

March 17, 2008  
File No. 21.0056372.0

Mr. Richard Eisenman  
Delphi Automotive Systems LLC  
1000 Lexington Ave  
Rochester, New York



Re: Additional Downgradient Groundwater Sampling  
Delphi Thermal Systems Facility  
Lockport, New York

Dear Mr. Eisenman:

535 Washington Street, 11th Floor  
Buffalo, New York 14203  
716-685-2300  
FAX 716-685-3629  
www.gza.com

GZA GeoEnvironmental of New York (GZA) prepared this letter report to summarize the results of the resampling of the five newly installed (November 2007) downgradient groundwater monitoring well at the above referenced Site (see Figure 1 in Attachment 1). The resampling was done on February 20, 2008.

On November 29 and 30, 2007, groundwater samples were collected from the five downgradient monitoring wells (MW-6-1, MW-6-2, MW-7-1, MW-7-2 and MW-7-3) and submitted to Free-Col Laboratories (Free-Col) for analytical testing for volatile organic compounds (VOCs) via EPA Method 8260 Target Analyte List (TCL). Table 1 in Attachment 1 is a summary of the November 2007 analytical results.

VOCs were detected in two of the five monitoring wells (MW-6-2 and MW-7-1). Trichloroethylene (TCE) was detected above method detection limits in the sample collected from MW-6-2 at a concentration of 25 parts per billion (ppb), which exceeds its respective Class GA<sup>1</sup> groundwater criteria of 5 ppb.

Four VOCs; TCE (110 ppb), 1,2-dichloroethenes (total) (8 ppb), benzene (3 ppb) and toluene (7 ppb) were detected at a concentration above their method detection limits in the sample collected from MW-7-1. The detected concentrations of the four compounds exceed their respective Class GA groundwater criteria of 5 ppb, 5 ppb, 1 ppb and 5 ppb.

No VOCs were detected above method detection limits in the groundwater samples analyzed from MW-6-1, MW-7-2 and MW-7-3.

GZA resampled the five monitoring wells in February 2008. The results are summarized on Table 1 and the laboratory report is included as Attachment 2. Low-flow sampling methodologies were used to purge and collect the groundwater samples. Water quality

<sup>1</sup> Division of Water Technical and Operational Guidance Series (1.1.1) "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" prepared by the New York State Department of Environmental Conservation, dated October 1993, revised 1998, ERRATA Sheet dated January 1999; and Addendum dated April 2000.

readings were not collected, but a minimum of 1.5 well volumes were purged after a constant head was established (MW-6-1, MW-6-2 and MW-7-3) or the well was purged dry (MW-7-1 and MW-7-2), prior to sample collection. Samples were submitted to Free-Col VOC TCL analysis.



Trichloroethylene (TCE) was detected above method detection limits at one sampling location, MW-7-1, at a concentration of 56 ppb. No other VOCs were detected above method detection limits at this sampling location and no VOCs were detected above method detection limits in the groundwater samples analyzed from MW-6-1, MW-6-2, MW-7-2 and MW-7-3.

The groundwater samples were kept on ice during collection/shipment and were refrigerated at the laboratory until analysis. However, the 7 day holding time for unpreserved groundwater samples was exceeded. The laboratory analyzed the samples on day 13. GZA proposes that monitoring well, MW-6-2 be resampled for VOCs. The results for MW-6-1, MW-7-2 and MW-7-3 are consistent (non-detect) and TCE was detected in the sample from MW-7-1 similar to the first sample round. Benzene, toluene and 1,2-dichloroethenes were not detected above method detection limits at MW-7-1, but the detected levels from the first sample round were very low.

Please do not hesitate to contact the undersigned if you have any questions or require any additional information.

Sincerely,

GZA GEOENVIRONMENTAL

A handwritten signature in blue ink that reads 'Cliff Boron'.

Christopher Boron  
Project Manager

A handwritten signature in blue ink that reads 'Ernest R. Hanna'.

