PROGRESS REPORT NO. 19
REMEDIAL INVESTIGATION
DELPHI FACILITY
1000 LEXINGTON AVENUE
ROCHESTER, NEW YORK
Registry Site No. 8-28-064
EPA ID No. NYD002215234

by

Haley & Aldrich of New York
Rochester, New York

for

Delphi Corporation
Rochester, New York

File No. 70014-054
July 2007

HALEY& ALDRICH

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10 July 2007
File No. 70014-054

New York State Department of Environmental Conservation
Region 8 Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, New York 14414-9519

Attention: Kelly C. Cloyd, Ph.D.
Engineering Geologist II

Subject: Progress Report No. 19
Delphi Rochester, Site # 828064
1000 Lexington Avenue
Rochester, New York
Registry Site No. 8-28-064, EPA ID No. NYD002215234

Ladies and Gentlemen:

Please find enclosed two copies of Remedial Investigation (RI) Progress Report No. 19 for NYSDEC Registry Site No. 8-28-064 which is the Delphi Corporation (Delphi) facility located at 1000 Lexington Avenue in the City of Rochester, Monroe County, New York.

This Progress Report is submitted on behalf of Delphi in accordance with the terms of an Order On Consent between NYSDEC and Delphi ("RI/FS Order," Index # B8-0531-98-06).

Remedial Investigation (RI) activities performed during the period 1 April through 30 June 2007 included:

- continued operation of Interim Remedial Measures (IRMs) including the groundwater migration control systems,
- execution of the Work Plan Addendum #5, Additional Off-site Investigation, including:
  - the sampling of one (1) intermediate bedrock well along Driving Park Avenue,
  - the sampling and analysis of overburden groundwater wells located on the American Packaging Corporation (APC) property, and,
  - the installation and sampling of soil vapor locations along the perimeter of the APC building.

This report provides a summary of the RI activities performed and the activities planned for the current quarter from July through September 2007.

If you have any questions regarding this report, do not hesitate to contact us.

Sincerely yours,
HALEY & ALDRICH OF NEW YORK

for Denis M. Conley
Senior Scientist

Jeffrey E. Loney, CPG, CHMM
Vice President

Enclosures

c: Delphi Corporation - R. Eisenman, K. Jones
NYSDEC Environmental Enforcement Division, Buffalo - M. Desmond, Senior Attorney
NYSDEC Environmental Remediation Division, Albany - E. Belmore, Chief Western Section
MCDOH – J. Albert
NYSDOH – M. Forcucci

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1. INTRODUCTION

This Progress Report covers remedial investigation (RI) activities performed at the Delphi Corporation facility located at 1000 Lexington Avenue in the City of Rochester, Monroe County, New York from 1 April through 30 June 2007. The Delphi property is hereinafter referred to as the "site." The site location is shown on Figure 1.

This report has been prepared in accordance with the terms of an Order On Consent between the New York State Department of Environmental Conservation (NYSDEC) and Delphi for a remedial investigation and feasibility study of the Delphi site ("RI/FS Order" Index # B8-0531-98-06). The Delphi site is listed as Site # 8-28-064 on the New York State Registry of Inactive Hazardous Waste Disposal Sites, and it is identified under state and federal programs regulating management of hazardous waste by its U.S. Environmental Protection Agency (EPA) identification number NYD002215234.

Activities performed during the reporting period included the following:

- An intermediate bedrock well, R-403, installed east of the site along the north side Driving Park Road and directly across from the American Packaging Corporation facility, was sampled for VOCs, SVOCs, PCBs and metals.
- Overburden groundwater wells located on the American Packaging Corporation (APC) Property were sampled and analyzed for VOCs.
- Soil vapor sampling points were installed along the western and north sides of the APC property and sampled for VOCs in accordance with the Work Plan Amendment #5.
- Final laboratory reports for the soil vapor, and groundwater samples collected during the completion of the Additional Off-site Investigation were received.

The remainder of this report presents the results of the RI activities performed during this reporting period and describes the activities scheduled to be undertaken during the next reporting period.

2. REMEDIAL INVESTIGATION ACTIVITIES

Additional Off-Site Investigation Activities

In accordance with Amendment No. 5 to the RI/FS Work Plan, one intermediate bedrock well installed east of the facility approximately equidistant between R-305 and R-401 was sampled for analysis of VOC, SVOC PCB and metals constituents. The well, designated R-403, was installed to a depth of 32 feet below ground surface (BGS) and constructed with a 10 foot open rock interval from 22 to 32 feet BGS. No target VOC, SVOC or PCB compounds were detected in the well sample above analytical reporting limits. A copy of the Final Laboratory report is presented as Attachment 1.

