

December 15, 2006
File No. 21.0056192.10



Mr. Glenn May
NYSDEC Region 9
270 Michigan
Buffalo, New York

Re: Results of October 2006 Groundwater Sampling
Delphi Thermal Facility
Lockport, New York

Dear Mr. May:

364 Nagel Drive
Buffalo
New York
14225
716-685-2300
Fax: 716-685-3629
www.gza.com

GZA GeoEnvironmental of New York (GZA), as requested by Delphi Thermal and on its behalf, prepared this letter report to summarize the results of our October 24th and 25th, 2006 groundwater sampling and natural attenuation parameter monitoring event at the above referenced Site. This work was completed as requested in your September 14, 2006 electronic mail to Richard Eisenman (Delphi). Six monitoring wells (MW-7, MW-11, MW-12, MW-13, MW-14 and MW-15) were monitoring and sampled as requested (see Figure 1 for locations).

GROUNDWATER MONITORING & SAMPLING

The natural attenuation monitoring and groundwater sampling was done using low flow sampling techniques. A peristaltic pump, disposable polyethylene tubing and a water quality meter, with flow through cell, were used to collect water quality readings and groundwater samples. Data was collected for the following parameters, consistent with previous sample rounds.

Field Measured Parameters: temperature, specific conductance, pH, turbidity, dissolved oxygen (DO) and oxidation reduction potential (ORP).

Compounds of Concerns: tetrachloroethylene, trichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene and vinyl chloride.

Natural Attenuation Parameters: methane, iron, magnesium, manganese, potassium, sodium, alkalinity, total organic carbon, chloride, ammonia, nitrate, nitrite, sulfate and sulfide.

Groundwater pumping rates used during the monitoring/sampling varied at monitoring locations in order to establish a relatively constant head during the pumping/monitoring. Once a constant head was established within the monitoring well, the flow rates were maintained throughout the monitoring/sampling period. Samples were collected for analysis when water quality readings stabilized. The following table shows the volume of water and well volumes purged after a constant head was established. It should be noted that a constant head could not be established at MW-7, therefore, the monitoring well was purged dry and allowed to recharge for approximately 1.5 hours prior to sample collection.

Monitoring Well ID	Volume Purged (gallons)	Well Volumes (#)
MW-7 *	7.5	2.3
MW-11	6	1.8
MW-12	4.5	2.7
MW-13	4.5	2.9
MW-14	4	1.4
MW-15	4	2.3

Note: 1) * = constant head could not be established during purging.

Static groundwater level measurements made from the six monitoring wells sampled prior to purging. The groundwater elevations indicate that the groundwater flow direction was to the east, which is consistent with the flow direction from previous sampling events.

ANALYTICAL RESULTS

Groundwater samples were collected and sampled for compounds of concern (chlorinated compounds) and natural attenuation parameters consistent with previous sample rounds. Results of the compounds of concern for this sample event are shown on Figure 1 along with the data from previous sample rounds. Results of the natural attenuation parameter monitoring are shown on Table 1 along with the data from previous sample rounds. The laboratory report is also attached to this letter report.

The analytical results shown on Figure 1 and Table 1 are consistent with previous sample rounds and indicate that natural attenuation is continuing at the Site and the groundwater plume is still in a steady state.