Ernest R. Hanna, P.E.  
Principal

Attachment 1: Figure 1 – New Downgradient Monitoring Well Locations  
Table 1 – Summary of Groundwater Sample Result

Attachment 2: Free Col Laboratories Analytical Report

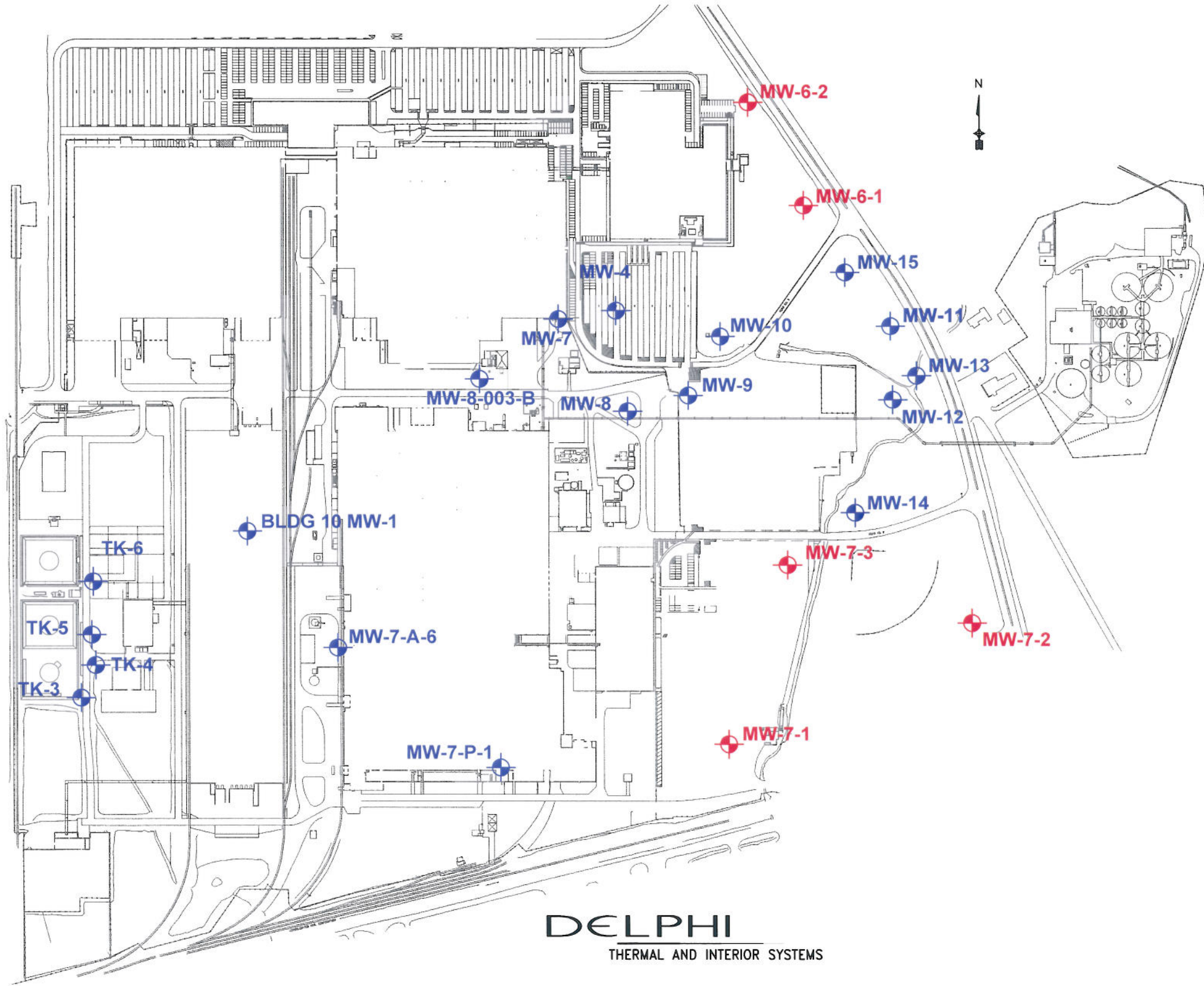
**ATTACHMENT 1**  
**TABLE & FIGURE**

**Table 1**  
 Groundwater Analytical Testing Results Summary  
 Additional Downgradient Groundwater Monitoring Wells  
 Delphi Lockport Complex  
 Lockport, New York

Parameter	NYSDEC Class GA Criteria	MW-6-1		MW-7-1		MW-7-2		MW-7-3	
		Feb-08	Nov-07	Feb-08	Nov-07	Feb-08	Nov-07	Feb-08	Nov-07
<b>VOC - EPA Method 8260 TCL (ug/L)</b>									
Benzene	1				3				
1,2-Dichloroethenes (total)	5				8				
Trichloroethylene	5		25	56	110				
Toluene	5				7				

**Notes:**

1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Free-Col Laboratory. Samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260 Target Compound List (TCL), only.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), June 1998.
4. ug/L = part per billion (ppb).
5. Blank indicates compound was not detected.
6. **BOLD** values exceeding guidance criteria.



