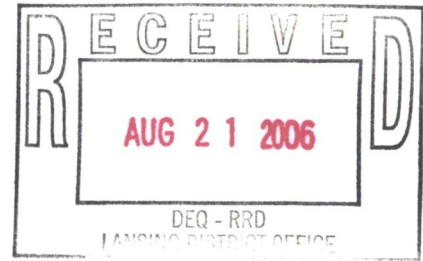




Weston Solutions, Inc.  
Suite 500  
750 East Bunker Court  
Vernon Hills, IL 60061-1450  
847-918-4000 • Fax 847-918-4055  
www.westonsolutions.com



14 August 2006

Entered  
in  
Ernie

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 (July 2006) 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 19 July 2006. 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-14S 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-

14 August 2006

Three VOCs were detected during the July 2006 sampling event. 1,1-Dichloroethane was detected only in monitoring well MW-03S at a concentration of 0.008 mg/kg. The compound cis-1,2-dichloroethene was detected in well MW-03S at a concentration of 0.009 mg/kg and in the investigative and duplicate sample collected from well MW-14S at concentrations of 0.022 mg/kg and 0.023 mg/kg respectively. Vinyl chloride was detected in well MW-03S at a concentration of 0.007 mg/kg. The concentrations of vinyl chloride in the investigative and the duplicate sample from well MW-14S were both at 0.002 mg/kg. No VOCs were detected in well MW-015S.

Based on the above analytical results, only the concentration of vinyl chloride detected in well MW-03S exceeds the MDEQ Generic Drinking Water Criteria for Residential Properties. It should be noted that the level of vinyl chloride in MW-3S detected during the July 2006 sampling event is lower than the concentrations detected during several sampling events in the past. The concentration of vinyl chloride detected in well MW-014S did not exceed the MDEQ Generic Drinking Water Criteria for Residential properties.

#### **RECOMMENDATIONS**

WESTON, on behalf of GM recommends that an additional round of sampling be conducted at the above three monitoring wells in December 2006 to confirm the findings of the July 2006 sampling event.

Results of the proposed sampling event in December 2006 will be forwarded to the MDEQ within three weeks of completing the sampling.

