tribromophenol	13.9/100.0	13.9	10.0/123.0	
	Terphenyl-D14	29.5/100.0	29.5	10.0/141.0	
Total Outliers: 0					
2005803.d	2-Fluorophenol	18.2/100.0	18.2	10.0/110.0	WW
	2-Fluorobiphenyl	19.9/100.0	19.9	10.0/116.0	
	Nitrobenzene-D5	19.1/100.0	19.1	10.0/114.0	
	Phenol-D5	18.2/100.0	18.2	10.0/110.0	
	2,4,6-Tribromophenol	13.2/100.0	13.2	10.0/123.0	
	Terphenyl-D14	27.8/100.0	27.8	10.0/141.0	
Total Outliers: 0					
2012201.d	2-Fluorophenol	92.3/100.0	n/a	10.0/110.0	WW
	2-Fluorobiphenyl	119.5/100.0	n/a	10.0/116.0	
	Nitrobenzene-D5	112.0/100.0	n/a	10.0/114.0	
	Phenol-D5	66.4/100.0	n/a	10.0/110.0	
	2,4,6-Tribromophenol	108.8/100.0	n/a	10.0/123.0	
	Terphenyl-D14	140.3/100.0	n/a	10.0/141.0	
Total Outliers: n/a					

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

GC Column: DB-5/L:30m/D:0.25mm
 Instrument ID: svol.02.Mishra
 Level: LOW

Analytical Batch: m041221.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	SSD Compound	Concentration		LCL/UCL	Matrix
		Found/Spiked	%Rec.		
2010701.d	2-Fluorophenol	35.9/100.0	35.9	10.0/110.0	WW
	2-Fluorobiphenyl	45.4/100.0	45.4	10.0/116.0	
	Nitrobenzene-D5	39.1/100.0	39.1	10.0/114.0	
	Phenol-D5	32.4/100.0	32.4	10.0/110.0	
	2,4,6-Tribromophenol	34.1/100.0	34.1	10.0/123.0	
	Terphenyl-D14	70.9/100.0	70.9	10.0/141.0	
Total Outliers: 0					
2010901.d	2-Fluorophenol	2.4/100.0	n/a	10.0/110.0	WW
	2-Fluorobiphenyl	5.2/100.0	n/a	10.0/116.0	
	Nitrobenzene-D5	4.6/100.0	n/a	10.0/114.0	
	Phenol-D5	2.3/100.0	n/a	10.0/110.0	
	2,4,6-Tribromophenol	4.3/100.0	n/a	10.0/123.0	
	Terphenyl-D14	6.7/100.0	n/a	10.0/141.0	
Total Outliers: n/a					
2016101r.d	2-Fluorophenol	0.0/100.0	n/a	10.0/110.0	WW
	2-Fluorobiphenyl	0.1/100.0	n/a	10.0/116.0	
	Phenol-D5	0.0/100.0	n/a	10.0/110.0	
	Terphenyl-D14	0.0/100.0	n/a	10.0/141.0	
Total Outliers: n/a					

NOTES

*: Surrogate recovery outside of laboratory-established control limits
 n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 0: GC/ECD Injection Log - PCB Aroclor Analysis

Instrument ID: Varian/3400(B)/DB-5
 GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Analytical Batch: e041207.1

Index of Applicable Reporting Forms

Form 0: GC/ECD Injection Log - PCB Aroclor Analysis	Form 4: Method Blank Summary
Form 1: GC/ECD Data Sheet	Form 6: Initial Calibration Data
Form 2: Surrogate Standard Recoveries	Form 7b: Calibration Verification Mixture Summary
Form 3a: Duplicate/Matrix Spike Duplicate Summary	Supplemental Forms: Chromatographic Data
Form 3b: Matrix Spike Summary	

Filename	LIMS ID	Run Time	Sample Comments	Mtx	QC Type	Notes	CA
e041207.01r	sblk-r.01	12/07/04 10:39	SBLK-R.01 04ss02	WW	Bl		
e041207.02r	sblk-w.01	12/07/04 10:55	SBLK-W.01 w/1 ID:041130w70	WW	Bl		
e041207.03r	sblk-w.01	12/07/04 11:12	SBLK-W.01 w/1 ID:041206w71	WW	Bl		
e041207.04r	sc1660.01	12/07/04 11:28	SC1660.01 0.5ppm	WW	CV		
e041207.05r	slcs-w.01	12/07/04 11:47	SLCS-W.01 w/1 ID:041130w70	WW	MS		
e041207.06r	slcs-w.02	12/07/04 12:04	SLCS-W.02 w/1 ID:041130w70	WW			
e041207.07r	slcs-w.01	12/07/04 12:21	SLCS-W.01 w/1 ID:041206w71	WW	MS		
e041207.08r	slcs-w.02	12/07/04 12:37	SLCS-W.02 w/1 ID:041206w71	WW	MS		
e041207.09r	slcs-w.03	12/07/04 12:54	SLCS-W.03 w/1 ID:041206w71	WW	MS Dp		
e041207.10r	ss1242.01	12/07/04 13:10	ss1242.01 0.5ppm	WW			
e041207.11r	s20077.01	12/07/04 13:38	S20077.01 920ml w/1 ID:041207w72	WW			
e041207.12r	s20077.02	12/07/04 13:55	S20077.02 920ml w/1 ID:041207w72	WW			
e041207.13r	s20028.02	12/07/04 14:23	S20028.02 850ml w/1 ID:041206w71	WW			
e041207.14r	s20028.03	12/07/04 14:39	S20028.03 930ml w/1 ID:041206w71	WW			
e041207.15r	s20045.01	12/07/04 14:56	S20045.01 940ml w/1 ID:041206w71	WW			
e041207.17r	s20045.02	12/07/04 15:29	S20045.02 900ml w/1 ID:041206w71	WW			
e041207.18r	s20045.03	12/07/04 15:46	S20045.03 860ml w/1 ID:041206w71	WW			
e041207.19r	s20045.04	12/07/04 16:02	S20045.04 900ml w/1 ID:041206w71	WW			
e041207.20r	s20045.05	12/07/04 16:19	S20045.05 870ml w/1 ID:041206w71	WW			
e041207.21r	s20045.06	12/07/04 16:35	S20045.06 850ml w/1 ID:041206w71	WW			
e041207.22r	ss1660.01	12/07/04 16:52	ss1660.01 0.1ppm	WW			
e041207.23r	s20045.07	12/07/04 17:09	S20045.07 860ml w/1 ID:041206w71	WW			
e041207.24r	s20045.08	12/07/04 17:25	S20045.08 860ml w/1 ID:041206w71	WW			
e041207.25r	s20045.09	12/07/04 17:42	S20045.09 850ml w/1 ID:041206w71	WW			
e041207.26r	s20058.01	12/07/04 17:58	S20058.01 950ml w/1 ID:041206w71	WW			
e041207.27r	s20058.02	12/07/04 18:15	S20058.02 980ml w/1 ID:041206w71	WW			
e041207.28r	s20058.03	12/07/04 18:31	S20058.03 980ml w/1 ID:041206w71	WW			
e041207.29r	ss1660.02	12/07/04 18:48	ss1660.02 0.1ppm	WW			
e041207.30r	sc1660.02	12/07/04 19:05	SC1660.02 0.5ppm	WW	CV		

