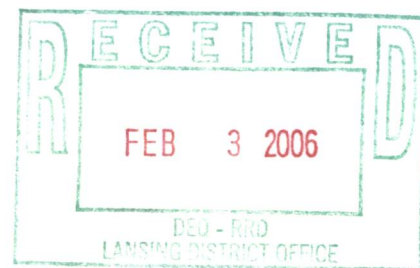




Weston Solutions, Inc.  
Suite 500  
750 East Bunker Court  
Vernon Hills, IL 60061-1865  
847-918-4000 • Fax 847-918-4055  
www.westonsolutions.com



30 January 2006

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

Work Order No.: 01138.079.010

Re: Groundwater Sampling of Select Monitoring Wells for Evaluation 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 additional groundwater sampling activities at the Linden Road Landfill site located in Flint Township, Michigan. The additional groundwater sampling was performed to monitor the presence of vinyl chloride in shallow groundwater which has been observed in the southeast corner of the site.

The following paragraphs present the results of the follow-up sampling of three monitoring wells (MW-14S, MW-15S, and MW-03S) for volatile organic compound (VOC) analysis.

### **GROUNDWATER SAMPLING**

WESTON personnel conducted groundwater sampling on 21 November 2005. The groundwater samples were collected from three shallow groundwater-monitoring wells (MW-03S, MW-14S and MW-15S). The locations of groundwater-monitoring wells are presented in Figure 1. A single groundwater sample was collected from each of the three shallow groundwater monitoring wells. A field duplicate sample was also collected from monitoring well MW-15S for quality assurance/quality control (QA/QC) purposes. Sampling and shipping procedures were consistent with those established in the sampling plan for the site and Michigan Department of Environmental Quality (MDEQ) Remediation and Redevelopment Division Operational Memorandum #2.

The laboratory analysis was performed by Merit Laboratories of East Lansing, Michigan. All samples were analyzed for VOCs. A WESTON chemist validated the analytical data in accordance with United States Environmental Protection Agency (U.S. EPA) data validation procedures.

### **SAMPLING RESULTS AND DISCUSSION**

Table 1 presents a summary of detected VOC constituents and their respective concentrations for each sample collected. 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. Historical data is also included for comparison. 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.





Mr. James Innes  
Michigan department of Environmental Quality-RRD

-2-

30 January 2006

Four compounds were detected during the November 2005 sampling event and include 1,1-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride. Levels of 1,1-dichloroethane, cis-1,2-dichloroethene, and trans-1,2-dichloroethene are below drinking water criteria and appear consistent with previous results. Vinyl chloride was found to exceed its drinking water criteria in MW-03S and MW-14S at 0.019 mg/L and 0.004 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. No VOCs were detected in MW-15S, which is located southeast of MW-14S (southeast) and east of MW-03S.

While vinyl chloride persists in monitoring wells MW-03S and MW-14S, the overall levels in MW-03S have remained relatively consistent since 2003 and represent lower concentrations when compared to earlier years. The presence of vinyl chloride in MW-14S indicates some limited migration has occurred on to another adjoining parcel formerly owned by GM. However, the areal extent appears very limited given previous studies to determine the extent of shallow groundwater contamination and the continued lack of vinyl chloride in downgradient monitoring well MW-15S. Additionally, vinyl chloride levels in MW-14S are within one ug/L of each other for the three sampling events; and therefore do not appear to represent an increasing trend.

### RECOMMENDATIONS

As recommended in WESTON's letter report to MDEQ, dated 1 August 2005, and approved by MDEQ, WESTON will conduct an additional round of sampling by June 2006.

Upon completion of this sampling, data will be evaluated and discussed with MDEQ to determine whether further action may be required.

If you have any questions or require additional information, please call Mr. David Worrell of GM at (248) 753-5702.

Very truly yours,

Weston Solutions, Inc.

S. Babusukumar, P.G.  
Project Manager

SB\tg

cc: D. Worrell, P.E., GM

Table 1

Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria  
Groundwater Sample Analytical Results 1999 to November 2005  
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	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	May-05	Nov-05	Residential	Industrial/ Commercial
VOCs (mg/L)														
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	0.008	0.013	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	0.008	0.013	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	---	---	---	0.001	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	0.008	0.019	0.002	0.002

Notes:

--- Compound not detected above laboratory detection limit; or no criteria available.

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 November 2005  
Linden Road Site