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

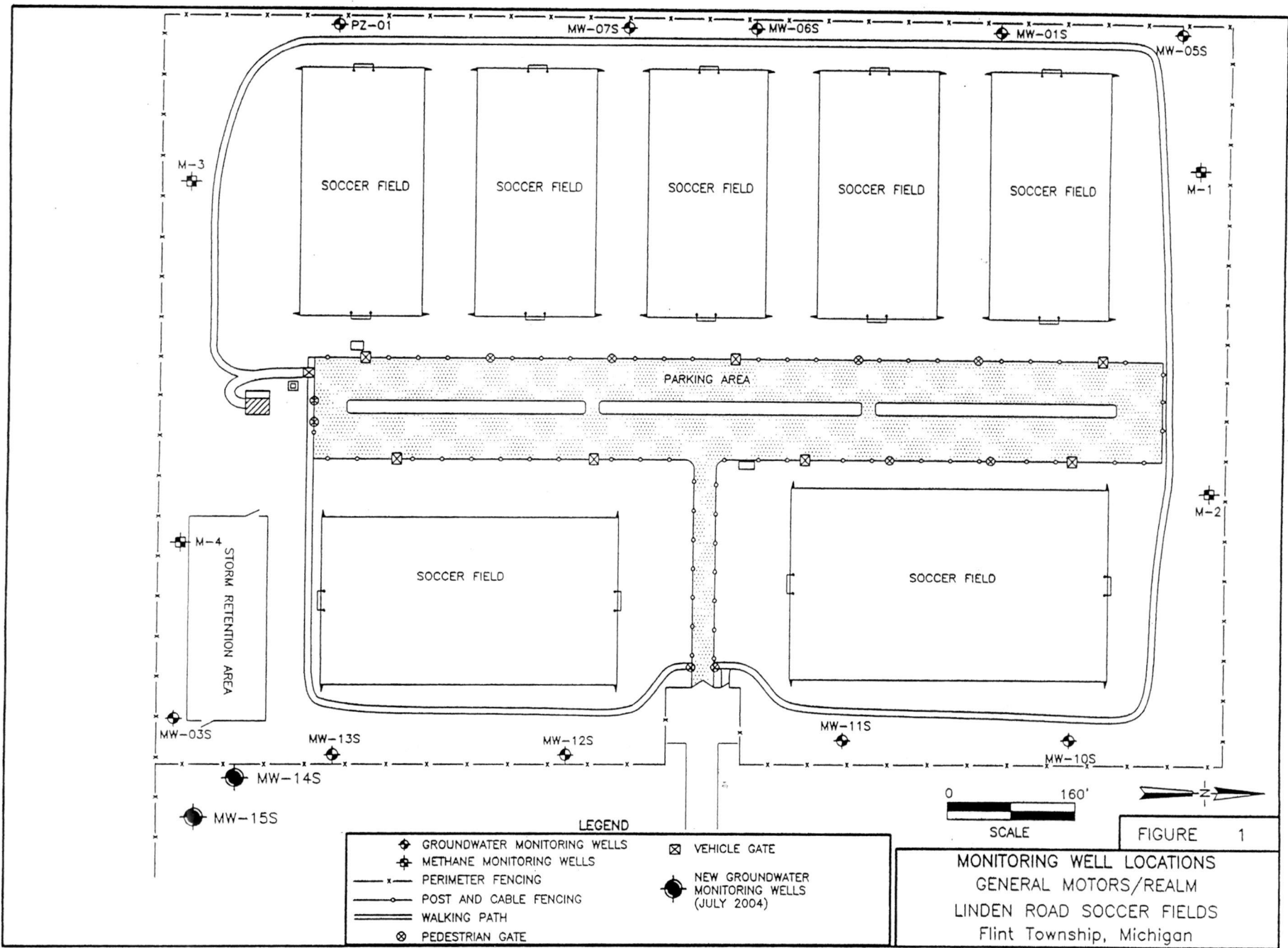


Table 1

**Comparison of Detected Compounds to MDEQ Generic Drinking Water Criteria  
Groundwater Sample Analytical Results 1999 to July 2006  
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	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	Jul-06	Residential	Industrial/ Commercial
<b>VOCs (mg/L)</b>															
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	0.008	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	0.009	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	0.007	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 July 2006  
Linden Road Site**

Sample Location	MW-14S	MW-14S	MW-14S	MW-14S	MW-14S DUP	MW-15S	MW-15S	MW-15S DP	MW-15S	MW-15S DP	MW-15S	MDEQ Generic Drinking Water Criteria	
	Dec-04	May-05	Nov-05	Jul-06	Jul-06	Dec-04	May-05	May-05	Nov-05	Nov-05	Jul-06	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	0.022	0.023	---	---	---	---	---	---	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	---	---	---	---	---	---	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  
34609**

**General Comment:**

All samples were analyzed within the required holding times.

**Volatile Organics:**

Lab ID (22342)	Sample ID	Sample Date	Analysis Date
01	MW-14S	7/19/06	7/24/06
02	MW-14SDup	7/19/06	7/24/06
03	MW-15S	7/19/06	7/24/06
04	MW-03S	7/19/06	7/24/06
05	Trip Blank	7/19/06	7/24/06

**1. Method Blank:**

The method blank contained acetone at 2.1 ug/L. Acetone was not detected in any of the corresponding samples. No qualifications are required.

**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. Cis-1,2-dichloroethene and vinyl chloride were detected in similar concentrations in both samples. All remaining results were non-detect. Overall, the samples show excellent correlation.