Matrix (Mtx) Summary

Water Samples:	16	Soil Samples:	0
Water Duplicates:	1	Soil Duplicates:	0
Water Spikes:	4	Soil Spikes:	0
Water Blanks:	3	Soil Blanks:	0

QC Sample Type Summary

CV: Calibration Verification
 MS: Matrix Spike/MS Duplicate
 Bl: Blank
 Dp: Duplicate

Corrective Action (CA) Summary

E: Estimated Result
 R: Reanalyze Sample
 S: Surrogate Standard Outlier
 C: Concentration Beyond Calibration
 T: Exceeds Time Limit
 X: Other

Notes Summary

1: Surrogate Standard Outliers (Form 2): 0
 2: Matrix Spike Outliers (Form 3b): 0
 3: CVM Outliers (Form 7b): 0
 4: Raw Data Included (Form 1+Chromatogram)

Batch Comments

[no comments]

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

Instrument ID: Varian/3400(B)/DB-5
GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Analytical Batch: e041207.1

Filename	LIMS ID	SSD Compound	Found/Spiked	%Rec.	LCL/UCL	Matrix
e041207.01r	sblk-r.01	TCX	7.87/10.00	78.7	34.1/137.1	WW
	*	DCBP	23.59/10.00	235.9	26.6/138.6	
e041207.02r	sblk-w.01	TCX	4.46/10.00	44.6	34.1/137.1	WW
		DCBP	12.64/10.00	126.4	26.6/138.6	
e041207.03r	sblk-w.01	TCX	5.25/10.00	52.5	34.1/137.1	WW
		DCBP	9.08/10.00	90.8	26.6/138.6	
e041207.04r	sc1660.01	TCX	5.83/10.00	n/a	34.1/137.1	WW
		DCBP	12.08/10.00	n/a	26.6/138.6	
e041207.05r	slcs-w.01	TCX	7.09/10.00	70.9	34.1/137.1	WW
		DCBP	12.69/10.00	126.9	26.6/138.6	
e041207.06r	slcs-w.02	TCX	6.79/10.00	67.9	34.1/137.1	WW
		DCBP	10.81/10.00	108.1	26.6/138.6	
e041207.07r	slcs-w.01	TCX	7.50/10.00	75.0	34.1/137.1	WW
		DCBP	11.12/10.00	111.2	26.6/138.6	
e041207.08r	slcs-w.02	TCX	6.88/10.00	68.8	34.1/137.1	WW
		DCBP	10.94/10.00	109.4	26.6/138.6	
e041207.09r	slcs-w.03	TCX	6.29/10.00	62.9	34.1/137.1	WW
		DCBP	11.73/10.00	117.3	26.6/138.6	
e041207.10r	ss1242.01	TCX	5.55/10.00	n/a	34.1/137.1	WW
		DCBP	11.06/10.00	n/a	26.6/138.6	
e041207.11r	s20077.01	TCX	5.15/10.00	51.5	34.1/137.1	WW
		DCBP	7.42/10.00	74.2	26.6/138.6	
e041207.12r	s20077.02	TCX	7.20/10.00	72.0	34.1/137.1	WW
		DCBP	6.51/10.00	65.1	26.6/138.6	
e041207.13r	s20028.02	TCX	7.29/10.00	72.9	34.1/137.1	WW
		DCBP	8.94/10.00	89.4	26.6/138.6	
e041207.14r	s20028.03	TCX	6.64/10.00	66.4	34.1/137.1	WW
		DCBP	9.48/10.00	94.8	26.6/138.6	
e041207.15r	s20045.01	TCX	6.02/10.00	60.2	34.1/137.1	WW
		DCBP	9.66/10.00	96.6	26.6/138.6	
e041207.17r	s20045.02	TCX	7.50/10.00	75.0	34.1/137.1	WW
	*	DCBP	15.54/10.00	155.4	26.6/138.6	
e041207.18r	s20045.03	TCX	7.58/10.00	75.8	34.1/137.1	WW
	*	DCBP	14.67/10.00	146.7	26.6/138.6	
e041207.19r	s20045.04	TCX	5.69/10.00	56.9	34.1/137.1	WW
		DCBP	12.98/10.00	129.8	26.6/138.6	
e041207.20r	s20045.05	TCX	7.37/10.00	73.7	34.1/137.1	WW
		DCBP	13.23/10.00	132.3	26.6/138.6	
e041207.21r	s20045.06	TCX	9.47/10.00	94.7	34.1/137.1	WW
		DCBP	12.74/10.00	127.4	26.6/138.6	
e041207.22r	ss1660.01	TCX	1.59/10.00	n/a	34.1/137.1	WW
		DCBP	4.66/10.00	n/a	26.6/138.6	
e041207.23r	s20045.07	TCX	6.80/10.00	68.0	34.1/137.1	WW
		DCBP	10.72/10.00	107.2	26.6/138.6	
e041207.24r	s20045.08	TCX	7.16/10.00	71.6	34.1/137.1	WW
		DCBP	12.43/10.00	124.3	26.6/138.6	
e041207.25r	s20045.09	TCX	6.44/10.00	64.4	34.1/137.1	WW
		DCBP	12.10/10.00	121.0	26.6/138.6	
e041207.26r	s20058.01	TCX	6.68/10.00	66.8	34.1/137.1	WW
		DCBP	11.62/10.00	116.2	26.6/138.6	

Form 2: Surrogate Standard Recoveries/System Monitoring Compounds

Instrument ID: Varian/3400(B)/DB-5
GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Analytical Batch: e041207.1

<i>Filename</i>	<i>LIMS ID</i>	<i>SSD Compound</i>	<i>Found/Spiked</i>	<i>%Rec.</i>	<i>LCL/UCL</i>	<i>Matrix</i>
e041207.27r	s20058.02	TCX	6.04/10.00	60.4	34.1/137.1	WW
		DCBP	12.36/10.00	123.6	26.6/138.6	
e041207.28r	s20058.03	TCX	6.50/10.00	65.0	34.1/137.1	WW
		DCBP	13.44/10.00	134.4	26.6/138.6	
e041207.29r	ss1660.02	TCX	0.89/10.00	n/a	34.1/137.1	WW
		DCBP	4.44/10.00	n/a	26.6/138.6	
e041207.30r	sc1660.02	TCX	5.79/10.00	n/a	34.1/137.1	WW
		DCBP	11.10/10.00	n/a	26.6/138.6	

NOTES

*: Surrogate recovery outside of laboratory-established control limits
n/a: Surrogate recovery not applicable (diluted run or standard run)

Form 3a: Duplicate/Matrix Spike Duplicate Summary

Instrument ID: Varian/3400(B)/DB-5
 GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Analytical Batch: e041207.1