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

Sincerely,

GZA GEOENVIRONMENTAL OF NEW YORK



Christopher Boron
Project Manager

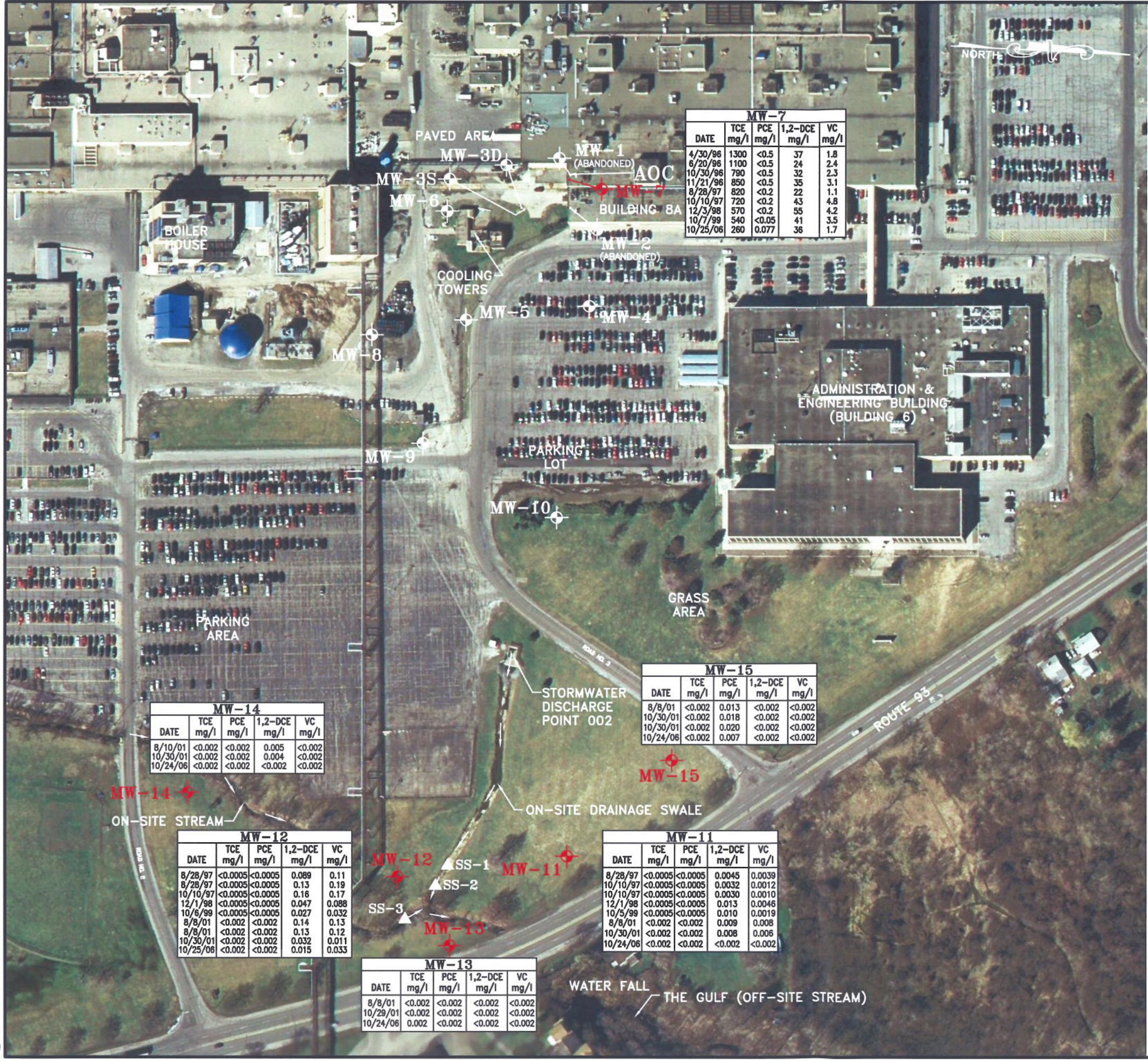


Ernest R. Hanna, P.E.
Principal

Attachments: Figure 1 – Site Plan & Compound of Concern Analytical Data
Table 1 – Natural Attenuation Parameter Results
Free Col Laboratories Analytical Report

CC: Mr. Richard Eisenman (Delphi, Rochester)