Data Reviewed by: T. Balla Date: 8/13/06





# Analytical Laboratory Report

Report ID: S27927.01(01)  
Generated on 07/25/2006

## Report to

Attention: Mr. Babusukumar  
Weston Solutions, Inc.  
750 East Bunker Court Ste 500  
Vernon Hills, IL60061

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): S27927.01-S27927.05  
Project: Linden Rd - GM  
Submitted Date/Time: 07/19/2006 15:45  
Sampled by: Kirk Lapham  
P.O. #:

## Report Notes

Results relate only to items tested as received by the laboratory.  
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 Summary (5 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S27927.01	MW-14S	Groundwater	07/19/2006 10:55
S27927.02	MW-14S DUP	Groundwater	07/19/2006 10:55
S27927.03	MW-15S	Groundwater	07/19/2006 11:40
S27927.04	MW-03S	Groundwater	07/19/2006 12:40
S27927.05	Trip Blank	Groundwater	07/19/2006

Lab Sample ID: S27927.01  
 Sample Tag: MW-14S  
 Collected Date/Time: 07/19/2006 10:55  
 Matrix: Groundwater  
 COC Reference: 034609

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.2	IR

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

**Organics - Volatiles**

**Volatile Organics - DEQ List**

Benzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	75-35-4	
cis-1,2-Dichloroethene	22	ug/L	1	8260B	07/24/06 17:50	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	100-42-5	
1,1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	108-67-8	
Vinyl chloride	2	ug/L	1	8260B	07/24/06 17:50	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	07/24/06 17:50	JGH		



# Analytical Laboratory Report

Lab Sample ID: S27927.01 (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	07/24/06 17:50	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/24/06 17:50	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	07/24/06 17:50	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/24/06 17:50	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	07/24/06 17:50	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	07/24/06 17:50	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	07/24/06 17:50	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/24/06 17:50	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/24/06 17:50	JGH	110-57-6	



# Analytical Laboratory Report

Lab Sample ID: S27927.02  
 Sample Tag: MW-14S DUP  
 Collected Date/Time: 07/19/2006 10:55  
 Matrix: Groundwater  
 COC Reference: 034609

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.2	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	07/24/06 18:08	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	75-35-4	
cis-1,2-Dichloroethene	23	ug/L	1	8260B	07/24/06 18:08	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	108-67-8	
Vinyl chloride	2	ug/L	1	8260B	07/24/06 18:08	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	07/24/06 18:08	JGH		



# Analytical Laboratory Report

Lab Sample ID: S27927.02 (continued)

Sample Tag: MW-14S 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	07/24/06 18:08	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/24/06 18:08	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	07/24/06 18:08	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/24/06 18:08	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	07/24/06 18:08	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	07/24/06 18:08	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	07/24/06 18:08	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/24/06 18:08	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/24/06 18:08	JGH	110-57-6	



# Analytical Laboratory Report

Lab Sample ID: S27927.03  
 Sample Tag: MW-15S  
 Collected Date/Time: 07/19/2006 11:40  
 Matrix: Groundwater  
 COC Reference: 034609

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.2	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	07/24/06 18:26	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	07/24/06 18:26	JGH		



# Analytical Laboratory Report

Lab Sample ID: S27927.03 (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	07/24/06 18:26	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/24/06 18:26	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	07/24/06 18:26	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/24/06 18:26	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	07/24/06 18:26	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	07/24/06 18:26	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	07/24/06 18:26	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/24/06 18:26	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/24/06 18:26	JGH	110-57-6	



# Analytical Laboratory Report

Lab Sample ID: S27927.04  
 Sample Tag: MW-03S  
 Collected Date/Time: 07/19/2006 12:40  
 Matrix: Groundwater  
 COC Reference: 034609

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.2	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	07/24/06 18:44	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	106-46-7	
1,1-Dichloroethane	8	ug/L	1	8260B	07/24/06 18:44	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	75-35-4	
cis-1,2-Dichloroethene	9	ug/L	1	8260B	07/24/06 18:44	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	108-67-8	
Vinyl chloride	7	ug/L	1	8260B	07/24/06 18:44	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	07/24/06 18:44	JGH		



# Analytical Laboratory Report

Lab Sample ID: S27927.04 (continued)

Sample Tag: MW-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	07/24/06 18:44	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/24/06 18:44	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	07/24/06 18:44	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/24/06 18:44	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	07/24/06 18:44	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	07/24/06 18:44	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	07/24/06 18:44	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/24/06 18:44	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/24/06 18:44	JGH	110-57-6	