File Name	LIMS ID	Sample Name	Target Compound	Dup/Samp Conc.	%RPD	Matrix
e041207.08r	slcs-w.02	e041207.07r	1016-1	0.357/ 0.364	1.9	WW
			1016-2	0.350/ 0.363	3.6	
			1016-3	0.346/ 0.357	3.1	
			1016-4	0.374/ 0.383	2.4	
			1016-5	0.313/ 0.330	5.3	
			1260-1	0.350/ 0.298	16.0	
			1260-2	0.309/ 0.299	3.3	
			1260-3	0.256/ 0.264	3.1	
			1260-4	0.242/ 0.247	2.0	
			1260-5	0.251/ 0.248	1.2	
					[end of list]	
e041207.09r	slcs-w.03		1016-1	0.343/ 0.364	5.9	WW
			1016-2	0.334/ 0.363	8.3	
			1016-3	0.331/ 0.357	7.6	
			1016-4	0.356/ 0.383	7.3	
			1016-5	0.300/ 0.330	9.5	
			1260-1	0.312/ 0.298	4.6	
			1260-2	0.408/ 0.299	30.8	
			1260-3	0.249/ 0.264	5.8	
			1260-4	0.245/ 0.247	0.8	
			1260-5	0.281/ 0.248	12.5	
					[end of list]	

Form 3b: Matrix Spike Summary

Instrument ID: Varian/3400(B)/DB-5
 GC Column: DB-5/L:30m/D:0.25mm/F:0.25um

Analytical Batch: e041207.1

File Name	LIMS ID	Sample Name	Target Compound	MS/Samp Conc.	%Rec	LCL/UCL	Mat.
e041207.05r	slcs-w.01	e041207.02r	1016-1	0.329/ 0.000	65.8		WW
			1016-2	0.324/ 0.000	64.8		
			1016-3	0.326/-0.040	73.2		
			1016-4	0.372/-0.005	75.4		
			1016-5	0.330/ 0.000	66.0		
			1260-1	0.335/ 0.000	67.0		
			1260-2	0.338/ 0.104	46.8		
			1260-3	0.318/ 0.000	63.6		
			1260-4	0.321/ 0.000	64.2		
			1260-5	0.316/ 0.000	63.2		
Average Recovery					65.0	59.1/123.7	
e041207.07r	slcs-w.01	e041207.03r	1016-1	0.364/-0.039	80.6		WW
			1016-2	0.363/ 0.000	72.6		
			1016-3	0.357/-0.040	79.4		
			1016-4	0.383/-0.002	77.0		
			1016-5	0.330/ 0.000	66.0		
			1260-1	0.298/ 0.000	59.6		
			1260-2	0.299/ 0.204	19.0		
			1260-3	0.264/ 0.000	52.8		
			1260-4	0.247/ 0.000	49.4		
			1260-5	0.248/ 0.000	49.6		
Average Recovery					60.6	59.1/123.7	
e041207.08r	slcs-w.02	e041207.03r	1016-1	0.357/-0.039	79.2		WW
			1016-2	0.350/ 0.000	70.0		
			1016-3	0.346/-0.040	77.2		
			1016-4	0.374/-0.002	75.2		
			1016-5	0.313/ 0.000	62.6		
			1260-1	0.350/ 0.000	70.0		
			1260-2	0.309/ 0.204	21.0		
			1260-3	0.256/ 0.000	51.2		
			1260-4	0.242/ 0.000	48.4		
			1260-5	0.251/ 0.000	50.2		
Average Recovery					60.5	59.1/123.7	
e041207.09r	slcs-w.03	e041207.03r	1016-1	0.343/-0.039	76.4		WW
			1016-2	0.334/ 0.000	66.8		
			1016-3	0.331/-0.040	74.2		
			1016-4	0.356/-0.002	71.6		
			1016-5	0.300/ 0.000	60.0		
			1260-1	0.312/ 0.000	62.4		
			1260-2	0.408/ 0.204	40.8		
			1260-3	0.249/ 0.000	49.8		
			1260-4	0.245/ 0.000	49.0		
			1260-5	0.281/ 0.000	56.2		
Average Recovery					60.7	59.1/123.7	

NOTES

*: LCS/Matrix Spike recovery outside of laboratory-established control limits

Form 4: Method Blank Summary

GC Column: DB-5/L:30m/D:0.25mm/F:0.25um
 Instrument ID: Varian/3400(B)/DB-5
 Level: LOW

Analytical Batch: e041207.1
 Heated Purge: N/A
 Concentration Units: mg/L (in extract)

Filename	LIMS ID	Run Time	Target Compound	Conc.	Sample	Matrix
e041207.01r	sblk-r.01	12/07/04 10:39	1260-2	0.06 mg/L		WW
			1260-4	-0.01 mg/L		
			[end of list]			
			Total Concentration:	0.00 mg/L		
e041207.02r	sblk-w.01	12/07/04 10:55	1016-3	-0.04 mg/L		WW
			1016-4	-0.01 mg/L		
			1260-2	0.10 mg/L		
			[end of list]			
Total Concentration:	0.01 mg/L	0.01 ug/L				
e041207.03r		12/07/04 11:12	1016-1	-0.04 mg/L		WW
			1016-3	-0.04 mg/L		
			1016-4	0.00 mg/L		
			1260-2	0.20 mg/L		
[end of list]						
Total Concentration:	0.01 mg/L	0.01 ug/L				

KEY:
 [Conc.]: Concentration in sample extract/purge volume
 [Sample]: Concentration in original sample weight/volume