**DELPHI**  
THERMAL AND INTERIOR SYSTEMS

**LEGEND:**

- **MW-7-2** APPROXIMATE LOCATION AND DESIGNATION OF MONITORING WELL INSTALLED NOVEMBER 2007.
- **MW-11** APPROXIMATE LOCATION AND DESIGNATION OF MONITORING WELL INSTALLED PREVIOUSLY.

**NOTES:**

1. BASE MAP ADAPTED FROM A DRAWING PROVIDED BY DELPHI THERMAL AND INTERIOR SYSTEMS SEPT. 2007.
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

<p><b>DELPHI AUTOMOTIVE SYSTEMS</b>  <b>DELPHI LOCKPORT FACILITY</b>                  200 UPPER MOUNTAIN ROAD, LOCKPORT, NEW YORK  <b>DOWNGRADIENT MONITORING WELL</b>                  SAMPLING - FEBRUARY 2008</p>	<p><b>GZA</b>                  GZA GeoEnvironmental of                  New York</p>
<p>APPROXIMATE SCALE IN FEET</p>	<p>DRAWN BY: DEW                  DATE: MARCH 2008</p>
<p><b>SITE PLAN</b></p>	
<p>PROJECT No.  <b>21.0056372</b></p>	
<p>FIGURE No.  <b>1</b></p>	

**ATTACHMENT 2**

**FREE COL LABORATORIES ANALYTICAL REPORT**



# FREE-COL LABORATORIES

11618 COTTON ROAD  
MEADVILLE, PENNSYLVANIA 16335

PHONE: (814) 724-6242

FAX: (814) 333-1466

EMAIL: [service@freecol.com](mailto:service@freecol.com)

Accredited Lab ID#  
Free-Col: 20-00073  
Modern Erie: 25-03459

## Certificate Of Analysis

Delivery Group ID: 2008:0001812

5 Sample(s) are included in this Delivery Group.

Company Name: Delphi Energy & Engine  
Contact Name: Mr. Rick Eisenman

Date Received 2/22/2008  
Time Received: 09:00  
Delivered By: UPS

100 Lexington Ave.  
Rochester NY 14606-2810

P.O. 460016825

Project Name: Downgradient Monitoring Wells

Printed on 03/12/2008 at 11:25AM

Sample ID: 2008:0001812-1 Client's Sample ID: MW-7-1  
Date Sampled: 2/20/2008 Time Sampled: 14:35 Date Received: 2/22/2008

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
<u>Organics</u>						
Chloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromomethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Vinyl Chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Methylene chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Acetone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Carbon Disulfide	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloroethenes (Total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chloroform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Butanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,1-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Carbon Tetrachloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Vinyl Acetate	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromodichloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,2,2-Tetrachloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloropropane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
trans-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Trichloroethene	0.056	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Dibromochloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,2-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Benzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
cis-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Chloroethylvinylether	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromoform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Hexanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
4-Methyl-2-Pentanone (MIBK)	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Tetrachloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B



**FREE-COL LABORATORIES**  
 11618 COTTON ROAD  
 MEADVILLE, PENNSYLVANIA 16335  
 PHONE: (814) 724-6242  
 FAX: (814) 333-1466  
 EMAIL: service@freecol.com

Accredited Lab ID#  
 Free-Col: 20-00073  
 Modern Erie: 25-03459

## Certificate Of Analysis

Delivery Group ID: 2008:0001812

5 Sample(s) are included in this Delivery Group.

Company Name: Delphi Energy & Engine  
 Contact Name: Mr. Rick Eisenman  
 100 Lexington Ave.  
 Rochester NY 14606-2810

Date Received 2/22/2008  
 Time Received: 09:00  
 Delivered By: UPS  
 P.O. 460016825

Project Name: Downgradient Monitoring Wells

Printed on 03/12/2008 at 11:25AM

Sample ID: 2008:0001812-1 Client's Sample ID: MW-7-1  
 Date Sampled: 2/20/2008 Time Sampled: 14:35 Date Received: 2/22/2008

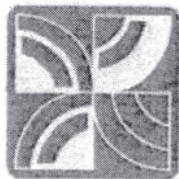
Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
<u>Organics (Continued)</u>						
Toluene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chlorobenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Ethylbenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Styrene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Xylenes (total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
cis-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
trans-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B