# Analytical Laboratory Report

Lab Sample ID: S27927.05  
 Sample Tag: Trip Blank  
 Collected Date/Time: 07/19/2006 :  
 Matrix: Groundwater  
 COC Reference: 034609

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.2	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	07/24/06 19:02	JGH	71-43-2	
Bromodichloromethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	75-27-4	
Bromoform	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	75-25-2	
Bromomethane	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	74-83-9	
n-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	104-51-8	
sec-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	135-98-8	
tert-Butylbenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	98-06-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	56-23-5	
Chlorobenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	108-90-7	
Chloroethane	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	75-00-3	
Chloroform	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	67-66-3	
Chloromethane	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	74-87-3	
Dibromochloromethane	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	124-48-1	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	95-50-1	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	106-46-7	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	75-34-3	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	107-06-2	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	75-35-4	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	156-59-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	156-60-5	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	78-87-5	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	10061-01-5	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	10061-02-6	
Ethylbenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	100-41-4	
Isopropylbenzene	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	98-82-8	
p-Isopropyltoluene	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	99-87-6	
Methylene chloride	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	75-09-2	
Naphthalene	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	91-20-3	
n-Propylbenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	103-65-1	
Styrene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	100-42-5	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	79-34-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	127-18-4	
Toluene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	108-88-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	71-55-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	79-00-5	
Trichloroethene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	79-01-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	95-63-6	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	108-67-8	
Vinyl chloride	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	75-01-4	
o-Xylene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	95-47-6	
p,m-Xylene	Not detected	ug/L	2	8260B	07/24/06 19:02	JGH		



# Analytical Laboratory Report

Lab Sample ID: S27927.05 (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	07/24/06 19:02	JGH	67-64-1	
2-Butanone (MEK)	Not detected	ug/L	30	8260B	07/24/06 19:02	JGH	78-93-3	
Carbon disulfide	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	75-15-0	
2-Hexanone	Not detected	ug/L	50	8260B	07/24/06 19:02	JGH	591-78-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	07/24/06 19:02	JGH	108-10-1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	1634-04-4	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	630-20-6	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	87-61-6	
1,2,3-Trichloropropane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	96-18-4	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	120-82-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	96-12-8	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	106-93-4	
2-Methylnaphthalene	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	91-57-6	
Acrylonitrile	Not detected	ug/L	2	8260B	07/24/06 19:02	JGH	107-13-1	
Bromobenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	108-86-1	
Bromochloromethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	74-97-5	
Dibromomethane	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	74-95-3	
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	75-71-8	
Diethyl ether	Not detected	ug/L	10	8260B	07/24/06 19:02	JGH	60-29-7	
Hexachloroethane	Not detected	ug/L	5	8260B	07/24/06 19:02	JGH	67-72-1	
Methyl iodide	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	74-88-4	
Tetrahydrofuran	Not detected	ug/L	90	8260B	07/24/06 19:02	JGH	109-99-9	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	75-69-4	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	526-73-8	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	8260B	07/24/06 19:02	JGH	110-57-6	





# Quality Control Report

Report ID: QC-S27927.01(01)  
Generated on 08/08/2006

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): S27927.01-S27927.05  
Project: Linden Rd - GM  
Submitted Date/Time: 07/19/2006 15:45  
Sampled by: Kirk Lapham  
P.O. #:

Report Sections

Cover Page (Page 1)  
Analysis Summary (Pages 2-6)  
Prep Batch Summary (Page 7)  
Surrogates per Lab Sample (Pages 8-12)  
Surrogates per QC Sample (Page 13)  
Batch QC Results (Pages 14-16)

Report Notes

Results relate only to items tested as received by the laboratory.  
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: S27927.01

Sample Tag: MW-14S

Collected Date/Time: 07/19/2006 10:55

Matrix: Groundwater

COC Reference: 034609

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr QC Types
<b>Organics - Volatiles</b>					
Volatile Organics - DEQ List	8260B	07/24/06 17:50	060724A3	VF060724W1	Yes LCS/BLK/MS/MSD