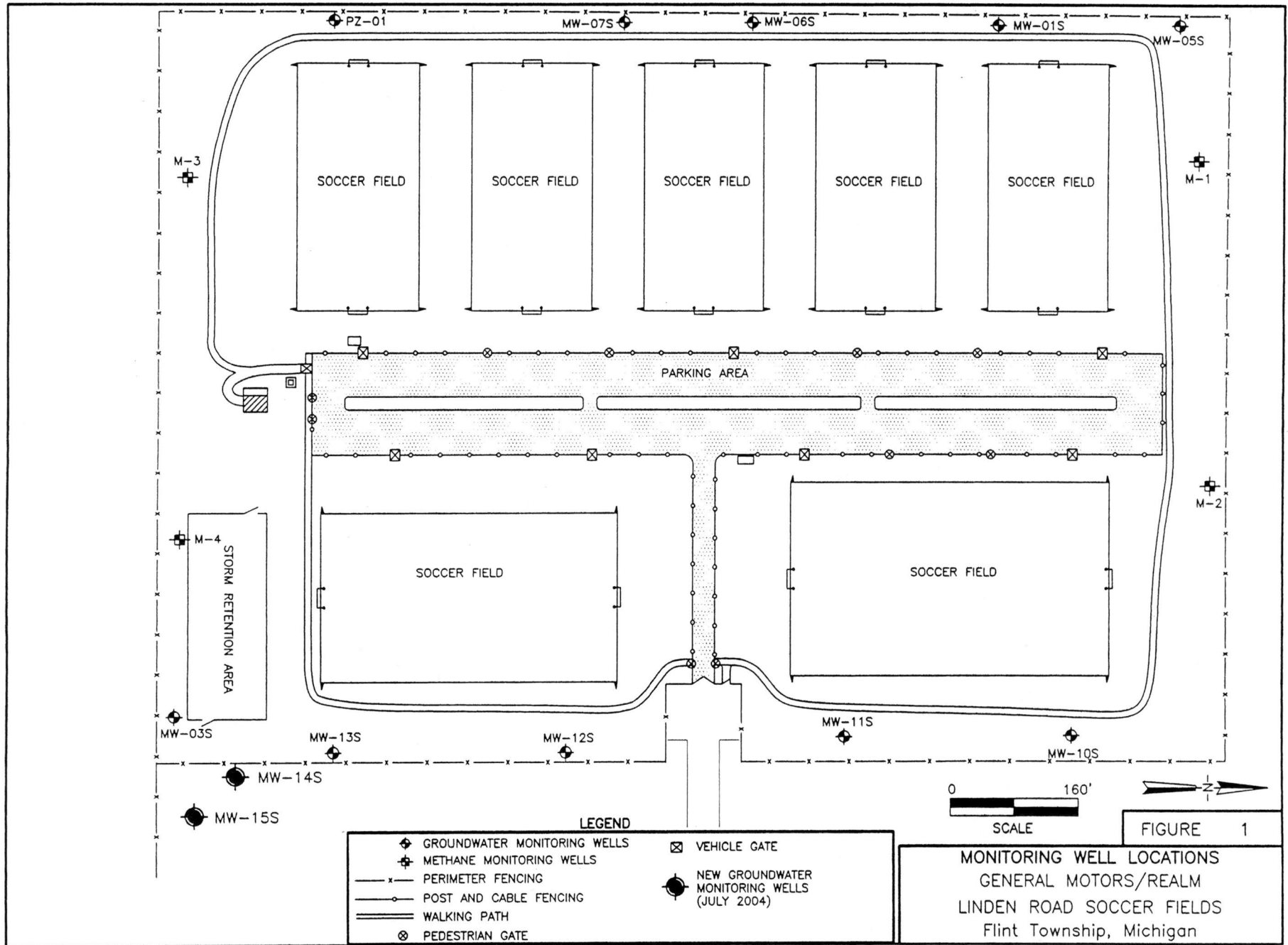
Sample Location	MW-14S	MW-14S	MW-14S	MW-15S	MW-15S	MW-15S DP	MW-15S	MW-15S DP	MDEQ Generic Drinking Water Criteria	
	Dec-04	May-05	Nov-05	Dec-04	May-05	May-05	Nov-05	Nov-05	Residential	Industrial/ Commercial
<b>VOCs (mg/L)</b>										
Trichloroethene	0.001		---	---	---	---	---	---	0.005	0.005
1,1-Dichloroethane	---		---	---	---	---	---	---	0.88	2.5
cis-1,2-Dichloroethene	0.026	0.025	0.026	---	---	---	---	---	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	0.003	0.004	0.004	---	---	---	---	---	0.002	0.002

Notes:

--- Compound not detected above laboratory detection limit; or no criteria available.

Shaded areas indicate concentrations exceed MDEQ Generic Drinking Water Criteria.

DP - Field quality control duplicate sample.



**ATTACHMENT A**  
**LABORATORY ANALYTICAL RESULTS**

**GM  
Linden Road  
24860**

**General Comment:**

All samples were analyzed within the required holding times.

**Volatile Organics:**

<b>Lab ID (22342)</b>	<b>Sample ID</b>	<b>Sample Date</b>	<b>Analysis Date</b>
01	MW-15S	11/21/05	11/29/05
02	MW-15SDup	11/21/05	11/29/05
03	MW-14S	11/21/05	11/29/05
04	MW-03S	11/21/05	11/29/05
05	Trip Blank	11/21/05	11/29/05

**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**

Batch matrix spike recoveries were submitted and were from another client sample. No qualifications are applied.

**4. Instrument Performance Check**

All instrument performance check results are acceptable.

**5. Laboratory Control Sample**

All LCS recoveries were within required control limits.

**6. Trip Blank**

Sample 5 was a trip blank. The blank was free of contamination.