Table 1 Summary of Groundwater Field Measurements and Analytical Test Results for Natural Attenuation Parameters																													
Field Parameters		Analytical Test Results - Inorganic and Miscellaneous Water Quality Parameters																											
Location	Sample Date	Temp. (Deg. C)	Specific Cond. (mS/cm)	DO (mg/l)	ORP (mv)	pH (Std Units)	Methane (mg/l)	Organic Carbon (mg/l)	Alkalinity (mg/l)	Ammonia (mg/l)	Chloride (mg/l)	Nitrate (mg/l)	Nitrite (mg/l)	Nitrate Nitrite (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	Calcium (mg/l)	Dissolved Calcium (mg/l)	Iron (mg/l)	Dissolved Iron (mg/l)	Magnesium (mg/l)	Dissolved Magnesium (mg/l)	Manganese (mg/l)	Dissolved Manganese (mg/l)	Sodium (mg/l)	Dissolved Sodium (mg/l)	Potassium (mg/l)	Dissolved Potassium (mg/l)	
MW-3S	12/3/1998	15.8	1,300	1.27	-49	7.2	0.1	28	487	0.26	173	0.41	<0.05		2	0.3	238	223	7.31	6.84	35.6	31.8	1.31	1.17	67.1	66.5	5.46	4.71	
MW-3S ²	10/7/99 (during purging)	16.1	1,422	0.67	-133	7.2																							
MW-3S ²	10/7/99 (prior to sampling)	15.8	1,254	7.8	24.3	7.0	0.007	51	480	0.16	233			0.07	14	0.3	190	184	1.01	0.10	35.8	36.4	1.00	0.98	55.4	64.3	4.1	4.4	
MW-4	12/2/1998	14.2	2,730	0.23	-56	6.6	2.9	19	354	1.23	986	0.30	<0.05		120	0.2	503	443	0.58	0.51	105	106	0.40	0.32	282	293	13.3	12.8	
MW-4 DUP	12/2/1998	NA	NA	NA	NA	NA	5.5	8	368	1.57	971	0.05	<0.05		120	0.2	431	335	0.59	0.52	107	100	0.39	0.34	282	306	13.2	13.5	
MW-4	10/7/1999	13.8	3,412	0.08	-92.8	6.7	4.2	47	360	1.03	1010			0.08	110	0.3	269	318	0.42	0.45	98	116	0.23	0.34	240	305	10.4	13.1	
MW-4	8/9/2001	12.6	3,420	0.12	-5.1	6.5	0.12	20.2	366	1.20	1300	0.11	<0.05		190	0.2	371		1.01		107				0.54		384		12.7
MW-4	10/31/2001	13.8	3,444	0.10	-128.0	6.6	3.3	10.8	366	1.17	1100	<0.05	<0.05		160	1.2			0.77		102				0.46		358		12.3
MW-6	12/2/1998	19.5	3,740	0.30	-67	6.8	0.84	9	319	0.45	897	0.22	<0.05		160	0.2	161	156	7.98	1.13	35.6	28.8	0.48	0.29	619	638	9.64	9.51	
MW-6	10/7/1999	21.9	3,283	0.12	-145.8	7.1	0.34	30	260	0.32	476			0.09	140	0.4	86.4	108	3.62	0.55	24	30.2	0.24	0.19	300	311	7.4	8.8	
MW-7	12/3/1998	17.3	3,130	0.33	-35	7.0	0.06	36	376	1.43	944	0.29	<0.05		200	0.4	382	375	0.14	0.02	118	136	<0.01	<0.01	288	351	20.5	23.0	
MW-7 ³	10/7/1999	19.4	3,049	0.69	-52	7.1	0.02	58	420	1.10	1,180			0.11	180	0.4	286	255	0.86	0.05	138	145	0.05	0.02	292	306	21.4	24.0	
MW-7	10/25/2006	17.4	2,620	1.08	-92	7.1	0.06	28	376	1.33	600	<0.05	<0.05		470	<0.01			0.23		112				0.02		237		19.4
MW-8	12/2/1998	16.7	3,210	0.90	-68	6.9	0.09	12	300	0.40	138	<0.05	<0.05		550	0.2	215	227	0.33	0.17	76	78	0.31	0.32	102	114	6.31	6.67	
MW-8	10/7/1999	19.7	1,640	0.08	-116.1	7.1	0.04	19	280	0.33	144			0.10	570	0.3	174	188	0.22	0.15	82.4	97.5	0.30	0.31	112	110	7.6	8.1	
MW-9	12/2/1998	16.2	7,150	1.6	120	6.9	0.04	3	309	0.23	640	0.25	<0.05		680	<0.1	330	300	0.33	<0.01	89	84.5	1.74	0.93	444	445	5.52	5.91	
MW-9	10/5/1999	18.7	4,042	0.08	103.5	6.9	0.02	24	330	0.20	963	0.46	<0.05		520	<0.1	250	283	0.20	0.02	63.8	89	1.36	0.99	476	535	4.6	26.5	
MW-9 DUP	10/5/1999	NA	NA	NA	NA	NA	0.02	27	340	0.14	833	0.63	<0.05		490	<0.1	252	284	0.20	0.02	72	86	1.46	0.94	478	560	5.0	5.6	
MW-10	12/1/1998	14.5	4,100	0.40	-13.7	6.7	0.23	11	320	0.32	1220	0.19	<0.05		270	0.2	310	305	1.95	0.76	54.6	85.5	2.30	2.07	584	645	13.4	13.2	
MW-10	10/5/1999	14.2	4,775	0.07	-2.0	6.8	0.14	24	280	0.29	1010	0.15	0.10		240	<0.1	39.8	254	0.73	0.04	9.94	102	0.99	1.12	33.2	635	18.8	10.1	
MW-10	8/9/2001	12.2	5,033	0.17	249.1	6.6	0.018	10.0	334	0.16	1700	0.08	<0.05		330	0.1	330		0.14		98.9	99.6	1.66		857	845	9.2		
MW-10	10/31/2001	14.4	3,990	0.15	90.9	6.7	0.20	3.6	336	0.12	2800	0.17	<0.05		280	1.6			0.05		92.1		0.91		720		7.6		
MW-11	12/1/1998	11.9	4,360	0.22	-271	7.6	0.01	17	275	0.58	188	0.17	<0.05		110	0.2	122	97.3	1.00	0.26	39.0	36.4	0.11	0.08	116	129	8.88	10.1	
MW-11	10/5/1999	11.9	5,228	2.34	-231	7.7	0.05	20	270	0.76	192	0.05	<0.05		210	0.5	93.4	150	0.34	0.30	46.4	103	0.08	0.08	180	695	10.9	27	
MW-11	8/8/2001	10.4	3,576	0.12	-73.6	7.4	<0.002	12.0	285	0.46	250	<0.05	<0.05		140	0.1	111		0.14		43.2		0.12		130		8.0		
MW-11	10/30/2001	12.0	4,126	0.04	-248.8	7.5	<0.002	3.1	265	0.46	230	<0.05	<0.05		110	2.8			0.02		38.7		0.41		120		9.1		
MW-11																													