# QC Report - Analysis Summary

Lab Sample ID: S27927.02  
Sample Tag: MW-14S DUP  
Collected Date/Time: 07/19/2006 10:55  
Matrix: Groundwater  
COC Reference: 034609

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr QC Types
<b>Organics - Volatiles</b>					
Volatile Organics - DEQ List	8260B	07/24/06 18:08	060724A3	VF060724W1	Yes LCS/BLK/MS/MSD

## QC Report - Analysis Summary

Lab Sample ID: S27927.03

Sample Tag: MW-15S

Collected Date/Time: 07/19/2006 11:40

Matrix: Groundwater

COC Reference: 034609

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr QC Types
<b>Organics - Volatiles</b>					
Volatile Organics - DEQ List	8260B	07/24/06 18:26	060724A3	VF060724W1	Yes LCS/BLK/MS/MSD

## QC Report - Analysis Summary

Lab Sample ID: S27927.04  
Sample Tag: MW-03S  
Collected Date/Time: 07/19/2006 12:40  
Matrix: Groundwater  
COC Reference: 034609

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr QC Types
<b>Organics - Volatiles</b>					
Volatile Organics - DEQ List	8260B	07/24/06 18:44	060724A3	VF060724W1	Yes LCS/BLK/MS/MSD

## QC Report - Analysis Summary

Lab Sample ID: S27927.05

Sample Tag: Trip Blank

Collected Date/Time: 07/19/2006 :

Matrix: Groundwater

COC Reference: 034609

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr. QC Types
<b>Organics - Volatiles</b>					
Volatile Organics - DEQ List	8260B	07/24/06 19:02	060724A3	VF060724W1	Yes LCS/BLK/MS/MSD

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: VF060724W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S27927.01	Volatile Organics - DEQ List	8260B	07/24/06 17:50	060724A3
S27927.02	Volatile Organics - DEQ List	8260B	07/24/06 18:08	060724A3
S27927.03	Volatile Organics - DEQ List	8260B	07/24/06 18:26	060724A3
S27927.04	Volatile Organics - DEQ List	8260B	07/24/06 18:44	060724A3
S27927.05	Volatile Organics - DEQ List	8260B	07/24/06 19:02	060724A3

## QC Report - Surrogates per Lab Sample

Lab Sample ID: S27927.01

Sample Tag: MW-14S

Collected Date/Time: 07/19/2006 10:55

Matrix: Groundwater

COC Reference: 034609

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

Run in Batch: 060724A3, Run Date: 07/24/2006 17:50, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		105.90	78.4	119.6
1,2-Dichloroethane-D4		80.90	66.4	124.8
Toluene-D8		98.50	82.5	118.4

## QC Report - Surrogates per Lab Sample

Lab Sample ID: S27927.02

Sample Tag: MW-14S DUP

Collected Date/Time: 07/19/2006 10:55

Matrix: Groundwater

COC Reference: 034609

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

Run in Batch: 060724A3, Run Date: 07/24/2006 18:08, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		105.90	78.4	119.6
1,2-Dichloroethane-D4		82.60	66.4	124.8
Toluene-D8		98.30	82.5	118.4

QC Report - Surrogates per Lab Sample

Lab Sample ID: S27927.03

Sample Tag: MW-15S

Collected Date/Time: 07/19/2006 11:40

Matrix: Groundwater

COC Reference: 034609

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 060724A3, Run Date: 07/24/2006 18:26, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		105.40	78.4	119.6
1,2-Dichloroethane-D4		85.20	66.4	124.8
Toluene-D8		98.20	82.5	118.4

## QC Report - Surrogates per Lab Sample

Lab Sample ID: S27927.04

Sample Tag: MW-03S

Collected Date/Time: 07/19/2006 12:40

Matrix: Groundwater

COC Reference: 034609

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

Run in Batch: 060724A3, Run Date: 07/24/2006 18:44, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		103.30	78.4	119.6
1,2-Dichloroethane-D4		83.10	66.4	124.8
Toluene-D8		98.00	82.5	118.4

## QC Report - Surrogates per Lab Sample

Lab Sample ID: S27927.05

Sample Tag: Trip Blank

Collected Date/Time: 07/19/2006 :