Form 0: Sequence Log

Data Set ID: MT2-04-1210A

Instrument ID: PE ELAN

Analysis Date: 12/10/04

Analyst: PER

Filename	Run Time	Sample ID	Matrix	QC Type
001	12:53:38 Fri	10-Dec-04 Blank	Liquid	
002	12:56:59 Fri	10-Dec-04 Std-0.0005	Liquid	
003	13:00:19 Fri	10-Dec-04 Std-0.005	Liquid	
004	13:03:38 Fri	10-Dec-04 Std-0.020	Liquid	
005	13:06:56 Fri	10-Dec-04 Std-0.050	Liquid	
006	13:10:13 Fri	10-Dec-04 Std-0.20	Liquid	
007	13:13:31 Fri	10-Dec-04 Rinse	Liquid	
008	13:16:51 Fri	10-Dec-04 ICV-0.10	Liquid	ICV
009	13:20:10 Fri	10-Dec-04 ICB	Liquid	ICB
010	13:23:29 Fri	10-Dec-04 BS-0.002	Liquid	BS
011	13:26:48 Fri	10-Dec-04 LCS-0.05	Liquid	LCS
012	13:30:11 Fri	10-Dec-04 LRB	Liquid	LRB
013	13:33:30 Fri	10-Dec-04 20068.01s	Soil	S
014	13:36:47 Fri	10-Dec-04 20068.01 Dil	Soil	DIL
015	13:40:04 Fri	10-Dec-04 20068.02s	Soil	S
016	13:43:21 Fri	10-Dec-04 20068.03s	Soil	S
017	13:46:37 Fri	10-Dec-04 20068.04s	Soil	S
018	13:49:55 Fri	10-Dec-04 20068.05s	Soil	S
019	13:53:13 Fri	10-Dec-04 20068.06s	Soil	S
020	13:56:32 Fri	10-Dec-04 20068.07s	Soil	S
021	13:59:49 Fri	10-Dec-04 20068.08s	Soil	S
022	14:03:06 Fri	10-Dec-04 20068.09s	Soil	S
023	14:06:23 Fri	10-Dec-04 20068.10s	Soil	S
024	14:10:36 Fri	10-Dec-04 20068.10 Dp	Soil	DP
025	14:13:54 Fri	10-Dec-04 20068.10 MS-0.10	Soil	MS
026	14:17:12 Fri	10-Dec-04 CCV1-0.10	Liquid	CCV
027	14:20:31 Fri	10-Dec-04 CCB1	Liquid	CCB
028	14:23:53 Fri	10-Dec-04 LCS-0.05	Liquid	LCS
029	14:27:15 Fri	10-Dec-04 LRB	Liquid	LRB
030	14:30:36 Fri	10-Dec-04 20068.11s	Soil	S
031	14:33:56 Fri	10-Dec-04 20068.12s	Soil	S
032	14:37:14 Fri	10-Dec-04 20068.13s	Soil	S
033	14:40:31 Fri	10-Dec-04 20068.14s	Soil	S
034	14:43:49 Fri	10-Dec-04 20068.15s	Soil	S
035	14:47:07 Fri	10-Dec-04 20068.16s	Soil	S
036	14:50:26 Fri	10-Dec-04 20082.02s	Soil	S
037	14:53:45 Fri	10-Dec-04 20082.03s	Soil	S
038	14:57:05 Fri	10-Dec-04 20082.05s	Soil	S
039	15:00:24 Fri	10-Dec-04 20082.05 Dp	Soil	DP
040	15:03:42 Fri	10-Dec-04 20082.05 MS-0.10	Soil	MS
041	15:07:02 Fri	10-Dec-04 CCB2	Liquid	CCB
042	15:10:21 Fri	10-Dec-04 CCV2-0.10	Liquid	CCV
043	15:13:40 Fri	10-Dec-04 Rinse	Liquid	
044	15:17:02 Fri	10-Dec-04 Solu-AA	Liquid	
045	15:20:23 Fri	10-Dec-04 Solu-AB	Liquid	
046	15:33:20 Fri	10-Dec-04 Solu-AA	Liquid	AA
047	15:36:41 Fri	10-Dec-04 Solu-AB	Liquid	AB
048	15:40:03 Fri	10-Dec-04 Rinse	Liquid	
049	15:56:53 Fri	10-Dec-04 CCV1-0.10	Liquid	CCV
050	16:00:13 Fri	10-Dec-04 CCB1	Liquid	CCB
051	16:03:35 Fri	10-Dec-04 LCS-0.05	Liquid	LCS
052	16:06:57 Fri	10-Dec-04 LRB	Liquid	LRB
053	16:10:17 Fri	10-Dec-04 20042.01s	Liquid	S

Form 0: Sequence Log

Data Set ID: MT2-04-1210A

Instrument ID: PE ELAN

Analysis Date: 12/10/04

Analyst: PER

<i>Filename</i>	<i>Run Time</i>	<i>Sample ID</i>	<i>Matrix</i>	<i>QC Type</i>
054	16:13:32 Fri 10-Dec-04	20045.01s	Liquid	S
055	16:16:49 Fri 10-Dec-04	20045.02s	Liquid	S
056	16:20:06 Fri 10-Dec-04	20045.03s	Liquid	S
057	16:23:23 Fri 10-Dec-04	20045.04s	Liquid	S
058	16:26:41 Fri 10-Dec-04	20045.05s	Liquid	S
059	16:30:00 Fri 10-Dec-04	20045.06s	Liquid	S
060	16:33:17 Fri 10-Dec-04	20045.07s	Liquid	S
061	16:36:34 Fri 10-Dec-04	20045.08s	Liquid	S
062	16:39:51 Fri 10-Dec-04	20045.09s	Liquid	S
063	16:43:08 Fri 10-Dec-04	20045.10s	Liquid	MS
064	16:46:27 Fri 10-Dec-04	20045.10 MS-0.05	Liquid	MSD
065	16:49:45 Fri 10-Dec-04	20045.10 MSD	Liquid	
066	16:53:03 Fri 10-Dec-04	CCV1-0.10	Liquid	CCV

Form 3: Blanks

Data Set ID: MT2-04-1210A

Analysis Date: 12/10/04

Instrument ID: PE ELAN

Analyst: PER

Sample Name	QC Type	Dilute	Element	Sample Conc	Raw Conc	Units	Matrix
009 ICB	ICB	1	Cr	<0.005	-0.000118	mg/L	Liquid
			Cu	<0.005	0.000169		
			Zn	<0.005	0.000101		
			As	<0.002	0.000034		
			Se	<0.005	-0.000202		
			Ag	<0.0005	0.000067		
			Cd	<0.0005	0.000026		
			Ba	<0.01	0.000042		
			Pb	<0.003	0.000031		
012 LRB	LRB	1	Cr	<0.005	-0.000153	mg/L	Liquid
			Cu	<0.005	-0.000043		
			Zn	<0.005	0.000153		
			As	<0.002	-0.000014		
			Se	<0.005	-0.000180		
			Ag	<0.0005	0.000004		
			Cd	<0.0005	-0.000005		
			Ba	<0.01	0.000148		
			Pb	<0.003	-0.000004		
027 CCB1	CCB	1	Cr	<0.005	-0.000238	mg/L	Liquid
			Cu	<0.005	0.000154		
			Zn	<0.005	0.000105		
			As	<0.002	0.000009		
			Se	<0.005	0.000095		
			Ag	<0.0005	0.000071		
			Cd	<0.0005	0.000028		
			Ba	<0.01	0.000051		
			Pb	<0.003	0.000034		
029 LRB	LRB	1	Cr	<0.005	-0.000276	mg/L	Liquid
			Cu	<0.005	-0.000039		
			Zn	<0.005	0.000246		
			As	<0.002	0.000025		
			Se	<0.005	-0.000247		
			Ag	<0.0005	0.000008		
			Cd	<0.0005	-0.000009		
			Ba	<0.01	0.000172		
			Pb	<0.003	-0.000005		
041 CCB2	CCB	1	Cr	<0.005	0.000172	mg/L	Liquid
			Cu	<0.005	0.000135		
			Zn	<0.005	0.000151		
			As	<0.002	0.000091		
			Se	<0.005	0.000054		
			Ag	<0.0005	0.000068		
			Cd	<0.0005	0.000003		
			Ba	<0.01	0.000096		
			Pb	<0.003	0.000038		
050 CCB1	CCB	1	Cr	<0.005	-0.000171	mg/L	Liquid
			Cu	<0.005	0.000168		
			Zn	<0.005	0.000161		
			As	<0.002	0.000013		
			Se	<0.005	0.000148		
			Ag	<0.0005	0.000079		
			Cd	<0.0005	0.000026		
			Ba	<0.01	0.000047		

Form 3: Blanks

Data Set ID: MT2-04-1210A

Instrument ID: PE ELAN

Analysis Date: 12/10/04

Analyst: PER

<i>Sample Name</i>	<i>QC Type</i>	<i>Dilute</i>	<i>Element</i>	<i>Sample Conc</i>	<i>Raw Conc</i>	<i>Units</i>	<i>Matrix</i>
050 CCB1	CCB	1	Pb	<0.003	0.000039	mg/L	Liquid
052 LRB	LRB	1	Cr	<0.005	-0.000218	mg/L	Liquid
			Cu	<0.005	-0.000019		
			Zn	<0.005	0.000489		
			As	<0.002	0.000028		
			Se	<0.005	-0.000108		
			Ag	<0.0005	0.000011		
			Cd	<0.0005	-0.000000		
			Ba	<0.01	0.000265		
			Pb	<0.003	0.000000		