PROJECT No.	21.0056192.10
OCTOBER 2006 SAMPLING	LOCKPORT, NEW YORK
GROUNDWATER ANALYTICAL TEST RESULTS	FOR TARGET CHLORINATED COMPOUNDS
DELPHI HARRISON THERMAL SYSTEMS	APPROXIMATE SCALE IN FEET
200 UPPER MOUNTAIN ROAD	0 90 180 360
AOC	DRAWN BY: DEW
FIGURE No.	DATE: DECEMBER 2006
GZA GeoEnvironmental of New York	GZA GeoEnvironmental of New York
	GZA



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

Certificate Of Analysis

Delivery Group ID: 2006:0012782

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

Company Name: Delphi Energy & Engine

Date Received 10/26/2006

Contact Name: Mr. Rick Eisenman

Time Received: 09:10

P.O. Box 92700
Rochester NY 14692

Delivered By: UPS

P.O. 450134428

Project Name: Delphi Thermal

Printed on 12/01/2006 at 02:07PM

Sample ID: 2006:0012782-1

Client's Sample ID: MW-13

Date Sampled: 10/24/2006 Time Sampled:

Date Received: 10/26/2006

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method	Source
<u>Prep Group</u>							
Prep: 3005A Met Total Rec			10/29/06	03:00	Davis	SW-846	3005A
<u>Organics</u>							
cis-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
trans-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
Methane	0.16	mg/L	11/03/06	12:45	Williams	SW-846	8015B Mod
Tetrachloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
Trichloroethylene	0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
Vinyl chloride	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
<u>Metals</u>							
Iron (Fe)	9.21	mg/L	11/14/06	13:30	Kozakovsky	SW-846	6010B
Magnesium (Mg)	53.7	mg/L	11/13/06	18:30	Kozakovsky	SW-846	6010B
Manganese (Mn)	6.03	mg/L	11/14/06	13:30	Kozakovsky	SW-846	6010B
Potassium (K)	9.1	mg/L	11/13/06	18:30	Kozakovsky	SW-846	6010B
Sodium (Na)	1210	mg/L	11/15/06	12:00	Kozakovsky	SW-846	6010B
<u>General Chemistry</u>							
Alkalinity (as CaCO ₃)	431	mg/L	10/30/06	15:15	Bleicher	SM 2320	B
Total Organic Carbon	8.4	mg/L	10/27/06	13:30	Bleicher	SW-846	9060
Chloride	2200	mg/L	11/01/06	13:30	Bleicher	EPA	325.3
Nitrogen, Ammonia	1.35	mg/L	11/02/06	08:00	Dine	EPA	350.2
Nitrogen, Nitrate	<0.05	mg/L	10/26/06	19:45	Adsit	EPA	353.2
Nitrogen, Nitrite	<0.05	mg/L	10/26/06	19:45	Bleicher	EPA	353.2
Sulfate	98	mg/L	11/06/06	08:00	Dine	SW-846	9038
Sulfide, Direct	<0.1	mg/L	10/31/06	08:00	Adsit	EPA	376.1

Metal analyses, excluding Iron, Magnesium, Manganese, Potassium, and Sodium, were performed by Modern Industries, Inc., Erie, PA.