Matrix: Groundwater

COC Reference: 034609

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

Run in Batch: 060724A3, Run Date: 07/24/2006 19:02, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		103.30	78.4	119.6
1,2-Dichloroethane-D4		86.20	66.4	124.8
Toluene-D8		98.60	82.5	118.4

## QC Report - Surrogates per QC Sample

### Organics - Volatiles, Prep Batch ID: VF060724W1

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

#### Laboratory Control Sample (LCS)

Lab Sample ID: 060724a3.lcsw24a

Run in Batch: 060724A3, Run Date: 07/25/2006 01:39, Prep Date: 07/24/2006, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		104.00	78.4	119.6
1,2-Dichloroethane-D4		90.90	66.4	124.8
Toluene-D8		98.60	82.5	118.4

#### Blank (BLK)

Lab Sample ID: 060724a3.blkw24a

Run in Batch: 060724A3, Run Date: 07/24/2006 16:19, Prep Date: 07/24/2006, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		104.10	78.4	119.6
1,2-Dichloroethane-D4		78.60	66.4	124.8
Toluene-D8		97.60	82.5	118.4

#### Matrix Spike (MS)

Lab Sample ID: 060724a3.2796902m, Parent Sample ID: S27969.02

Run in Batch: 060724A3, Run Date: 07/25/2006 01:57, Prep Date: 07/24/2006, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		107.20	78.4	119.6
1,2-Dichloroethane-D4		89.30	66.4	124.8
Toluene-D8		98.80	82.5	118.4

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: 060724a3.2796902n, Parent Sample ID: 060724a3.2796902m

Run in Batch: 060724A3, Run Date: 07/25/2006 02:15, Prep Date: 07/24/2006, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		106.70	78.4	119.6
1,2-Dichloroethane-D4		87.80	66.4	124.8
Toluene-D8		98.50	82.5	118.4

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF060724W1**

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

**Laboratory Control Sample (LCS)**

Lab Sample ID: 060724a3.lcsw24a

Run in Batch: 060724A3, Run Date: 07/25/2006 01:39, Prep Date: 07/24/2006, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Benzene		102.32	73.7	127.0
Chlorobenzene		111.40	75.0	130.0
1,1-Dichloroethene		87.60	59.9	145.0
Trichloroethene		93.84	71.0	121.2
Toluene		102.22	71.4	127.6

**Blank (BLK)**

Lab Sample ID: 060724a3.blkw24a

Run in Batch: 060724A3, Run Date: 07/24/2006 16:19, Prep Date: 07/24/2006, Matrix: WW, Dilution: 1

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

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF060724W1 (continued)

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

Blank (BLK) (continued)

Lab Sample ID: 060724a3.blkw24a

Run in Batch: 060724A3, Run Date: 07/24/2006 16:19, Prep Date: 07/24/2006, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Trichloroethene		ND	1	ug/l
1,2,4-Trimethylbenzene		ND	1	ug/l
1,3,5-Trimethylbenzene		ND	1	ug/l
Vinyl chloride		ND	1	ug/l
o-Xylene		ND	1	ug/l
p,m-Xylene		ND	1	ug/l
Acetone	*	2.1	10	ug/l
2-Butanone (MEK)		ND	1	ug/l
Carbon disulfide		ND	1	ug/l
2-Hexanone		ND	1	ug/l
4-Methyl-2-pentanone (MIBK)		ND	1	ug/l
tert-Methyl butyl ether (MTBE)		ND	1	ug/l
1,1,1,2-Tetrachloroethane		ND	1	ug/l
1,2,3-Trichlorobenzene		ND	1	ug/l
1,2,3-Trichloropropane		ND	1	ug/l
1,2,4-Trichlorobenzene		ND	1	ug/l
1,2-Dibromo-3-chloropropane		ND	1	ug/l
1,2-Dibromoethane		ND	1	ug/l
2-Methylnaphthalene		ND	1	ug/l
Acrylonitrile		ND	1	ug/l
Bromobenzene		ND	1	ug/l
Bromochloromethane		ND	1	ug/l
Dibromomethane		ND	1	ug/l
Dichlorodifluoromethane		ND	1	ug/l
Diethyl ether		ND	1	ug/l
Hexachloroethane		ND	1	ug/l
Methyl iodide		ND	1	ug/l
Tetrahydrofuran		ND	10	ug/l
Trichlorofluoromethane		ND	1	ug/l
1,2,3-Trimethylbenzene		ND	1	ug/l
trans-1,4-Dichloro-2-butene		ND	1	ug/l