Laboratory analytical reports for the samples submitted will be validated during this reporting period in accordance with the U.S. Environmental Protection Agency, National Functional Guidelines for Organic Data Review (EPA 540/R-99/008), and method protocol criteria as prescribed by "Test Methods For Evaluating Solid Waste, SW-846, Update III, 1996". The validated results will be included in the site groundwater monitoring database.

Evaluation of Soil Vapor Intrusion

Delphi and Haley & Aldrich met on 14 December 2006 with representatives from NYSDEC and the Monroe County Health Department at the Delphi facility to discuss the evaluation of soil vapor at the adjacent American Packaging Corporation (APC) Facility. The general scope and methods for an evaluation were agreed upon at the meeting, and Delphi submitted a proposed work plan for the off-site evaluation (Amendment No. 5 to the RI Work Plan) in a letter to NYSDEC dated 22 February 2007.

Upon receiving approval of the Work Plan with some minor changes, six vapor samples (1 ambient air sample and 5 soil vapor samples) and two overburden groundwater samples were collected on the APC facility to assess the potential for soil vapor intrusion. One soil vapor location (SV-2) was eliminated due to the proximity of underground power infrastructure and one groundwater well did not contain groundwater.

Samples were submitted to Paradigm Environmental for analysis of VOCs by EPA Method TO-15 (air and soil vapor) and EPA method 8260B (groundwater). No VOCs were detected in the groundwater samples. Several detections of VOCs were reported for the soil vapor samples. The VOC detected at the highest concentration was 1,1,1-trichloroethane (1,1,1-TCA) at an estimated value of 2.6 mg/M^3 at SV-3. 1,1,1-TCA has not been a primary constituent of concern and does not appear to be related to the historical Delphi operations. A summary of the soil vapor results is provided in the attached Table 1. A copy of the final laboratory reports is presented in Attachment 1.

3. UPCOMING RI/FS ACTIVITIES

The following RI/FS activities are planned for the upcoming reporting period of July through September 2007.

Stoddard Tank Farm

Completion of the IRM for the Stoddard Tank Farm is planned for the next quarter. Planned activities include the installation of two soil boring to assess subsurface conditions. The soil sampling will be performed in accordance with the procedures in the RI/FS Work Plan. A final engineering report for the IRM will be prepared and submitted for the Department's review and approval after completion of these activities.

Revised RI/RA Report

Pending completion of the Additional Off-site Investigation Activities, the Stoddard Tank Farm borings, and the availability of the respective analytical data, Delphi will submit a revised RI/RA for the Department's review and acceptance.

4. CITIZEN PARTICIPATION ACTIVITIES

No citizen participation activities were performed during this reporting period. No citizen participation activities are planned for the next reporting period.

REFERENCES

RI/FS Work Plan, Delphi Automotive Systems Facility, 1000 Lexington Avenue, Rochester, Monroe County, New York, Registry Site No. 8-28-064, Volume V. Haley & Aldrich of New York, October 2001.

Amendment No. 5 to the RI/FS Work Plan, Delphi Automotive Systems Facility, 1000 Lexington Avenue, Rochester, Monroe County, New York, Registry Site No. 8-28-064, Volume V. Haley & Aldrich of New York, 22 February 2007.

Quarterly Progress Report No. 1 - 18, Remedial Investigation, Delphi Facility, 1000 Lexington Avenue, Rochester, New York, Site No. 8-28-064, EPA ID No. NYD002215234, Haley & Aldrich of New York.

TABLE 1

Delphi Lexington Avenue Facility Soil Vapor Investigation

	TO-15 Soil Gas Sampling Results (Results in ug/m^3)					
Soil Gas						
Analyte	**SV-1**	**SV-3**	**SV-4**	**SV-5**	**SV-6**	**Ambient air**
benzene	4.1	2.26	0.8	<0.839	99 E	0.622
carbon tetrachloride	<1.7	<1.7	0.75	<1.6	<1.4	1.1
chloroform	35	135 E	<0.51	<1.27	<1.1	<0.79
chloromethane	<0.56	<0.55	0.86	<0.54	<0.45	0.88
1,1-dichloroethane	3.5	29.1	<0.42	<1.05	<0.86	<0.66
trans-1,2-dichloroethene	1.1	<1.05	<0.42	<1.03	<0.86	<0.64
cis-1,2-dichloroethene	<1.1	<1.05	<0.42	<1.03	<0.86	1.2
methylene chloride	5.29 B	<4.57	<1.8	<4.5	<3.7	5.4 B
tetrachloroethene	64	12.6	<1.8	<1.8	<1.5	3.4
toluene	538 E	8.39	1.9	2.1	32	1.7
1,1,1-trichloroethane	3.5	2620 E	<0.57	3.2	<1.2	<0.88
trichloroethene	52	7.76	<0.26	<0.66	<0.55	0.64
Ethylbenzene	1070 E	12	<0.11	<1.1	28	<0.711
m,p xylene	2380 E	40.7	1.1	1.8	55	0.88
o-Xylene	1520 E	13.2	0.48	<1.1	17	<0.71
1,2-Dichloropropane	5.7	<1.22	<0.49	<1.2	<1.0	<0.75