Form 5A: Matrix Spike Sample Recovery

Data Set ID: MT2-04-1210A

Instrument ID: PE ELAN

Analysis Date: 12/10/04

Analyst: PER

Spike Name	Sample Name	Dilute	Element	Spike Conc	Sample Conc	Spike Amount	%Rec	LCL/UCL	Units	Matrix
010 BS-0.002		1	Cr	0.00189	ND	0.002	95	70/130	mg/L	Liquid
			Cu	0.00196	ND	0.002	98	70/130		
			Zn	0.00165	ND	0.002	83	70/130		
			As	0.00198	ND	0.002	99	70/130		
			Se	0.00188	ND	0.002	94	70/130		
			Ag	0.00209	ND	0.002	105	70/130		
			Cd	0.00197	ND	0.002	99	70/130		
			Ba	0.00221	ND	0.002	111	70/130		
			Pb	0.00211	ND	0.002	106	70/130		
025 20068.10	023 20068.10s	210	Cr	21.4	<0.50	21.00	102	70/130	mg/kg	Soil
			Cu	21.1	<1.0	21.00	101	70/130		
			Zn	22.5	1.7	21.00	99	70/130		
			As	21.0	<0.20	21.00	100	70/130		
			Se	20.7	<0.50	21.00	99	70/130		
			Ag	20.97	<0.20	21.00	100	70/130		
			Cd	20.76	<0.05	21.00	99	70/130		
			Ba	23.7	2.9	21.00	99	70/130		
			Pb	21.7	0.77	21.00	100	70/130		
040 20082.05	038 20082.05s	217	Cr	26.1	3.28	21.70	105	70/130	mg/kg	Soil
			Cu	25.5	4.8	21.70	95	70/130		
			Zn	29.4	8.3	21.70	97	70/130		
			As	24.0	0.96	21.70	106	70/130		
			Se	23.5	<0.50	21.70	108	70/130		
			Ag	22.03	<0.20	21.70	102	70/130		
			Cd	22.61	0.07	21.70	104	70/130		
			Ba	63.3	40.7	21.70	104	70/130		
			Pb	25.4	4.08	21.70	98	70/130		
063 20045.10s	062 20045.09s	5	Cr	0.251	<0.005	0.25	100	70/130	mg/L	Liquid
			Cu	0.237	<0.005	0.25	95	70/130		
			Zn	0.245	<0.005	0.25	98	70/130		
			As	0.244	<0.002	0.25	98	70/130		
			Se	0.256	<0.005	0.25	102	70/130		
			Ag	0.2438	<0.0005	0.25	98	70/130		
			Cd	0.2513	<0.0005	0.25	101	70/130		
			Ba	0.291	0.037	0.25	102	70/130		
			Pb	0.239	<0.003	0.25	96	70/130		

Form 5B: Matrix Spike Duplicate Evaluation

Data Set ID: MT2-04-1210A

Instrument ID: PE ELAN

Analysis Date: 12/10/04

Analyst: PER

Duplicate Name	Sample Name	Dilute	Element	Dup Conc	Samp Conc	%RPD	LCL/UCL	Units	Matrix
064 20045.10 MS-0.05 063 20045.10s		5	Cr	0.264	0.251	5	0/20	mg/L	Liquid
			Cu	0.244	0.237	3	0/20		
			Zn	0.259	0.245	6	0/20		
			As	0.257	0.244	5	0/20		
			Se	0.266	0.256	4	0/20		
			Ag	0.2580	0.2438	6	0/20		
			Cd	0.2631	0.2513	5	0/20		
			Ba	0.301	0.291	3	0/20		
			Pb	0.259	0.239	8	0/20		

Form 6: Duplicates

Data Set ID: MT2-04-1210A

Instrument ID: PE ELAN

Analysis Date: 12/10/04

Analyst: PER

Duplicate Name	Sample Name	Dilute	Element	Dup Conc	Samp Conc	%RPD	LCL/UCL	Units	Matrix
024 20068.10 Dp	023 20068.10s	214	Cr	<0.50	<0.50	NC	0/20	mg/kg	Soil
			Cu	<1.0	<1.0	NC	0/20		
			Zn	1.4	1.7	19	0/20		
			As	<0.20	<0.20	NC	0/20		
			Se	<0.50	<0.50	NC	0/20		
			Ag	<0.20	<0.20	NC	0/20		
			Cd	<0.05	<0.05	NC	0/20		
			Ba	2.7	2.9	7	0/20		
			Pb	0.78	0.77	1	0/20		
039 20082.05 Dp	038 20082.05s	213	Cr	4.49	3.28	31*	0/20	mg/kg	Soil
			Cu	5.8	4.8	19	0/20		
			Zn	12.7	8.3	42*	0/20		
			As	0.88	0.96	9	0/20		
			Se	<0.50	<0.50	NC	0/20		
			Ag	<0.20	<0.20	NC	0/20		
			Cd	0.08	0.07	13	0/20		
			Ba	37.3	40.7	9	0/20		
			Pb	4.99	4.08	20	0/20		

Form 7: Laboratory Control Sample

Data Set ID: MT2-04-1210A

Instrument ID: PE ELAN

Analysis Date: 12/10/04

Analyst: PER

Sample Name	Dilute	Element	Sample Conc	Actual Conc	%Rec	LCL/UCL	Units	Matrix
011 LCS-0.05	1	Cr	0.050	0.05	100	85/115	mg/L	Liquid
		Cu	0.048	0.05	96	85/115		
		Zn	0.048	0.05	96	85/115		
		As	0.048	0.05	96	85/115		
		Se	0.048	0.05	96	85/115		
		Ag	0.0490	0.05	98	85/115		
		Cd	0.0487	0.05	97	85/115		
		Pb	0.052	0.05	104	85/115		
028 LCS-0.05	1	Cr	0.051	0.05	102	85/115	mg/L	Liquid
		Cu	0.050	0.05	100	85/115		
		Zn	0.049	0.05	98	85/115		
		As	0.049	0.05	98	85/115		
		Se	0.048	0.05	96	85/115		
		Ag	0.0500	0.05	100	85/115		
		Cd	0.0497	0.05	99	85/115		
		Pb	0.051	0.05	102	85/115		
051 LCS-0.05	1	Cr	0.050	0.05	100	85/115	mg/L	Liquid
		Cu	0.048	0.05	96	85/115		
		Zn	0.048	0.05	96	85/115		
		As	0.047	0.05	94	85/115		
		Se	0.048	0.05	96	85/115		
		Ag	0.0501	0.05	100	85/115		
		Cd	0.0495	0.05	99	85/115		
		Pb	0.052	0.05	104	85/115		