Matrix Spike (MS)

Lab Sample ID: 060724a3.2796902m, Parent Sample ID: S27969.02

Run in Batch: 060724A3, Run Date: 07/25/2006 01:57, Prep Date: 07/24/2006, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Benzene		104.34	73.7	127.0
Chlorobenzene		112.90	75.0	130.0
1,1-Dichloroethene		89.52	59.9	145.0
Trichloroethene		96.28	71.0	121.2
Toluene		103.78	71.4	127.6

### QC Report - Batch QC Results

#### Organics - Volatiles, Prep Batch ID: VF060724W1 (continued)

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

#### Matrix Spike Duplicate (MSD)

Lab Sample ID: 060724a3.2796902n, Parent Sample ID: 060724a3.2796902m

Run in Batch: 060724A3, Run Date: 07/25/2006 02:15, Prep Date: 07/24/2006, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Benzene		101.88	73.7	127.0	2.4	20.0
Chlorobenzene		112.46	75.0	130.0	0.4	20.0
1,1-Dichloroethene		87.02	59.9	145.0	2.8	20.0
Trichloroethene		95.40	71.0	121.2	0.9	20.0
Toluene		101.88	71.4	127.6	1.8	20.0

**ATTACHMENT B**

**FIELD NOTES**



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

034609

**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME: Babusakumar  
 COMPANY: Weston Solutions, Inc  
 ADDRESS: 750 Bunker Ct  
 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.Babusakumar@WestonSolutions.com QUOTE NO.:

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

**ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)**

PROJECT NO./NAME		SAMPLER(S) - PLEASE PRINT/SIGN NAME		# Containers & Preservatives										SPECIAL INSTRUCTIONS/NOTES	
<u>Linden Rd - G/M</u>		<u>Eric Capron</u>		<input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> LEVEL II <input type="checkbox"/> LEVEL III <input type="checkbox"/> OTHER											
MATRIX CODE	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER			
MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION			MATRIX	# OF BOTTLES								
	DATE	TIME													
	<u>7/19/06</u>	<u>1055</u>	<u>MW-145</u>			<u>GW</u>	<u>2</u>	<u>X</u>						<u>X</u>	
		<u>1055</u>	<u>MW-145 DUP</u>											<u>X</u>	
		<u>1110</u>	<u>MW-155</u>											<u>X</u>	
		<u>1240</u>	<u>MW-035</u>											<u>X</u>	
			<u>Tip Blank</u>											<u>X</u>	

VOCs

RELINQUISHED BY: [Signature] DATE: 7/19/06 TIME: 1545  
 RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 RECEIVED BY: [Signature] DATE: 7/19/06 TIME: 1545  
 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



CLIENT/SUBJECT Linden Rd - G.M.

W.O. NO. \_\_\_\_\_

TASK DESCRIPTION GW Sampling

TASK NO. \_\_\_\_\_

PREPARED BY \_\_\_\_\_ DEPT \_\_\_\_\_ DATE 7/19/02

APPROVED BY \_\_\_\_\_

MATH CHECK BY \_\_\_\_\_ DEPT \_\_\_\_\_ DATE \_\_\_\_\_

METHOD REV. BY \_\_\_\_\_ DEPT \_\_\_\_\_ DATE \_\_\_\_\_

DEPT \_\_\_\_\_ DATE \_\_\_\_\_

Temp, 85°F

915 WESTON (L. Lapham) onsite. Construction work ongoing at property in front of site. Wells intact. Speak w/ construction foreman & inform that wells will be sampled today.