NOTE: This sample was not properly preserved. These results are intended for informational purposes only and should not be used for regulatory compliance

Sample ID: 2008:0001812-2 Client's Sample ID: MW-7-2  
 Date Sampled: 2/20/2008 Time Sampled: 14:30 Date Received: 2/22/2008

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
<u>Organics</u>						
Chloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromomethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Vinyl Chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Methylene chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Acetone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Carbon Disulfide	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloroethenes (Total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chloroform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B





# FREE-COL LABORATORIES

11618 COTTON ROAD  
MEADVILLE, PENNSYLVANIA 16335  
PHONE: (814) 724-6242  
FAX: (814) 333-1466  
EMAIL: service@freecol.com

Accredited Lab ID#  
Free-Col: 20-00073  
Modern Erie: 25-03459

## Certificate Of Analysis

Delivery Group ID: 2008:0001812

5 Sample(s) are included in this Delivery Group.

Company Name: Delphi Energy & Engine  
Contact Name: Mr. Rick Eisenman

Date Received 2/22/2008  
Time Received: 09:00  
Delivered By: UPS

100 Lexington Ave.  
Rochester NY 14606-2810

P.O. 460016825

Project Name: Downgradient Monitoring Wells

Printed on 03/12/2008 at 11:25AM

Sample ID: 2008:0001812-2 Client's Sample ID: MW-7-2  
Date Sampled: 2/20/2008 Time Sampled: 14:30 Date Received: 2/22/2008

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
<b><u>Organics (Continued)</u></b>						
2-Butanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,1-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Carbon Tetrachloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Vinyl Acetate	<0.02	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromodichloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,2,2-Tetrachloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloropropane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
trans-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Trichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Dibromochloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,2-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Benzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
cis-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Chloroethylvinylether	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromoform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Hexanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
4-Methyl-2-Pentanone (MIBK)	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Tetrachloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Toluene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chlorobenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Ethylbenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Styrene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Xylenes (total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
cis-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
trans-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B

NOTE: This sample was not properly preserved. These results are intended for informational purposes only and should not be used for regulatory compliance



**FREE-COL LABORATORIES**  
 11618 COTTON ROAD  
 MEADVILLE, PENNSYLVANIA 16335  
 PHONE: (814) 724-6242  
 FAX: (814) 333-1466  
 EMAIL: service@freecol.com

Accredited Lab ID#  
 Free-Col: 20-00073  
 Modern Erie: 25-03459

## Certificate Of Analysis

**Delivery Group ID: 2008:0001812**

5 Sample(s) are included in this Delivery Group.

Company Name: Delphi Energy & Engine  
 Contact Name: Mr. Rick Eisenman

Date Received 2/22/2008  
 Time Received: 09:00  
 Delivered By: UPS

100 Lexington Ave.  
 Rochester NY 14606-2810

P.O. 460016825

Project Name: Downgradient Monitoring Wells

Printed on 03/12/2008 at 11:25AM

Sample ID:	2008:0001812-3	Client's Sample ID:	MW-7-3	Date Analyzed:	03/04/08	Start Time:	16:33	Analyst:	Perrine	Method Source:	SW-846 8260B
Date Sampled:	2/20/2008	Time Sampled:	10:30	Date Received:	2/22/2008						
Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source					
<u>Organics</u>											
Chloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Bromomethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Vinyl Chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Chloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Methylene chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Acetone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Carbon Disulfide	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
1,1-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
1,1-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
1,2-Dichloroethenes (Total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Chloroform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
1,2-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
2-Butanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
1,1,1-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Carbon Tetrachloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Vinyl Acetate	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Bromodichloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
1,1,2,2-Tetrachloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
1,2-Dichloropropane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
trans-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Trichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Dibromochloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
1,1,2-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Benzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
cis-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
2-Chloroethylvinylether	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Bromoform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
2-Hexanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
4-Methyl-2-Pentanone (MIBK)	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					
Tetrachloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B					



# FREE-COL LABORATORIES

11618 COTTON ROAD  
MEADVILLE, PENNSYLVANIA 16335  
PHONE: (814) 724-6242  
FAX: (814) 333-1466  
EMAIL: [service@freecol.com](mailto:service@freecol.com)