Form 0: Sequence Log

Data Set ID: HG2-04-1207A

Instrument ID: HG QuickTrace

Analysis Date: 12/07/04

Analyst: JRT

Filename	Run Time	Sample ID	Matrix	QC Type
001	12/7/2004 4:36:31 PM	Calibration Blank	Liquid	
002	12/7/2004 4:38:21 PM	Standard #1	Liquid	
003	12/7/2004 4:40:10 PM	Standard #2	Liquid	
004	12/7/2004 4:41:59 PM	Standard #3	Liquid	
005	12/7/2004 4:51:17 PM	Standard #4	Liquid	
006	12/7/2004 4:53:05 PM	Standard #5	Liquid	
007	12/7/2004 4:54:51 PM	Standard #6	Liquid	
008	12/7/2004 5:00:29 PM	ERA P110514 TV= 22.3	Liquid	
009	12/7/2004 5:02:45 PM	ERA P110514 TV= 22.3	Liquid	ERA
010	12/7/2004 5:04:37 PM	ICB	Liquid	ICB
011	12/7/2004 5:06:30 PM	ICV-5.0 ppb	Liquid	ICV
012	12/7/2004 5:08:24 PM	CCV1-2.0 ppb	Liquid	CCV
013	12/7/2004 5:10:18 PM	CCB1	Liquid	CCB
014	12/7/2004 5:12:10 PM	BS-0.10 ppb	Liquid	BS
015	12/7/2004 5:23:53 PM	12/07 LCS1-2.0 ppb	Liquid	LCS
016	12/7/2004 5:32:24 PM	12/07 LRB1	Liquid	LRB
017	12/7/2004 5:34:10 PM	20010.06s tclp	Liquid	S
018	12/7/2004 5:35:56 PM	20045.01s	Liquid	S
019	12/7/2004 5:37:43 PM	20045.02s	Liquid	S
020	12/7/2004 5:39:31 PM	20045.03s	Liquid	S
021	12/7/2004 5:41:19 PM	20045.04s	Liquid	S
022	12/7/2004 5:43:08 PM	20045.05s	Liquid	S
023	12/7/2004 5:44:57 PM	20045.06s	Liquid	S
024	12/7/2004 5:46:44 PM	20045.07s	Liquid	S
025	12/7/2004 5:50:56 PM	20045.08s	Liquid	S
026	12/7/2004 5:52:43 PM	20045.09s	Liquid	S
027	12/7/2004 5:54:32 PM	20045.09 ms-2.0 ppb	Liquid	MS
028	12/7/2004 5:56:21 PM	20045.09 msd-2.0 ppb	Liquid	MSD
029	12/7/2004 5:58:14 PM	CCV2-2.0 ppb	Liquid	CCV
030	12/7/2004 6:00:08 PM	CCB2	Liquid	CCB
031	12/7/2004 6:11:14 PM	12/07 LCS2-2.0 ppb	Liquid	LCS
032	12/7/2004 6:19:29 PM	12/07 LRB2	Liquid	LRB
033	12/7/2004 6:21:18 PM	20009.01s	Soil	S
034	12/7/2004 6:23:08 PM	20010.01s	Soil	S
035	12/7/2004 6:24:56 PM	20010.02s	Soil	S
036	12/7/2004 6:30:25 PM	20010.02s	Soil	S
037	12/7/2004 6:32:13 PM	20010.03s	Soil	S
038	12/7/2004 6:34:01 PM	20010.04s	Soil	S
039	12/7/2004 6:35:50 PM	20010.05s	Soil	S
040	12/7/2004 6:37:40 PM	20010.07s	Soil	S
041	12/7/2004 6:39:30 PM	20010.06s	Soil	S
042	12/7/2004 6:41:21 PM	20010.06 ms-2.0 ppb	Soil	MS
043	12/7/2004 6:43:09 PM	20010.06 msd-2.0 ppb	Soil	MSD
044	12/7/2004 6:45:02 PM	CCV3-2.0 ppb	Liquid	CCV
045	12/7/2004 6:46:56 PM	CCB3	Liquid	CCB

Form 3: Blanks

Data Set ID: HG2-04-1207A

Instrument ID: HG QuickTrace

Analysis Date: 12/07/04

Analyst: JRT

<i>Sample Name</i>	<i>QC Type</i>	<i>Dilute</i>	<i>Element</i>	<i>Sample Conc</i>	<i>Raw Conc</i>	<i>Units</i>	<i>Matrix</i>
010 ICB	ICB	1.0	Hg	<0.05	0.0173	ug/L	Liquid
013 CCB1	CCB	1.0	Hg	<0.05	0.0352	ug/L	Liquid
016 12/07 LRB1	LRB	1.0	Hg	<0.05	0.0458	ug/L	Liquid
030 CCB2	CCB	1.0	Hg	<0.05	0.0358	ug/L	Liquid
032 12/07 LRB2	LRB	1.0	Hg	<0.05	0.0444	ug/L	Liquid
045 CCB3	CCB	1.0	Hg	<0.05	0.0450	ug/L	Liquid

Form 5A: Matrix Spike Sample Recovery

Data Set ID: HG2-04-1207A

Instrument ID: HG QuickTrace

Analysis Date: 12/07/04

Analyst: JRT

<i>Spike Name</i>	<i>Sample Name</i>	<i>Dilute</i>	<i>Element</i>	<i>Spike Conc</i>	<i>Sample Conc</i>	<i>Spike Amount</i>	<i>%Rec</i>	<i>LCL/UCL</i>	<i>Units</i>	<i>Matrix</i>
014 BS-0.10 ppb		1.0	Hg	0.13	ND	0.10	130	70/130	ug/L	Liquid
027 20045.09 ms-2.0	026 20045.09s	1.0	Hg	2.41	<0.2	2.0	121	70/130	ug/L	Liquid
042 20010.06 ms-2.0	041 20010.06s	59.4	Hg	120	<50	118.8	101	70/130	ug/kg	Soil

Form 5B: Matrix Spike Duplicate Evaluation

Data Set ID: HG2-04-1207A

Instrument ID: HG QuickTrace

Analysis Date: 12/07/04

Analyst: JRT

<i>Duplicate Name</i>	<i>Sample Name</i>	<i>Dilute</i>	<i>Element</i>	<i>Dup Conc</i>	<i>Samp Conc</i>	<i>%RPD</i>	<i>LCL/UCL</i>	<i>Units</i>	<i>Matrix</i>
028 20045.09 msd-2.0	027 20045.09 ms-2.0	1.0	Hg	2.34	2.41	3	0/20	ug/L	Liquid
043 20010.06 msd-2.0	042 20010.06 ms-2.0	57.5	Hg	117	120	3	0/20	ug/kg	Soil

Form 7: Laboratory Control Sample

Data Set ID: HG2-04-1207A

Instrument ID: HG QuickTrace

Analysis Date: 12/07/04

Analyst: JRT

<i>Sample Name</i>	<i>Dilute</i>	<i>Element</i>	<i>Sample Conc</i>	<i>Actual Conc</i>	<i>%Rec</i>	<i>LCL/UCL</i>	<i>Units</i>	<i>Matrix</i>
015 12/07 LCS1-2.0 ppb	1.0	Hg	2.01	2.0	101	85/115	ug/L	Liquid
031 12/07 LCS2-2.0 ppb	1.0	Hg	2.17	2.0	109	85/115	ug/L	Liquid