**7. Field Duplicate**

Samples 1 and 2 are field duplicates. All results were non-detect.

Data Reviewed by: T. Balla

Date: 1/26/06



# Analytical Laboratory Report

Report ID: S24860.01(01)  
Generated on 11/30/2005

**Report to**  
Attention: Mr. Babusukumar  
Weston Solutions, Inc.  
750 East Bunker Court Ste 500  
Vernon Hills, IL 60061  
  
Phone: 847-918-4018 FAX: 847-918-4055  
Email: babusukumar@westonsolutions.com

**Report produced by**  
Merit Laboratories  
2680 East Lansing Drive  
East Lansing, MI 48823  
  
Phone: (517) 332-0167 FAX: (517) 332-6333

## Report Summary

Lab Sample ID(s): S24860.01-S24860.05  
Project: Linden Rd - GM  
Submitted Date/Time: 11/21/2005 16:50  
Sampled by: Keith Kidder  
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  
Laboratory Director



# Analytical Laboratory Report

Sample ID: S24860.01  
 Sample Tag: MW-15s  
 Collected Date/Time: 11/21/2005 13:00  
 Matrix: Ground Water  
 COC Reference: 010610

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 40 ml Glass	HCL	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles</b>								
<b>Volatile Organics - DEQ List</b>								
Benzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	74-83-9	
Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	107-06-2	
1,1,1-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	10061-02-6	
Diethylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	98-82-8	
meta-Isopropyltoluene	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	99-87-6	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	75-01-4	
p-Xylene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	95-47-6	
m-Xylene	Not detected	ug/L	2	8260B	11/29/05 16:41	JGH		



# Analytical Laboratory Report

Lab Sample ID: S24860.01 (continued)

Sample Tag: MW-15s

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Acetone	Not detected	ug/L	50	8260B	11/29/05 16:41	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	11/29/05 16:41	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	11/29/05 16:41	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	11/29/05 16:41	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	11/29/05 16:41	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	11/29/05 16:41	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	11/29/05 16:41	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	11/29/05 16:41	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	11/29/05 16:41	JGH	110-57-6	



# Analytical Laboratory Report

Sample ID: S24860.02  
 Sample Tag: MW-15s - DUP  
 Collected Date/Time: 11/21/2005 13:00  
 Matrix: Ground Water  
 COC Reference: 010610

## Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 40 ml Glass	HCL	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles</b>								
<b>Volatile Organics - DEQ List</b>								
Benzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	74-83-9	
Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	135-98-8	
t-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	124-48-1	
2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	95-50-1	
3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	75-34-3	
2-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	10061-02-6	
Diethylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	98-82-8	
n-Isopropyltoluene	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	108-88-3	
1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	79-01-6	
2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	95-63-6	
3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	75-01-4	
p-Xylene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	95-47-6	
m-Xylene	Not detected	ug/L	2	8260B	11/29/05 16:58	JGH		



# Analytical Laboratory Report

Lab Sample ID: S24860.02 (continued)

Sample Tag: MW-15s - DUP

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Acetone	Not detected	ug/L	50	8260B	11/29/05 16:58	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	11/29/05 16:58	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	11/29/05 16:58	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	11/29/05 16:58	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	11/29/05 16:58	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	11/29/05 16:58	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	11/29/05 16:58	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	11/29/05 16:58	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	11/29/05 16:58	JGH	110-57-6	



# Analytical Laboratory Report

Sample ID: S24860.03  
 Sample Tag: MW-14s  
 Collected Date/Time: 11/21/2005 13:55  
 Matrix: Ground Water  
 COC Reference: 010610

Sample Containers	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40 ml Glass	HCL	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles</b>								
<b>Volatile Organics - DEQ List</b>								
Benzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	135-98-8	
t-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	107-06-2	
1,1,1-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	75-35-4	
cis-1,2-Dichloroethene	26	ug/L	1	8260B	11/29/05 17:14	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	10061-02-6	
Diethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	98-82-8	
n-Isopropyltoluene	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	99-87-6	
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	75-09-2	
1,2,3-Trichloroethane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	108-67-8	
Vinyl chloride	4	ug/L	1	8260B	11/29/05 17:14	JGH	75-01-4	
p-Xylene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	95-47-6	
m-Xylene	Not detected	ug/L	2	8260B	11/29/05 17:14	JGH		



# Analytical Laboratory Report

Lab Sample ID: S24860.03 (continued)

Sample Tag: MW-14s

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Acetone	Not detected	ug/L	50	8260B	11/29/05 17:14	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	11/29/05 17:14	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	11/29/05 17:14	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	11/29/05 17:14	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	11/29/05 17:14	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	11/29/05 17:14	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	11/29/05 17:14	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	11/29/05 17:14	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	11/29/05 17:14	JGH	110-57-6	



# Analytical Laboratory Report

Sample ID: S24860.04  
 Sample Tag: MW-03s  
 Collected Date/Time: 11/21/2005 14:50  
 Matrix: Ground Water  
 COC Reference: 010610

Sample Containers

Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2 40 ml Glass	HCL	Yes	4.7	IR