Accredited Lab ID#  
Free-Col: 20-00073  
Modern Erie: 25-03459

## Certificate Of Analysis

Delivery Group ID: 2008:0001812

5 Sample(s) are included in this Delivery Group.

Company Name: Delphi Energy & Engine  
Contact Name: Mr. Rick Eisenman

Date Received 2/22/2008  
Time Received: 09:00  
Delivered By: UPS

100 Lexington Ave.  
Rochester NY 14606-2810

P.O. 460016825

Project Name: Downgradient Monitoring Wells

Printed on 03/12/2008 at 11:25AM

Sample ID: 2008:0001812-3 Client's Sample ID: MW-7-3  
Date Sampled: 2/20/2008 Time Sampled: 10:30 Date Received: 2/22/2008

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
<u>Organics (Continued)</u>						
Toluene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chlorobenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Ethylbenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Styrene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Xylenes (total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
cis-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
trans-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B

NOTE: This sample was not properly preserved. These results are intended for informational purposes only and should not be used for regulatory compliance

Sample ID: 2008:0001812-4 Client's Sample ID: MW-6-1  
Date Sampled: 2/20/2008 Time Sampled: 14:20 Date Received: 2/22/2008

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
<u>Organics</u>						
Chloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromomethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Vinyl Chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Methylene chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Acetone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Carbon Disulfide	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloroethenes (Total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chloroform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B



# FREE-COL LABORATORIES

11618 COTTON ROAD  
MEADVILLE, PENNSYLVANIA 16335  
PHONE: (814) 724-6242  
FAX: (814) 333-1466  
EMAIL: service@freecol.com

Accredited Lab ID#  
Free-Col: 20-00073  
Modern Erie: 25-03459

## Certificate Of Analysis

Delivery Group ID: 2008:0001812

5 Sample(s) are included in this Delivery Group.

Company Name: Delphi Energy & Engine  
Contact Name: Mr. Rick Eisenman

Date Received 2/22/2008  
Time Received: 09:00  
Delivered By: UPS

100 Lexington Ave.  
Rochester NY 14606-2810

P.O. 460016825

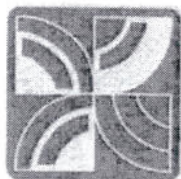
Project Name: Downgradient Monitoring Wells

Printed on 03/12/2008 at 11:25AM

Sample ID: 2008:0001812-4 Client's Sample ID: MW-6-1  
Date Sampled: 2/20/2008 Time Sampled: 14:20 Date Received: 2/22/2008

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
<u>Organics (Continued)</u>						
2-Butanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,1-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Carbon Tetrachloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Vinyl Acetate	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromodichloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,2,2-Tetrachloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloropropane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
trans-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Trichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Dibromochloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,2-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Benzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
cis-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Chloroethylvinylether	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromoform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Hexanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
4-Methyl-2-Pentanone (MIBK)	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Tetrachloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Toluene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chlorobenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Ethylbenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Styrene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Xylenes (total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
cis-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
trans-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B

NOTE: This sample was not properly preserved. These results are intended for informational purposes only and should not be used for regulatory compliance



# FREE-COL LABORATORIES

11618 COTTON ROAD  
MEADVILLE, PENNSYLVANIA 16335  
PHONE: (814) 724-6242  
FAX: (814) 333-1466  
EMAIL: service@freecol.com

Accredited Lab ID#  
Free-Col: 20-00073  
Modern Erie: 25-03459

## Certificate Of Analysis

Delivery Group ID: 2008:0001812

5 Sample(s) are included in this Delivery Group.

Company Name: Delphi Energy & Engine  
Contact Name: Mr. Rick Eisenman

Date Received 2/22/2008  
Time Received: 09:00  
Delivered By: UPS

100 Lexington Ave.  
Rochester NY 14606-2810

P.O. 460016825

Project Name: Downgradient Monitoring Wells

Printed on 03/12/2008 at 11:25AM

Sample ID: 2008:0001812-5      Client's Sample ID: MW-6-2  
Date Sampled: 2/20/2008      Time Sampled: 12:00      Date Received: 2/22/2008

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
<u>Organics</u>						
Chloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromomethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Vinyl Chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Methylene chloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Acetone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Carbon Disulfide	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloroethenes (Total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chloroform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Butanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,1-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Carbon Tetrachloride	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Vinyl Acetate	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromodichloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,2,2-Tetrachloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,2-Dichloropropane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
trans-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Trichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Dibromochloromethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
1,1,2-Trichloroethane	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Benzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
cis-1,3-Dichloropropene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Chloroethylvinylether	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Bromoform	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
2-Hexanone	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
4-Methyl-2-Pentanone (MIBK)	<0.010	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Tetrachloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B