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EMAIL: service@freecol.com

Certificate Of Analysis

Delivery Group ID: 2006:0012782

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

Company Name: Delphi Energy & Engine

Date Received 10/26/2006

Contact Name: Mr. Rick Eisenman

Time Received: 09:10

P.O. Box 92700
Rochester NY 14692

Delivered By: UPS

P.O. 450134428

Project Name: Delphi Thermal

Printed on 12/01/2006 at 02:07PM

Sample ID:	2006:0012782-2	Client's Sample ID:	MW-14			
Date Sampled:	10/24/2006	Time Sampled:	Date Received:	10/26/2006		
Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
Prep Group						
Prep: 3005A Met Total Rec			10/29/06	03:00	Davis	SW-846 3005A
Organics						
cis-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
trans-1,2-Dichloroethylene	<0.002	mg/L	11/06/06	17:30	Perrine	SW-846 8260B
Methane	0.31	mg/L	11/03/06	12:45	Williams	SW-846 8015B Mod
Tetrachloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Trichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Vinyl chloride	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Metals						
Iron (Fe)	0.15	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Magnesium (Mg)	94.9	mg/L	11/13/06	18:30	Kozakovsky	SW-846 6010B
Manganese (Mn)	0.20	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Potassium (K)	8.0	mg/L	11/13/06	18:30	Kozakovsky	SW-846 6010B
Sodium (Na)	831	mg/L	11/15/06	12:00	Kozakovsky	SW-846 6010B
General Chemistry						
Alkalinity (as CaCO ₃)	336	mg/L	10/30/06	15:15	Bleicher	SM 2320 B
Total Organic Carbon	3.3	mg/L	10/27/06	13:30	Bleicher	SW-846 9060
Chloride	1700	mg/L	11/01/06	13:30	Bleicher	EPA 325.3
Nitrogen, Ammonia	0.25	mg/L	11/02/06	08:00	Dine	EPA 350.2
Nitrogen, Nitrate	<0.05	mg/L	10/26/06	19:45	Adsit	EPA 353.2
Nitrogen, Nitrite	<0.05	mg/L	10/26/06	19:45	Bleicher	EPA 353.2
Sulfate	88	mg/L	11/06/06	08:00	Dine	SW-846 9038
Sulfide, Direct	<0.1	mg/L	10/31/06	08:00	Adsit	EPA 376.1

Metal analyses, excluding Iron, Magnesium, Manganese, Potassium, and Sodium, were performed by Modern Industries, Inc., Erie, PA.



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Certificate Of Analysis

Delivery Group ID: 2006:0012782

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

Company Name: Delphi Energy & Engine

Date Received 10/26/2006

Contact Name: Mr. Rick Eisenman

Time Received: 09:10

P.O. Box 92700
Rochester NY 14692

Delivered By: UPS

P.O. 450134428

Project Name: Delphi Thermal

Printed on 12/01/2006 at 02:07PM

Sample ID: 2006:0012782-3

Client's Sample ID: MW-15

Date Sampled: 10/24/2006 Time Sampled:

Date Received: 10/26/2006

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
Prep Group						
Prep: 3005A Met Total Rec			10/29/06	03:00	Davis	SW-846 3005A
Organics						
cis-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
trans-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Methane	<0.002	mg/L	11/03/06	12:45	Williams	SW-846 8015B Mod
Tetrachloroethylene	0.007	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Trichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Vinyl chloride	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Metals						
Iron (Fe)	<0.02	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Magnesium (Mg)	62.3	mg/L	11/13/06	18:30	Kozakovsky	SW-846 6010B
Manganese (Mn)	0.27	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Potassium (K)	4.7	mg/L	11/13/06	18:30	Kozakovsky	SW-846 6010B
Sodium (Na)	311	mg/L	11/15/06	12:00	Kozakovsky	SW-846 6010B
General Chemistry						
Alkalinity (as CaCO ₃)	434	mg/L	10/30/06	15:15	Bleicher	SM 2320 B
Total Organic Carbon	3.6	mg/L	10/27/06	13:30	Bleicher	SW-846 9060
Chloride	660	mg/L	11/01/06	13:30	Bleicher	EPA 325.3
Nitrogen, Ammonia	0.09	mg/L	11/02/06	08:00	Dine	EPA 350.2
Nitrogen, Nitrate	1.89	mg/L	10/26/06	19:45	Adsit	EPA 353.2
Nitrogen, Nitrite	<0.05	mg/L	10/26/06	19:45	Bleicher	EPA 353.2
Sulfate	84	mg/L	11/06/06	08:00	Dine	SW-846 9038
Sulfide, Direct	<0.1	mg/L	10/31/06	08:00	Adsit	EPA 376.1

Metal analyses, excluding Iron, Magnesium, Manganese, Potassium, and Sodium, were performed by Modern Industries, Inc., Erie, PA.