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles</b>								
<b>Volatile Organics - DEQ List</b>								
Benzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	74-83-9	
tert-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	135-98-8	
n-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	106-46-7	
1,1-Dichloroethane	13	ug/L	1	8260B	11/29/05 17:30	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	107-06-2	
cis-1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	75-35-4	
cis-1,2-Dichloroethane	13	ug/L	1	8260B	11/29/05 17:30	JGH	156-59-2	
trans-1,2-Dichloroethane	1	ug/L	1	8260B	11/29/05 17:30	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	10061-02-6	
Diethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	98-82-8	
n-Isopropyltoluene	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	99-87-6	
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	75-09-2	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	100-42-5	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	79-34-5	
Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	108-67-8	
Vinyl chloride	19	ug/L	1	8260B	11/29/05 17:30	JGH	75-01-4	
p-Xylene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	95-47-6	
m-Xylene	Not detected	ug/L	2	8260B	11/29/05 17:30	JGH		



# Analytical Laboratory Report

Lab Sample ID: S24860.04 (continued)

Sample Tag: MWV-03s

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Acetone	Not detected	ug/L	50	8260B	11/29/05 17:30	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	11/29/05 17:30	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	11/29/05 17:30	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	11/29/05 17:30	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	11/29/05 17:30	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	11/29/05 17:30	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	11/29/05 17:30	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	11/29/05 17:30	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	11/29/05 17:30	JGH	110-57-6	



# Analytical Laboratory Report

Sample ID: S24860.05  
 Sample Tag: Trip Blank  
 Collected Date/Time: 11/21/2005  
 Matrix: Ground Water  
 COC Reference: 010610

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40 ml Glass	HCL	Yes	4.7	IR

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

#### Volatile Organics - DEQ List

Benzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	74-83-9	
Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	98-82-8	
o-Isopropyltoluene	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	75-09-2	
1,2,3-Naphthalene	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	75-01-4	
p-Xylene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	95-47-6	
o,m-Xylene	Not detected	ug/L	2	8260B	11/29/05 17:46	JGH		



# Analytical Laboratory Report

Lab Sample ID: S24860.05 (continued)

Sample Tag: Trip Blank

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	CAS #	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Acetone	Not detected	ug/L	50	8260B	11/29/05 17:46	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	11/29/05 17:46	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	11/29/05 17:46	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	11/29/05 17:46	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	11/29/05 17:46	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	11/29/05 17:46	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	11/29/05 17:46	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	11/29/05 17:46	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	11/29/05 17:46	JGH	110-57-6	

**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME *Babusakumar*  
 COMPANY *WESTON Solutions*  
 ADDRESS *750 Bunker Court*  
 CITY *Vernon Hills* STATE *IL* ZIP CODE *60061*  
 PHONE NO. FAX NO. P.O. NO.  
 E-MAIL ADDRESS *Babu.Babusakumar@weston-solutions.com* QUOTE NO.

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

PROJECT NO./NAME *Linden Rd. - GM*  
 SAMPLER(S) PLEASE PRINT NAME *Keith Kidder*

PRESERVATIVE CODE *W/W/E* SAMPLE TYPE  
 REFRIGERATE (Y/N) *GW*  WW  OIL  SOIL   
 PRODUCT  SLUDGE  OTHER \_\_\_\_\_  
 BOTTLE TYPE *WAA* RUSH ANALYSES  DUE DATE \_\_\_\_\_  
 RUSH PICK-UP  APPROVED BY: \_\_\_\_\_  
 ANALYSES

MERIT LAB NO.	SAMPLE COLLECTION YEAR:		SAMPLE TAG IDENTIFICATION-DESCRIPTION	# OF BOTTLES
	DATE	TIME		
<i>24800.01</i>	<i>11/21/05</i>	<i>1300</i>	<i>MW-15s</i>	<i>2</i>
<i>.02</i>	<i>11/21/05</i>	<i>1300</i>	<i>MW-15s-DUP</i>	<i>2</i>
<i>.03</i>	<i>11/21/05</i>	<i>1355</i>	<i>MW-14s</i>	<i>2</i>
<i>.04</i>	<i>11/21/05</i>	<i>1450</i>	<i>MW-03s</i>	<i>2</i>
<i>.05</i>	<i>-</i>	<i>-</i>	<i>Trip Blank</i>	<i>1</i>

ANALYSES	1	2	3	4	5	6	7	8	9	10
<i>Full Volatiles</i>	<i>X</i>									
	<i>X</i>									
		<i>X</i>								
			<i>X</i>							
				<i>X</i>						

RELINQUISHED BY: SIGNATURE *Keith Kidder* DATE *11/21/05* TIME *1650*  
 RECEIVED BY: SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 RELINQUISHED BY: SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 RECEIVED BY: SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

RELINQUISHED BY: SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 RECEIVED AT MERIT BY: SIGNATURE *Paul ...* DATE *11-21-05* TIME *1650*  
 SEAL NO. SEAL INTACT YES  NO  INITIALS \_\_\_\_\_ NOTES: TEMP. ON ARRIVAL *4.7*  
 SEAL NO. SEAL INTACT YES  NO  INITIALS \_\_\_\_\_