930 Start moving equipment to MW-14S

1030 Start pumping @ MW-14S. Excavation 10ft deep near MW-14S, w/ 10" pipe. Some seeps from excavation wall, discolored, potentially resulting from iron.

1055 Collect MW-14S sample & DUP. ✓

1115 Start pumping @ MW-15S.

1130 Observe two construction workers in 6' x 8' wide trench that is 8 to 10' deep (not associated w/ WESTON's work). Plan to contact Linda Karobka (WESTON) to notify safety problem.

1140 Collect MW-15S sample

1150 Speak w/ L. Karobka, plans to call Shel McFree (WESTON)

1215 Start pumping @ MW-03S

1230 Speak w/ L. Karobka, WESTON to mention concern when leaving site & HHS staff will possibly call MIOSHA.

1240 Collect MW-03S sample.

1300 Start down of equipment.

1330 Speak w/ construction staff, owner states not an issue since soil is clay. WESTON observes water in excavation.

1350 WESTON off site to lunch.

1545 Drop sample off @ site lab.

1615 Ship equipment @ FedEx.

1730 Return Rental Car.

*[Handwritten signature]*

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 (g)	pH	Conductivity	Temperature	DO	Redox	Pump Rate (ml/min)	Comments
7/19/06	MW-145	1055	MW-145	7.92 8.39 8.53 8.58	1030	0.2	6.84	1.282	16.64	1.44	-123.3	100	color: <u>silty brown/clear</u> sheen: yes <u>no</u> odor: yes <u>no</u> Sample Method: <u>Peristaltic Pump</u> Keck Pump Grundfos Pump Other:  Sampling Comments: <u>Construction near well,</u> <u>sample deep to hole dry</u> <u>w/in 10' of well, 10+ ft</u> <u>deep.</u>
					1035	0.5	6.81	1.266	16.42	0.41	-137.8	100	
					1040	0.8	6.80	1.260	16.39	0.41	-141.3	100	
					1043	1.0	6.79	1.295	16.30	0.41	-144.5	100	
					1046	1.2	6.81	1.319	16.20	0.45	-146.1	100	
					1049	1.4	6.79	1.334	16.21	0.47	-151.4	100	
					1052	1.6	6.79	1.348	16.27	0.49	-153.5	100	
Samplers: <u>KL</u>													
7/19/06	MW-155	1140	MW-155	10.23 10.65 10.81 10.93 10.99 11.05 11.11	1115	0.2	7.05	1.064	15.93	1.86	-61.3	100	color: <u>silty brown/clear</u> sheen: yes <u>no</u> odor: yes <u>no</u> Sample Method: <u>Peristaltic Pump</u> Keck Pump Grundfos Pump Other:  Sampling Comments: <u>See comments for MW-145</u>
					1120	0.5	6.94	1.058	15.97	0.98	-76.1	100	
					1125	0.8	6.89	1.056	15.91	1.23	-79.6	100	
					1128	1.0	6.85	1.057	15.85	1.53	-76.6	100	
					1130	1.2	6.83	1.059	15.81	1.63	-71.0	100	
					1136	1.5	6.82	1.058	15.99	1.72	-66.3	100	
					1139	1.8	6.81	1.059	16.02	1.75	-63.5	100	
Samplers: <u>KL</u>													
7/19/06	MW-035	1246	MW-035	5.10 5.39 5.49 5.65 5.73 5.79	1215	0.2	6.80	1.289	17.14	2.17.79	-161.0	100	color: <u>clear</u> sheen: yes <u>no</u> odor: yes <u>no</u> Sample Method: <u>Peristaltic Pump</u> Keck Pump Grundfos Pump Other:  Sampling Comments: <u>See comments for MW-145</u>
					1220	0.5	6.78	1.275	17.27	2.15.09	-163.0	100	
					1225	0.8	6.77	1.269	17.38	2.17.55	-165.6	100	
					1230	1.1	6.74	1.263	17.59	2.26.71	-163.9	100	
					1235	1.4	6.74	1.262	17.63	2.26.38	-162.9	100	
					1238	1.7	6.72	1.259	17.61	2.26.39	-158.1	100	
Samplers: <u>KL</u>													