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Delivery Group ID: 2006:0012782

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Contact Name: Mr. Rick Eisenman

Time Received: 09:10

P.O. Box 92700
Rochester NY 14692

Delivered By: UPS

P.O. 450134428

Project Name: Delphi Thermal

Printed on 12/01/2006 at 02:07PM

Sample ID: 2006:0012782-4

Client's Sample ID: MW-11

Date Sampled: 10/24/2006 Time Sampled:

Date Received: 10/26/2006

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
Prep Group						
Prep: 3005A Met Total Rec			10/29/06	03:00	Davis	SW-846 3005A
Organics						
cis-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
trans-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Methane	0.008	mg/L	11/03/06	12:45	Williams	SW-846 8015B Mod
Tetrachloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Trichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Vinyl chloride	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Metals						
Iron (Fe)	0.80	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Magnesium (Mg)	30.7	mg/L	11/13/06	18:30	Kozakovsky	SW-846 6010B
Manganese (Mn)	0.08	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Potassium (K)	7.6	mg/L	11/13/06	18:30	Kozakovsky	SW-846 6010B
Sodium (Na)	84.7	mg/L	11/15/06	12:00	Kozakovsky	SW-846 6010B
General Chemistry						
Alkalinity (as CaCO ₃)	341	mg/L	10/30/06	15:15	Bleicher	SM 2320 B
Total Organic Carbon	1.9	mg/L	10/27/06	13:30	Bleicher	SW-846 9060
Chloride	108	mg/L	11/01/06	13:30	Bleicher	EPA 325.3
Nitrogen, Ammonia	0.12	mg/L	11/02/06	08:00	Dine	EPA 350.2
Nitrogen, Nitrate	0.16	mg/L	10/26/06	19:45	Adsit	EPA 353.2
Nitrogen, Nitrite	<0.05	mg/L	10/26/09	19:45	Bleicher	EPA 353.2
Sulfate	66	mg/L	11/06/06	08:00	Dine	SW-846 9038
Sulfide, Direct	<0.1	mg/L	10/31/06	08:00	Adsit	EPA 376.1

Metal analyses, excluding Iron, Magnesium, Manganese, Potassium, and Sodium, were performed by Modern Industries, Inc., Erie, PA.



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

Certificate Of Analysis

Delivery Group ID: 2006:0012782

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

Company Name: Delphi Energy & Engine

Date Received 10/26/2006

Contact Name: Mr. Rick Eisenman

Time Received: 09:10

P.O. Box 92700
Rochester NY 14692

Delivered By: UPS

P.O. 450134428

Project Name: Delphi Thermal

Printed on 12/01/2006 at 02:07PM

Sample ID: 2006:0012782-5

Client's Sample ID:

MW-12

Date Sampled: 10/25/2006 **Time Sampled:**

Date Received: 10/26/2006

Analyte

Result

Units

Date Analyzed

Start Time

Analyst

Method Source

Prep Group

Prep: 3005A Met Total Rec		10/29/06	03:00	Davis	SW-846 3005A
<u>Organics</u>					
cis-1,2-Dichloroethylene	0.015	mg/L	11/02/06	17:30	Perrine
trans-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine
Methane	0.024	mg/L	11/03/06	12:45	Williams
Tetrachloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine
Trichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine
Vinyl chloride	0.033	mg/L	11/02/06	17:30	Perrine

Metals

Iron (Fe)	7.50	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Magnesium (Mg)	44.8	mg/L	11/13/06	18:30	Kozakovsky	SW-846 6010B
Manganese (Mn)	6.02	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Potassium (K)	4.5	mg/L	11/13/06	18:30	Kozakovsky	SW-846 6010B
Sodium (Na)	684	mg/L	11/15/06	12:00	Kozakovsky	SW-846 6010B

General Chemistry

Alkalinity (as CaCO ₃)	333	mg/L	10/30/06	15:15	Bleicher	SM 2320 B
Total Organic Carbon	6.5	mg/L	10/27/06	13:30	Bleicher	SW-846 9060
Chloride	1300	mg/L	11/01/06	13:30	Bleicher	EPA 325.3
Nitrogen, Ammonia	1.55	mg/L	11/02/06	08:00	Dine	EPA 350.2
Nitrogen, Nitrate	<0.05	mg/L	10/26/06	19:45	Adsit	EPA 353.2
Nitrogen, Nitrite	<0.05	mg/L	10/26/06	19:45	Bleicher	EPA 353.2
Sulfate	110	mg/L	11/06/06	08:00	Dine	SW-846 9038
Sulfide, Direct	<0.1	mg/L	10/31/06	08:00	Adsit	EPA 376.1

Metal analyses, excluding Iron, Magnesium, Manganese, Potassium, and Sodium, were performed by Modern Industries, Inc., Erie, PA.