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



# Quality Control Report

Report ID: QC-S24860.01(01)  
Generated on 12/22/2005

Report to

Attention: Mr. Babusukumar  
Weston Solutions, Inc.  
750 East Bunker Court Ste 500  
Vernon Hills, IL 60061

Phone: 847-918-4018 FAX: 847-918-4055

Report produced by

Merit Laboratories  
2680 East Lansing Drive  
East Lansing, MI 48823

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

Report Summary

Lab Sample ID(s): S24860.01-S24860.05  
Project: Linden Rd - GM  
Submitted Date/Time: 11/21/2005 16:50  
Sampled by: Keith Kidder  
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  
Laboratory Director

## QC Report - Analysis Summary

Lab Sample ID: S24860.01

Sample Tag: MW-15s

Collected Date/Time: 11/21/2005 13:00

Matrix: Ground Water

COC Reference: 010610

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<b>Organics - Volatiles</b>						
Volatile Organics - DEQ List	8260B	11/29/05 16:41	051129A3	VF051128W1	Yes	LCS/BLK/MS/MSD

## QC Report - Analysis Summary

Lab Sample ID: S24860.02

Sample Tag: MW-15s - DUP

Collected Date/Time: 11/21/2005 13:00

Matrix: Ground Water

COC Reference: 010610

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<b>Organics - Volatiles</b>						
Volatile Organics - DEQ List	8260B	11/29/05 16:58	051129A3	VF051128W1	Yes	LCS/BLK/MS/MSD

## QC Report - Analysis Summary

Lab Sample ID: S24860.03

Sample Tag: MW-14s

Collected Date/Time: 11/21/2005 13:55

Matrix: Ground Water

COC Reference: 010610

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<b>Organics - Volatiles</b>						
Volatile Organics - DEQ List	8260B	11/29/05 17:14	051129A3	VF051128W1	Yes	LCS/BLK/MS/MSD

### QC Report - Analysis Summary

Lab Sample ID: S24860.04  
Sample Tag: MW-03s  
Collected Date/Time: 11/21/2005 14:50  
Matrix: Ground Water  
COC Reference: 010610

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr QC Types
<b>Organics - Volatiles</b>					
Volatile Organics - DEQ List	8260B	11/29/05 17:30	051129A3	VF051128W1	Yes LCS/BLK/MS/MSD

### QC Report - Analysis Summary

Lab Sample ID: S24860.05

Sample Tag: Trip Blank

Collected Date/Time: 11/21/2005 :

Matrix: Ground Water

COC Reference: 010610

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<b>Organics - Volatiles</b>						
Volatile Organics - DEQ List	8260B	11/29/05 17:46	051129A3	VF051128W1	Yes	LCS/BLK/MS/MSD

## QC Report - Prep Batch Summary

### Organics - Volatiles, Prep Batch ID: VF051128W1

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S24860.01	Volatile Organics - DEQ List	8260B	11/29/05 16:41	051129A3
S24860.02	Volatile Organics - DEQ List	8260B	11/29/05 16:58	051129A3
S24860.03	Volatile Organics - DEQ List	8260B	11/29/05 17:14	051129A3
S24860.04	Volatile Organics - DEQ List	8260B	11/29/05 17:30	051129A3
S24860.05	Volatile Organics - DEQ List	8260B	11/29/05 17:46	051129A3

## QC Report - Surrogate Results per Lab Sample

Lab Sample ID: S24860.01

Sample Tag: MW-15s

Collected Date/Time: 11/21/2005 13:00

Matrix: Ground Water

COC Reference: 010610

### Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 051129A3, Run Date: 11/29/2005 16:41, Matrix: WW, Dilution: 1

Surrogate	Flags	Units	Spike Added	Spike Meas	%Rec	LCL	UCL
4-Bromofluorobenzene		ug/L	50.00	53.34	106.70	78.4	119.6
1,2-Dichloroethane-D4		ug/L	50.00	52.84	105.70	66.4	124.8
Toluene-D8		ug/L	50.00	49.76	99.50	82.5	118.4

## QC Report - Surrogate Results per Lab Sample

Lab Sample ID: S24860.02

Sample Tag: MW-15s - DUP

Collected Date/Time: 11/21/2005 13:00

Matrix: Ground Water

COC Reference: 010610

### Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 051129A3, Run Date: 11/29/2005 16:58, Matrix: WW, Dilution: 1

Surrogate	Flags	Units	Spike Added	Spike Meas	%Rec	LCL	UCL
4-Bromofluorobenzene		ug/L	50.00	52.17	104.30	78.4	119.6
1,2-Dichloroethane-D4		ug/L	50.00	49.86	99.70	66.4	124.8
Toluene-D8		ug/L	50.00	48.83	97.70	82.5	118.4

### QC Report - Surrogate Results per Lab Sample

Lab Sample ID: S24860.03

Sample Tag: MW-14s

Collected Date/Time: 11/21/2005 13:55

Matrix: Ground Water

COC Reference: 010610

#### Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 051129A3, Run Date: 11/29/2005 17:14, Matrix: WW, Dilution: 1