APPENDIX B

FIELD NOTES

CLIENT/SUBJECT Linden Rd Gw sampling W.O. NO. _____

TASK DESCRIPTION GW Sampling 12/2/04 TASK NO. _____

PREPARED BY KL DEPT _____ DATE 12/2/04

MATH CHECK BY _____ DEPT _____ DATE _____

METHOD REV. BY _____ DEPT _____ DATE _____

APPROVED BY	
DEPT _____	DATE _____

800 WESTON (K. Lapham, C. Kotke) onsite to complete well sampling. Start opening wells

930 Wells open. Read gauge readings:

MW ID	Concentration	Notes	DTW
MW-01S	0.0 ppm		10.03'
MW-03S	NA	PFD not working	3.72'
MW-05S	16.2 ppm	0.0 ppm in BZ	5.35'
MW-06S	0.0 ppm		7.79'
MW-07S	0.0 ppm		11.85'
MW-10S	NA	PFD not working	17.03'
MW-11S	"	"	17.47'
MW-12S	"	"	1.39'
MW-13S	"	"	2.30'
MW-14S	"	"	4.41'
MW-15S	"	"	10.08'
M 1	LEL 0%	Methane 7.4%	—
M 2	LEL 0%	Methane 0%	—
M 3	LEL 0%	Methane 1.1%	—
M 4	LEL 0%	Methane 1.8%	—

940 Start collecting water tanks:

1100 Water levels complete. WESTON off site to lunch

1130 WESTON on site, begin water sampling. See sampling sheets.

1730 Sampling complete, MW-06S and PE-01 not sampled. Both went dry after less than 1 min of pumping. Start packaging samples and equipment

1750 WESTON off site to Fed Ex. Samples on ice.

1850 Ship equipment from Lansing Fed Ex. Samples will be held overnight and delivered to Merit Lab on 12/8/04 AM



2680 East Lansing Dr., East Lansing, MI 48823
 Phone (517) 332-0167 Fax (517) 332-6333
 www.meritlabs.com

C.O.C. PAGE # 1 OF 1

026190

REPORT TO **CHAIN OF CUSTODY RECORD** **INVOICE TO**

CONTACT NAME: Babusakumar
 COMPANY: Weston Solutions, Inc
 ADDRESS: 750 Bunker Court
 CITY: Vernon Hills STATE: IL ZIP CODE: 60076
 PHONE NO: 847-918-4000 FAX NO: 847-918-4055 P.O. NO.
 E-MAIL ADDRESS: Babu.Babusakumar@westonsolutions.com QUOTE NO.

CONTACT NAME: SAME
 COMPANY:
 ADDRESS:
 CITY: STATE: ZIP CODE:
 PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: GM - Linden Rd SAMPLER(S) - PLEASE PRINT/SIGN NAME: K. K. Latham F. J. W. / Labo' Kotke in 12

TURNAROUND TIME REQUIRED: 24 HR 48 HR 72 HR STANDARD OTHER

DELIVERABLES REQUIRED: STANDARD LEVEL II LEVEL III OTHER

MATRIX CODE: GW=GROUNDWATER SL=SLUDGE WW=WASTEWATER O=OIL S=SOIL A=AIR L=LIQUID W=WASTE SD=SOLID M=MISC

Containers & Preservatives: VOC SVOC PCB MI 10 Metals

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	POL	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	VOC	SVOC	PCB	MI 10 Metals	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME															
	12/26/04	1620	MW-01S	GW	4	2	1	1					X	X	X	X	(1) 40 mL VOA (2) amber (1) 125 mL plastic
		1510	MW-05S		4	2	1	1									
		1500	MW-05S		4	2	1	1									
		1500	MW-05S DUP		4	2	1	1									
		1705	MW-06S		4	2	1	1									
		1400	MW-10S		4	2	1	1									
		1300	MW-11S		4	2	1	1									
		1235	MW-12S		4	2	1	1									
		1350	MW-13S		4	2	1	1									
		1620	MW-14S		1			1	KL								
		1720	MW-15S		1			1	KL								(1) 40 mL VOA
			Trip Blank		1			1									(1) 40 mL VOA

RELINQUISHED BY: SIGNATURE/ORGANIZATION: F. J. W. DATE: 12/26/04 TIME: 9:30
 RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
 RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
 RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
 RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: 12/26/04 TIME: 9:30
 SEAL NO. SEAL INTACT YES NO INITIALS: NOTES: TEMP. ON ARRIVAL:
 SEAL NO. SEAL INTACT YES NO INITIALS:

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

PROJECT: Linden Rd

TEMPORARY WELL/MONITOR WELL LOW FLOW SAMPLING FIELD DATA SHEET

PROJECT NUMBER: _____

Date	Well ID	Sample Time	Sample ID	Initial Water Level	Time (minutes)	Purge Water Level	pH	Conductivity	Temperature	DO	Redox	Pump Rate (ml/min)	Comments
12/2/04	MW-115	1300	MW-115		1225	0.1	6.48	1.478	10.46	1.90	232.7	200	color: clear
					1228	0.3	6.54	1.471	10.58	2.46	230.7	200	sheen: yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
					1231	0.5	6.56	1.464	10.80	2.14	227.2	200	odor: yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
					1234	0.7	6.67	1.448	11.02	2.51	213.0	200	Sample Method: <u>Peristaltic Pump</u>
					1237	0.9	6.73	1.420	10.87	2.47	209.8	200	Keck Pump
					1240	1.1	6.76	1.419	10.88	2.50	203.6	200	Grundfos Pump
					1243	1.3	6.77	1.409	10.85	2.52	200.0	200	Other:
					1246	1.5	6.78	1.408	10.49	2.70	199.1	200	
Samplers: <u>KL</u>													
12/2/04	MW-105	1400	MW-105		1330	0.1	6.55	2.062	9.58	2.45	57.6	200	
					1333	0.3	6.59	2.067	9.84	2.57	48.9	200	color: clear
					1336	0.5	6.64	2.048	10.21	2.56	20.9	200	sheen: yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
					1339	0.7	6.62	2.003	10.35	2.56	22.5	200	odor: yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
					1342	0.9	6.64	1.937	10.48	2.50	38.8	200	Sample Method: <u>Peristaltic Pump</u>
					1345	1.1	6.64	1.903	10.57	2.44	47.7	200	Keck Pump
					1348	1.3	6.64	1.888	10.58	2.43	49.4	200	Grundfos Pump
					1351	1.5	6.62	1.876	10.59	2.42	52.9	200	Other:
					1354	1.7	6.62	1.872	10.58	2.42	52.7	200	
					Samplers:								
12/2/04	MW-055 & DHP	1500	MW-055 & DHP		1428	0.2	6.58	1.883	10.30	2.65	122.0	200	color: clear
					1431	0.4	6.76	1.478	10.74	2.71	91.9	200	sheen: yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
					1434	0.6	6.76	1.478	10.75	2.58	104.4	200	odor: yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
					1437	0.8	6.49	1.516	10.75	1.84	127.8	200	Sample Method: <u>Peristaltic Pump</u>
					1440	1.0	6.41	1.455	10.83	1.96	132.9	200	Keck Pump
					1443	1.2	6.61	1.458	10.84	1.97	132.4	200	Grundfos Pump
					1446	1.4	6.62	1.460	10.84	1.90	132.5	200	Other:
					1449	1.6	6.62	1.460	10.92	1.88	133.0	200	
					1452	1.8	6.61	1.459	10.94	1.85	132.7	200	
Samplers:													