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

Certificate Of Analysis

Delivery Group ID: 2006:0012782

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

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

Date Received 10/26/2006
Time Received: 09:10
Delivered By: UPS

P.O. Box 92700
Rochester NY 14692

P.O. 450134428

Project Name: Delphi Thermal

Printed on 12/01/2006 at 02:07PM

Sample ID: 2006:0012782-6

Client's Sample ID: MW-7

Date Sampled: 10/25/2006 Time Sampled:

Date Received: 10/26/2006

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method Source
Prep Group						
Prep: 3005A Met Total Rec			10/29/06	03:00	Davis	SW-846 3005A
Organics						
cis-1,2-Dichloroethylene	35.8	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
trans-1,2-Dichloroethylene	0.062	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Methane	0.060	mg/L	11/03/06	12:45	Williams	SW-846 8015B Mod
Tetrachloroethylene	0.077	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Trichloroethylene	260	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Vinyl chloride	1.7	mg/L	11/02/06	17:30	Perrine	SW-846 8260B
Metals						
Iron (Fe)	0.23	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Magnesium (Mg)	112.2	mg/L	11/21/06	14:00	Kozakovsky	SW-846 6010B
Manganese (Mn)	0.02	mg/L	11/14/06	13:30	Kozakovsky	SW-846 6010B
Potassium (K)	19.4	mg/L	11/13/06	18:30	Kozakovsky	SW-846 6010B
Sodium (Na)	237	mg/L	11/15/06	12:00	Kozakovsky	SW-846 6010B
General Chemistry						
Alkalinity (as CaCO ₃)	367	mg/L	10/30/06	15:15	Bleicher	SM 2320 B
Total Organic Carbon	27.6	mg/L	10/27/06	13:30	Bleicher	SW-846 9060
Chloride	600	mg/L	11/01/06	13:30	Bleicher	EPA 325.3
Nitrogen, Ammonia	1.33	mg/L	11/02/06	08:00	Dine	EPA 350.2
Nitrogen, Nitrate	<0.05	mg/L	10/26/06	19:45	Adsit	EPA 353.2
Nitrogen, Nitrite	<0.05	mg/L	10/26/06	19:45	Bleicher	EPA 353.2
Sulfate	470	mg/L	11/06/06	08:00	Dine	SW-846 9038
Sulfide, Direct	<0.1	mg/L	10/31/06	08:00	Adsit	EPA 376.1

Metal analyses, excluding Iron, Manganese, Potassium, and Sodium, were performed by Modern Industries, Inc., Erie, PA.



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

Certificate Of Analysis

Delivery Group ID: 2006:0012782

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

Company Name: Delphi Energy & Engine

Date Received 10/26/2006

Contact Name: Mr. Rick Eisenman

Time Received: 09:10

P.O. Box 92700
Rochester NY 14692

Delivered By: UPS

P.O. 450134428

Project Name: Delphi Thermal

Printed on 12/01/2006 at 02:07PM

Sample ID: 2006:0012782-7

Client's Sample ID:

MW-Dup

Date Sampled: 10/24/2006 Time Sampled:

Date Received:

10/26/2006

Analyte

Result

Units

Date Analyzed

Start Time

Analyst

Method Source

Prep Group

Prep: 3005A Met Total Rec

10/29/06

03:00

Davis

SW-846 3005A

Organics

cis-1,2-Dichloroethylene

<0.002

mg/L

11/02/06

17:30

Perrine

SW-846 8260B

trans-1,2-Dichloroethylene

<0.002

mg/L

11/02/06

17:30

Perrine

SW-846 8260B

Methane

<0.003

mg/L

11/03/06

12:45

Williams

SW-846 8015B Mod

Tetrachloroethylene

0.007

mg/L

11/02/06

17:30

Perrine

SW-846 8260B

Trichloroethylene

<0.002

mg/L

11/02/06

17:30

Perrine

SW-846 8260B

Vinyl chloride

<0.002

mg/L

11/02/06

17:30

Perrine

SW-846 8260B

Metals

Iron (Fe)

0.08

mg/L

11/14/06

13:30

Kozakovsky

SW-846 6010B

Magnesium (Mg)

62.0

mg/L

11/13/06

18:30

Kozakovsky

SW-846 6010B

Manganese (Mn)

0.27

mg/L

11/14/06

13:30

Kozakovsky

SW-846 6010B

Potassium (K)

4.8

mg/L

11/13/06

18:30

Kozakovsky

SW-846 6010B

Sodium (Na)

305

mg/L

11/15/06

12:00

Kozakovsky

SW-846 6010B

General Chemistry

Alkalinity (as CaCO₃)