Surrogate	Flags	Units	Spike Added	Spike Meas	%Rec	LCL	UCL
4-Bromofluorobenzene		ug/L	50.00	52.45	104.90	78.4	119.6
1,2-Dichloroethane-D4		ug/L	50.00	50.55	101.10	66.4	124.8
Toluene-D8		ug/L	50.00	49.72	99.40	82.5	118.4

### QC Report - Surrogate Results per Lab Sample

Lab Sample ID: S24860.04

Sample Tag: MW-03s

Collected Date/Time: 11/21/2005 14:50

Matrix: Ground Water

COC Reference: 010610

#### Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 051129A3, Run Date: 11/29/2005 17:30, Matrix: WW, Dilution: 1

Surrogate	Flags	Units	Spike Added	Spike Meas	%Rec	LCL	UCL
4-Bromofluorobenzene		ug/L	50.00	51.96	103.90	78.4	119.6
1,2-Dichloroethane-D4		ug/L	50.00	49.71	99.40	66.4	124.8
Toluene-D8		ug/L	50.00	49.65	99.30	82.5	118.4

## QC Report - Surrogate Results per Lab Sample

Lab Sample ID: S24860.05

Sample Tag: Trip Blank

Collected Date/Time: 11/21/2005 :

Matrix: Ground Water

COC Reference: 010610

### Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 051129A3, Run Date: 11/29/2005 17:46, Matrix: WW, Dilution: 1

Surrogate	Flags	Units	Spike Added	Spike Meas	%Rec	LCL	UCL
4-Bromofluorobenzene		ug/L	50.00	52.15	104.30	78.4	119.6
1,2-Dichloroethane-D4		ug/L	50.00	51.18	102.40	66.4	124.8
Toluene-D8		ug/L	50.00	48.81	97.60	82.5	118.4

## QC Report - Surrogate Results per QC Sample

**Organics - Volatiles, Prep Batch ID: VF051128W1**

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

### Laboratory Control Sample (LCS)

Lab Sample ID: 051129a3.lcsw29a

Run in Batch: 051129A3, Run Date: 11/29/2005 20:27, Prep Date: 11/28/2005, Matrix: WW, Dilution: 1

Surrogate	Flags	Units	Spike Added	Spike Meas	%Rec	LCL	UCL
4-Bromofluorobenzene		ug/L	50.00	51.80	103.60	78.4	119.6
1,2-Dichloroethane-D4		ug/L	50.00	54.31	108.60	66.4	124.8
Toluene-D8		ug/L	50.00	49.12	98.20	82.5	118.4

### Blank (BLK)

Lab Sample ID: 051129a3.blkw29a

Run in Batch: 051129A3, Run Date: 11/29/2005 14:01, Prep Date: 11/28/2005, Matrix: WW, Dilution: 1

Surrogate	Flags	Units	Spike Added	Spike Meas	%Rec	LCL	UCL
4-Bromofluorobenzene		ug/L	50.00	52.81	105.60	78.4	119.6
1,2-Dichloroethane-D4		ug/L	50.00	48.07	96.10	66.4	124.8
Toluene-D8		ug/L	50.00	48.79	97.60	82.5	118.4

### Matrix Spike (MS)

Lab Sample ID: 051129a3.2485002m, Parent Sample ID: S24850.02

Run in Batch: 051129A3, Run Date: 11/29/2005 20:43, Prep Date: 11/28/2005, Matrix: WW, Dilution: 1

Surrogate	Flags	Units	Spike Added	Spike Meas	%Rec	LCL	UCL
4-Bromofluorobenzene		ug/L	50.00	50.58	101.20	78.4	119.6
1,2-Dichloroethane-D4		ug/L	50.00	52.34	104.70	66.4	124.8
Toluene-D8		ug/L	50.00	48.68	97.40	82.5	118.4

### Matrix Spike Duplicate (MSD)

Lab Sample ID: 051129a3.2485002n, Parent Sample ID: 051129a3.2485002m

Run in Batch: 051129A3, Run Date: 11/29/2005 20:59, Prep Date: 11/28/2005, Matrix: WW, Dilution: 1

Surrogate	Flags	Units	Spike Added	Spike Meas	%Rec	LCL	UCL
4-Bromofluorobenzene		ug/L	50.00	51.70	103.40	78.4	119.6
1,2-Dichloroethane-D4		ug/L	50.00	51.51	103.00	66.4	124.8
Toluene-D8		ug/L	50.00	48.67	97.30	82.5	118.4

### QC Report - QC Batch Results

**Organics - Volatiles, Prep Batch ID: VF051128W1**

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

**Laboratory Control Sample (LCS)**

Lab Sample ID: 051129a3.lcsw29a

Run in Batch: 051129A3, Run Date: 11/29/2005 20:27, Prep Date: 11/28/2005, Matrix: WWV, Dilution: 1