PROJECT: Linden Rd

TEMPORARY WELL/MONITOR WELL LOW FLOW SAMPLING FIELD DATA SHEET

PROJECT NUMBER: _____

Date	Well ID	Sample Time	Sample ID	Initial Water Level	Time (minutes)	Purge Water Level	pH	Conductivity	Temperature	DO	Redox	Pump Rate (m/min)	Comments					
12/2/04	MW-018	1620	MW-018		1552	0.1	6.19	1.134	9.82	2.06	83.7	200	color: clear					
					1555	0.3	6.31	1.084	9.83	1.95	86.1	200	sheen: yes					
					1558	0.5	6.36	1.043	9.87	1.87	90.0	200	odor: yes					
					1601	0.7	6.38	1.007	9.91	1.80	95.0	200	Sample Method: Peristaltic Pump					
					1604	0.9	6.46	0.966	9.98	1.66	108.0	200	Keck Pump					
					1607	1.1	6.42	0.948	10.00	1.61	110.0	200	Grundfos Pump					
					1610	1.3	6.43	0.917	9.97	1.55	114.9	200	Other:					
					1613	1.5	6.42	0.904	9.97	1.50	113.3	200						
					1616	1.7	6.44	0.897	9.97	1.46	114.2	200	Sampling Comments:					
					Samplers: <u>KL</u>													
12/2/04	MW-065	1705	MW-065		1636	0.1	6.09	1.555	10.17	1.34	100.0	200	color: clear					
					1639	0.3	6.27	1.540	10.25	1.37	124.9	200	sheen: yes					
					1642	0.5	6.37	1.490	10.56	1.36	140.9	200	odor: yes					
					1645	0.7	6.40	1.445	10.65	1.36	151.8	200	Sample Method: Peristaltic Pump					
					1648	0.9	6.41	1.424	10.71	1.26	158.9	200	Keck Pump					
					1651	1.1	6.40	1.388	10.79	1.19	158.4	200	Grundfos Pump					
					1654	1.3	6.39	1.377	10.77	1.18	163.2	200	Other:					
					1657	1.5	6.46	1.363	10.82	1.14	162.1	200	Sampling Comments:					
					Samplers: <u>KL</u>													
																		color:
													sheen: yes no					
													odor: yes no					
													Sample Method: Peristaltic Pump					
													Keck Pump					
													Grundfos Pump					
													Other:					
													Sampling Comments:					
Samplers: _____																		

TEMPORARY WELL/MONITOR WELL LOW FLOW SAMPLING FIELD DATA SHEET

PROJECT: Linden Rd

PROJECT NUMBER: _____

Date	Well ID	Sample Time	Sample ID	Initial Water Level	Time (minutes)	Purge Water Level	pH	Conductivity ^{µS/cm}	Temperature C°	DQ mg/L	Redox	Pump Rate (ml/min)	Comments
12-2-04	MW-125	12:35		1.39	5	NA	7.94	1156	8.32	5.24	7.8	~100	color: Clear
					10		7.96	1157	8.51	4.66	8.2	sheen: yes <input checked="" type="checkbox"/>	
					15		7.60	1156	8.70	4.50	10.0	odor: yes <input checked="" type="checkbox"/>	
					20		7.48	1153	8.86	4.26	10.6	Sample Method: <u>Peristaltic Pump</u>	
					25	↓	7.88	1154	8.94	3.65	9.8	Keck Pump	
												Grundfos Pump	
									Other:				
Samplers: CK													
12/2/04	MW-135	13:50		2.30	5	NA	7.82	689	8.89	9.17	41.8	~100	color: Clear
					10		7.89	668	8.65	9.45	53.9	sheen: yes <input checked="" type="checkbox"/>	
					15		7.84	643	8.44	9.65	58.9	odor: yes <input checked="" type="checkbox"/>	
					20		7.83	637	8.27	9.85	63.1	Sample Method: <u>Peristaltic Pump</u>	
					25		7.80	631	8.10	10.03	73.0	Keck Pump	
					30		7.79	623	7.82	10.10	78.3	Grundfos Pump	
					35		7.78	621	7.46	10.15	79.8	Other:	
					40	↓	7.58	621	7.78	10.16	82.2		
Samplers: CK													
12/2/04	MW-035	15:10		3.72	5	NA	7.18	1610	9.96	4.43	-0.5	~100	color: Cloudy (rust) to Clear
					10		7.11	1626	10.53	3.86	12.6	sheen: yes <input checked="" type="checkbox"/>	
					15		7.07	1634	10.84	3.22	10.0	odor: yes <input checked="" type="checkbox"/>	
					20		7.03	1632	11.02	2.74	-3.7	Sample Method: <u>Peristaltic Pump</u>	
					25		7.01	1641	11.07	2.73	-7.4	Keck Pump	
					30		6.99	1644	10.80	2.66	-9.2	Grundfos Pump	
					35		6.98	1645	10.48	2.53	-8.3	Other:	
					40		6.97	1647	10.41	2.58	-7.0		
					45		6.96	1648	10.43	2.62	-5.5		
Samplers:													

TEMPORARY WELL/MONITOR WELL LOW FLOW SAMPLING FIELD DATA SHEET

PROJECT: Linden Road

PROJECT NUMBER: _____

Date	Well ID	Sample Time	Sample ID	Initial Water Level	Time (minutes)	Purge Water Level	pH	Conductivity	Temperature	DO	Redox	Pump Rate (ml/min)	Comments
12-2-04	MW-155	1620		10.08	10	NA	7.40	1380	9.14	4.17	72.9	~100	color: <u>Clear</u>
					15		7.38	1382	9.35	4.29	72.2		sheen: yes <u>no</u>
					20		7.36	1381	9.49	4.11	73.2		odor: yes <u>no</u>
					25		7.34	1378	9.62	3.34	78.1		Sample Method: <u>Peristaltic Pump</u>
					30		7.32	1377	9.72	3.06	87.4		Keck Pump
					35		7.31	1375	9.74	3.02	91.6		Grundfos Pump
					40		7.30	1375	9.75	3.04	93.1		Other:
Sampling Comments: <u>Started to record @ 10 min to allow to stabilize</u>													
Samplers: <u>CK</u>													
12-2-04	MW-145	1720		4.41	10	NA	7.20	1853	8.30	3.21	11.5	~100	color: <u>Very rusty, becoming clear</u>
					15		7.19	1850	8.07	2.76	5.2		sheen: yes <u>no</u>
					20		7.18	1854	8.73	2.53	4.0		odor: yes <u>no</u>
					25		7.18	1848	8.88	2.28	-4.2		Sample Method: <u>Peristaltic Pump</u>
					30		7.18	1849	8.93	2.16	-3.9		Keck Pump
					35		7.18	1849	8.98	2.13	-6.7		Grundfos Pump
													Other:
Sampling Comments:													
Samplers: <u>CK</u>													
													color:
													sheen: yes no
													odor: yes no
													Sample Method: Peristaltic Pump
													Keck Pump
													Grundfos Pump
													Other:
Sampling Comments:													
Samplers:													