430

mg/L

10/30/06

15:15

Bleicher

SM 2320 B

Total Organic Carbon

5.2

mg/L

10/27/06

13:30

Bleicher

SW-846 9060

Chloride

630

mg/L

11/01/06

13:30

Bleicher

EPA 325.3

Nitrogen, Ammonia

0.04

mg/L

11/02/06

08:00

Dine

EPA 350.2

Nitrogen, Nitrate

1.86

mg/L

10/26/06

19:45

Adsit

EPA 353.2

Nitrogen, Nitrite

<0.05

mg/L

10/26/06

19:45

Bleicher

EPA 353.2

Sulfate

83

mg/L

11/06/06

08:00

Dine

SW-846 9038

Sulfide, Direct

<0.1

mg/L

10/31/06

08:00

Adsit

EPA 376.1

Metal analyses, excluding Iron, Magnesium, Manganese, Potassium, and Sodium, were performed by Modern Industries, Inc., Erie, PA.



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

Certificate Of Analysis

Delivery Group ID: 2006:0012782

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

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

Date Received 10/26/2006
Time Received: 09:10
Delivered By: UPS

P.O. Box 92700
Rochester NY 14692

P.O. 450134428

Project Name: Delphi Thermal

Printed on 12/01/2006 at 02:07PM

Sample ID: 2006:0012782-8

Client's Sample ID: Trip Blank

Date Sampled: 10/24/2006 **Time Sampled:**

Date Received: 10/26/2006

Analyte	Result	Units	Date Analyzed	Start Time	Analyst	Method	Source
<u>Organics</u>							
cis-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
trans-1,2-Dichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
Tetrachloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
Trichloroethylene	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
Vinyl chloride	<0.002	mg/L	11/02/06	17:30	Perrine	SW-846	8260B
CC: GZA							

Supplemental Report Revision to Sulfide Result on 12/01/06 to Report 2006:0012782-3 original print date of 11/20/06.

CHAIN OF CUSTODY RECORD

Page 1 of 1

1	CLIENT INFORMATION		2	TYPE
COMPANY	Delphi <input checked="" type="checkbox"/> Eisenvan		Check all that apply	
CONTACT	Bry Eisenvan		Normal <input checked="" type="checkbox"/>	814 724 - 6242
ADDRESS	P.O. Box 9270D		Priority <input type="checkbox"/>	814 333 - 1466 Fax
CITY	Baltimore		Rush <input type="checkbox"/>	800 836 - 4130
STATE	MD	ZIP CODE	14697	
PHONE	301-674-7476	FAX	301-674-4878	<i>(Email data)</i>
PURCHASE ORDER NUMBER	Delphi Blanket Order		DUE DATE:	<i>(Fax date)</i>
CLIENT #			ACCOUNT #	

FREE-COL LABORATORIES, a Division of Modern Industries		3	PROJECT NAME / NUMBER
 11618 COTTON ROAD MEADVILLE, PA 16335		4	SAMPLER'S NAME / DATE
<i>Delphi Tree Service</i>		<i>Chris Boos</i>	
5	SAMPLE INFORMATION		
DATE	FREE-COL LAB ID		
10/21/00	12782-1		
6	SAMPLE IDENTIFICATION		
1	WW-13	ANALYTES REQUESTED & COLLECTION MEDIA	TIME
2	WW-14	MINUTES	FLOW RATE
3	WW-15		SAMPLE VOLUME (L)
4	WW-11		FOR LAB USE ONLY
5	WW-10		LOCATION / ISSN / COMMENTS
6	WW-12		
7	WW-7		
8	WW-8		
9	WW-9		
10	WW-10		
11	WW-11		
12	WW-12		
13	WW-13		
14	WW-14		
15	WW-15		
16	SAMPLE TRACABILITY		
1	10/25/00	ORGANIZATION	DATE RELINQUISHED
2	10/26/00	<i>CGA</i>	10/25/00
3	10/26/00	<i>CGA</i>	10/26/00
4			11-27-00
5			Analyst
6			Reviewed by
7			Worksheet Number

See List Below

12782-1
345678
+ DUP Check

SAMPLE PARAMETERS

1. total ethylene, trans-1,2-dichloroethylene, cis-1,2-dichloroethylene, vinyl chloride, methane, organic carbon, alkalinity, chloride, nitrate, sulfate, softide, boron, magnesium, manganese, sodium

USE BY LABORATORY ONLY			
Date Received	Signature	Date Relinquished	Date
1 10/25/00	<i>Bry Eisenvan</i>	10/25/00	9/10
2 10/26/00	<i>Bry Eisenvan</i>	10/26/00	10/26
3 10/26/00			
4			Completed
5			Date run
6			Date

AMM Surface
14H MT

on Dec