Analyte	Flags	Units	Orig Conc	Spike Add	Spike Meas	% Rec	LCL	UCL
Benzene		ug/L	ND	50.00	49.16	98.32	73.7	127.0
Chlorobenzene		ug/L	ND	50.00	48.65	97.30	75.0	130.0
1,1-Dichloroethene		ug/L	ND	50.00	49.81	99.62	59.9	145.0
Trichloroethene		ug/L	ND	50.00	47.00	94.00	71.0	121.2
Toluene		ug/L	ND	50.00	48.29	96.58	71.4	127.6

**Blank (BLK)**

Lab Sample ID: 051129a3.blkw29a

Run in Batch: 051129A3, Run Date: 11/29/2005 14:01, Prep Date: 11/28/2005, Matrix: WWV, Dilution: 1

Analyte	Flags	Units	RDL	Conc
Benzene		ug/l	1	ND
Bromodichloromethane		ug/l	1	ND
Bromoform		ug/l	1	ND
Bromomethane		ug/l	1	ND
n-Butylbenzene		ug/l	1	ND
sec-Butylbenzene		ug/l	1	ND
tert-Butylbenzene		ug/l	1	ND
Carbon tetrachloride		ug/l	1	ND
Chlorobenzene		ug/l	1	ND
Chloroethane		ug/l	1	ND
Chloroform		ug/l	1	ND
Chloromethane		ug/l	1	ND
Dibromochloromethane		ug/l	1	ND
1,2-Dichlorobenzene		ug/l	1	ND
1,3-Dichlorobenzene		ug/l	1	ND
1,4-Dichlorobenzene		ug/l	1	ND
1,1-Dichloroethane		ug/l	1	ND
1,2-Dichloroethane		ug/l	1	ND
1,1-Dichloroethene		ug/l	1	ND
cis-1,2-Dichloroethene		ug/l	1	ND
trans-1,2-Dichloroethene		ug/l	1	ND
1,2-Dichloropropane		ug/l	1	ND
cis-1,3-Dichloropropene		ug/l	1	ND
trans-1,3-Dichloropropene		ug/l	1	ND
Ethylbenzene		ug/l	1	ND
Isopropylbenzene		ug/l	1	ND
p-Isopropyltoluene		ug/l	1	ND
Methylene chloride		ug/l	1	ND
Naphthalene		ug/l	1	ND
n-Propylbenzene		ug/l	1	ND
Styrene		ug/l	1	ND
1,1,2,2-Tetrachloroethane		ug/l	1	ND
Tetrachloroethene		ug/l	1	ND
Toluene		ug/l	1	ND
1,1,1-Trichloroethane		ug/l	1	ND
1,1,2-Trichloroethane		ug/l	1	ND

### QC Report - QC Batch Results

Organics - Volatiles, Prep Batch ID: VF051128W1 (continued)

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

**Blank (BLK) (continued)**

Lab Sample ID: 051129a3.blkw29a

Run in Batch: 051129A3, Run Date: 11/29/2005 14:01, Prep Date: 11/28/2005, Matrix: WW, Dilution: 1

Analyte	Flags	Units	RDL	Conc
Trichloroethene		ug/l	1	ND
1,2,4-Trimethylbenzene		ug/l	1	ND
1,3,5-Trimethylbenzene		ug/l	1	ND
Vinyl chloride		ug/l	1	ND
o-Xylene		ug/l	1	ND
p,m-Xylene		ug/l	1	ND
Acetone		ug/l	10	ND
2-Butanone (MEK)		ug/l	10	ND
Carbon disulfide		ug/l	1	ND
2-Hexanone		ug/l	1	ND
4-Methyl-2-pentanone (MIBK)		ug/l	1	ND
tert-Methyl butyl ether (MTBE)		ug/l	1	ND
1,1,1,2-Tetrachloroethane		ug/l	1	ND
1,2,3-Trichlorobenzene		ug/l	1	ND
1,2,3-Trichloropropane		ug/l	1	ND
1,2,4-Trichlorobenzene		ug/l	1	ND
1,2-Dibromo-3-chloropropane		ug/l	1	ND
1,2-Dibromoethane		ug/l	1	ND
2-Methylnaphthalene		ug/l	1	ND
Acrylonitrile		ug/l	1	ND
Bromobenzene		ug/l	1	ND
Bromochloromethane		ug/l	1	ND
Dibromomethane		ug/l	1	ND
Dichlorodifluoromethane		ug/l	1	ND
Diethyl ether		ug/l	1	ND
Hexachloroethane		ug/l	1	ND
Methyl iodide		ug/l	1	ND
Tetrahydrofuran		ug/l	10	ND
Trichlorofluoromethane		ug/l	1	ND
1,2,3-Trimethylbenzene		ug/l	1	ND
trans-1,4-Dichloro-2-butene		ug/l	1	ND

**Matrix Spike (MS)**

Lab Sample ID: 051129a3.2485002m, Parent Sample ID: S24850.02

Run in Batch: 051129A3, Run Date: 11/29/2005 20:43, Prep Date: 11/28/2005, Matrix: WW, Dilution: 1