# FREE-COL LABORATORIES

11618 COTTON ROAD  
MEADVILLE, PENNSYLVANIA 16335  
PHONE: (814) 724-6242  
FAX: (814) 333-1466  
EMAIL: [service@freecol.com](mailto:service@freecol.com)

Accredited Lab ID#  
Free-Col: 20-00073  
Modern Erie: 25-03459

## Certificate Of Analysis

Delivery Group ID: 2008:0001812

5 Sample(s) are included in this Delivery Group.

Company Name: Delphi Energy & Engine  
Contact Name: Mr. Rick Eisenman

Date Received 2/22/2008  
Time Received: 09:00  
Delivered By: UPS

100 Lexington Ave.  
Rochester NY 14606-2810

P.O. 460016825

Project Name: Downgradient Monitoring Wells

Printed on 03/12/2008 at 11:25AM

---

Sample ID:	2008:0001812-5	Client's Sample ID:	MW-6-2			
Date Sampled:	2/20/2008	Time Sampled:	12:00	Date Received:	2/22/2008	
Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source

### Organics (Continued)

Toluene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Chlorobenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Ethylbenzene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Styrene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
Xylenes (total)	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
cis-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B
trans-1,2-Dichloroethene	<0.002	mg/L	03/04/08	16:33	Perrine	SW-846 8260B

NOTE: This sample was not properly preserved. These results are intended for informational purposes only and should not be used for regulatory compliance  
CC: GZA

**CHAIN-OF-CUSTODY RECORD**

W.O. # \_\_\_\_\_  
(for lab use only)

Sample I.D.	Date/Time Sampled	Matrix A=Air S=Soil GW=Ground W. SW=Surface W WW=Waste W. DW=Drinking W P=Product Other (specify)	ANALYSIS REQUIRED	Total No. of Cont.	Note #
MW-7-1	2/20/08: 1435	GW	GC Methane, Ethane, Ethene EPA 8260 - Full List EPA 8260 - STARS List EPA 8021 - Full List EPA 8021 - STARS List EPA 524 2 DW VOCs EPA 624 WW VOCs EPA 601 602 WW VOCs EPA 8270 SVOCs - Full List EPA 8270 STARS (PAHs) EPA 8270 A B N EPA 625 WW SVOCs EPA 8082-PCBs EPA 8081-Pest TPH-GC (Mod 8100) TPH-GC w/ING Metals R-8 Metals TAL List Metals TAL List w/CN Metals (List Below) ** TCLP - Specify Below SPLP - Specify Below EPA 300 Cl NO3 SO4	2	
MW-7-2	2/20/08: 1430	GW		3	
MW-7-3	2/20/08: 1030	GW		3	
MW-6-1	2/20/08: 1420	GW		3	
MW-6-2	2/20/08: 1200	GW		3	

NOTES: (Unless otherwise noted, all samples have been refrigerated to 4 +/- 2°C)  
\*Specify "Other" preservatives and container types in this space.

RELINQUISHED BY: Chris Boron DATE/TIME: 2/21/2008 1600  
RECEIVED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_  
RELINQUISHED BY: Chris Boron DATE/TIME: 2/20/08 9:00  
RECEIVED BY: [Signature] DATE/TIME: 2/22-3/14/08

Project Manager: Chris Boron  
**GZA GEOENVIRONMENTAL, INC.**  
535 Washington Street  
11th Floor  
Buffalo, NY 14203  
(716) 685-2300  
FAX (716) 685-3629

TURNAROUND TIME: Standard Rush \_\_\_\_\_ Days, Approved by: \_\_\_\_\_  
LAB USE: \_\_\_\_\_  
TEMP. OF COOLER: \_\_\_\_\_ °C  
Temp Blank \_\_\_\_\_  
Cooler Air \_\_\_\_\_  
GZA FILE NO: 21-0056372.00 TASK NO: \_\_\_\_\_ P.O. NO: Bill Delphi Directly - Rick Eisenman  
PROJECT: Downgradient Monitoring Wells  
LOCATION: Delphi Lockport Facility  
COLLECTOR(S): C. Boron Sheet \_\_\_\_\_ OF \_\_\_\_\_

1812  
1  
2  
3  
4  
5

2V  
3V-4