Analyte	Flags	Units	Orig Conc	Spike Add	Spike Meas	% Rec	LCL	UCL
Benzene		ug/L	ND	50.00	51.87	103.74	73.7	127.0
Chlorobenzene		ug/L	ND	50.00	51.22	102.44	75.0	130.0
1,1-Dichloroethene		ug/L	ND	50.00	51.91	103.82	59.9	145.0
Trichloroethene		ug/L	ND	50.00	49.48	98.96	71.0	121.2
Toluene		ug/L	ND	50.00	50.68	101.36	71.4	127.6

### QC Report - QC Batch Results

Organics - Volatiles, Prep Batch ID: VF051128W1 (continued)

Surrogates: Yes, QC Types: LCS/BLK/MS/MSD

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: 051129a3.2485002n, Parent Sample ID: 051129a3.2485002m

Run in Batch: 051129A3, Run Date: 11/29/2005 20:59, Prep Date: 11/28/2005, Matrix: WW, Dilution: 1

Analyte	Flags	Units	Orig Conc	Spike Add	Spike Meas	% Rec	LCL	UCL	MS Conc	RPD	RPD CL
Benzene		ug/L	ND	50.00	49.80	99.60	73.7	127.0	51.87	4.1	20.0
Chlorobenzene		ug/L	ND	50.00	49.61	99.22	75.0	130.0	51.22	3.2	20.0
1,1-Dichloroethene		ug/L	ND	50.00	50.61	101.22	59.9	145.0	51.91	2.5	20.0
Trichloroethene		ug/L	ND	50.00	48.53	97.06	71.0	121.2	49.48	1.9	20.0
Toluene		ug/L	ND	50.00	48.78	97.56	71.4	127.6	50.68	3.8	20.0

**ATTACHMENT B**

**FIELD NOTES**



MONITOR WELL LOW FLOW SAMPLING FIELD DATA SHEET  
REPAIR SITE

PROJECT: Linden Rd. site

PROJECT NUMBER: \_\_\_\_\_

Date	Well ID	Sample Time	Sample ID	Initial Water Level	Time (minutes)	Purge Water Level	pH	Conductivity $\mu S/cm^2$	Temperature $^{\circ}C$	DP $mg/L$	Redox	Pump Rate (ml/min)	Comments		
11/21/05	MW-15s	1300	MW-15s + DUP	9.97	1230	10.55	6.58	=	12.59	=	776.2	2500ml/min	color: orangish brown (start), clear (end)		
					1235	10.71	6.67	=	12.50	=	419.9	"	sheen: yes (no)		
					1240	10.90	6.67	=	12.47	=	356.7	"	odor: yes (no)		
					1245	11.02	6.70	=	12.51	=	295.6	"	Sample Method: Peristaltic Pump		
					1250	11.10	6.72	=	12.09	=	275.2	"	Keck Pump		
					1255	11.16	6.71	=	12.08	=	268.8	"	Grundfos Pump		
					DO + Conductivity sensors not working										Other:
					PTD B-core Readings										Sampling Comments: Drawdown was significant, had trouble stabilizing
					VOC 0.0										
					H2S 0										
CO 0															
LEL 0															
Samplers: Keith K.															
11/21/05	MW-14s	1355	MW-14s	4.86	1225	6.03	6.67	=	10.39	=	415.6	2500ml/min	color: orange (start), clear end		
					1330	6.29	6.71	=	10.30	=	238.7	"	sheen: yes (no)		
					1340	6.40	6.78	=	10.47	=	217.9	"	odor: yes (no)		
					1345	6.50	6.78	=	10.55	=	205.3	"	Sample Method: Peristaltic Pump		
					1348	6.56	6.79	=	10.46	=	202.1	"	Keck Pump		
					1350	6.57	6.79	=	10.43	=	190.6	"	Grundfos Pump		
					Other:										
					PTD B-zone Readings										Sampling Comments: Drawdown was significant, had trouble stabilizing
					VOC 0.0ppm										
					H2S 0										
CO 0															
LEL 0															
Samplers: KK															
11/21/05	MW-03s	1450	MW-03s	4.96	1420	5.31	6.43	=	12.58	=	518.0	2500ml/min	color: clear		
					1425	5.57	6.57	=	12.46	=	139.0	"	sheen: yes (no)		
					1430	5.72	6.58	=	12.49	=	106.0	"	odor: yes (no)		
					1435	5.81	6.57	=	12.51	=	97.9	"	Sample Method: Peristaltic Pump		
					1440	5.90	6.57	=	12.50	=	96.5	"	Keck Pump		
					Other:										
Waiting 10 min. for recharge before testing sample										Sampling Comments:					
Samplers:															

Casing Factor (dia of casing) = (gal per ft of depth)  
2" = 0.163    4" = 0.653    6" = 1.47    8" = 2.61

1005 Keith K. (WESTON) leaves ONI For  
Linden Rd. site

1100 onsite

1105 Keys will not work in padlock on gate. cutting chain

1130 Located MW-14s, MW-15s + MW-03s, opened to vent

1155 setting up at MW-15s

1230 DO sensor not working on YSI unit, or conductivity meter

1300 collected VOC's at MW-15s + DUP

1315 set up at MW-14s

1355 collected VOC's at MW-14s

1415 set up at MW-03s

1450 collected VOC's at MW-03s

1515 offsite

Keith Kidder  
11/21/05