B= Detected in Method Blank

E= Estimated Value

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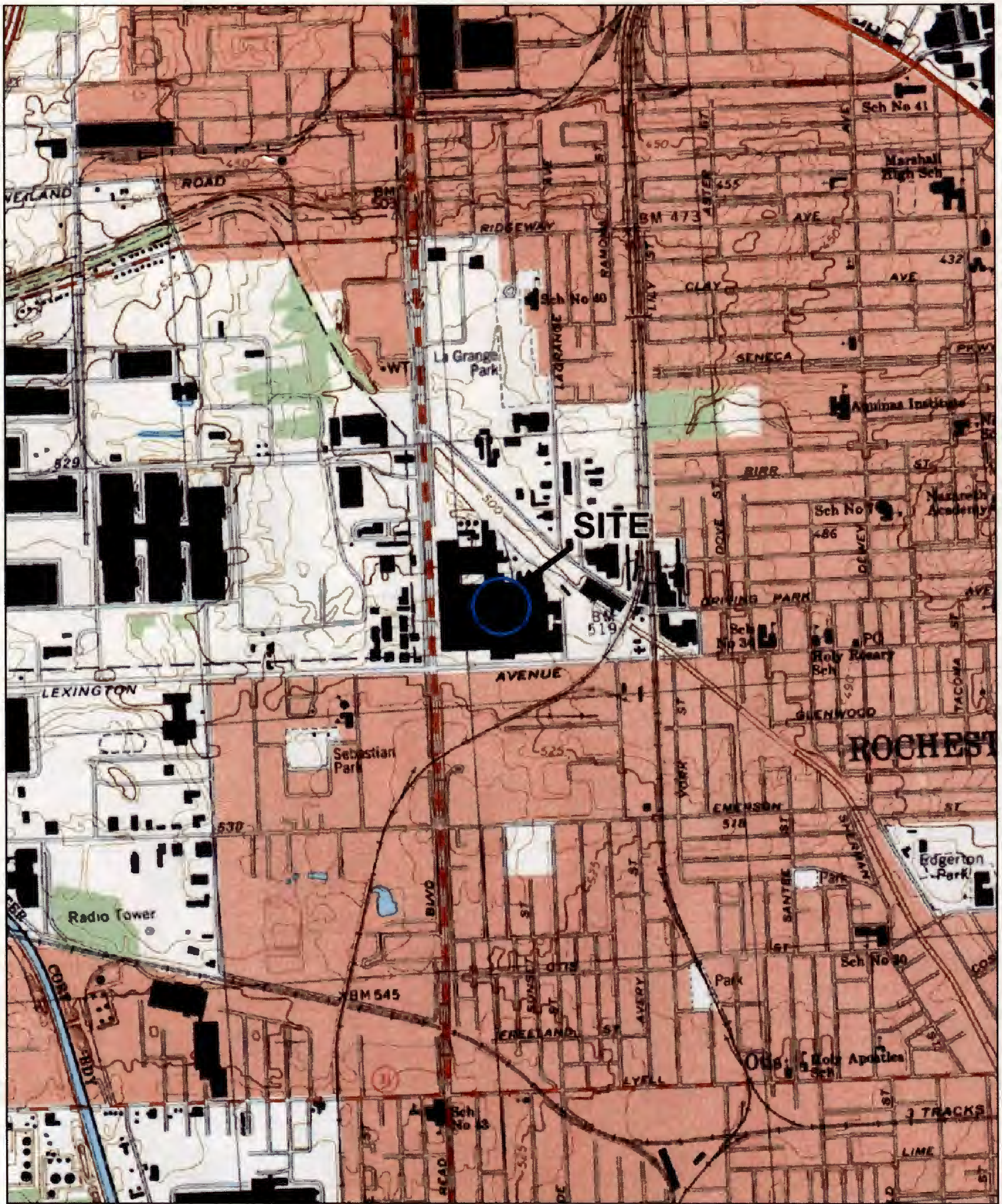


SITE COORDINATES:43°10'53"N 77°39'22"W

N
W E
S

U.S.G.S. QUADRANGLE: ROCHESTER WEST, NY

HALEY & ALDRICH

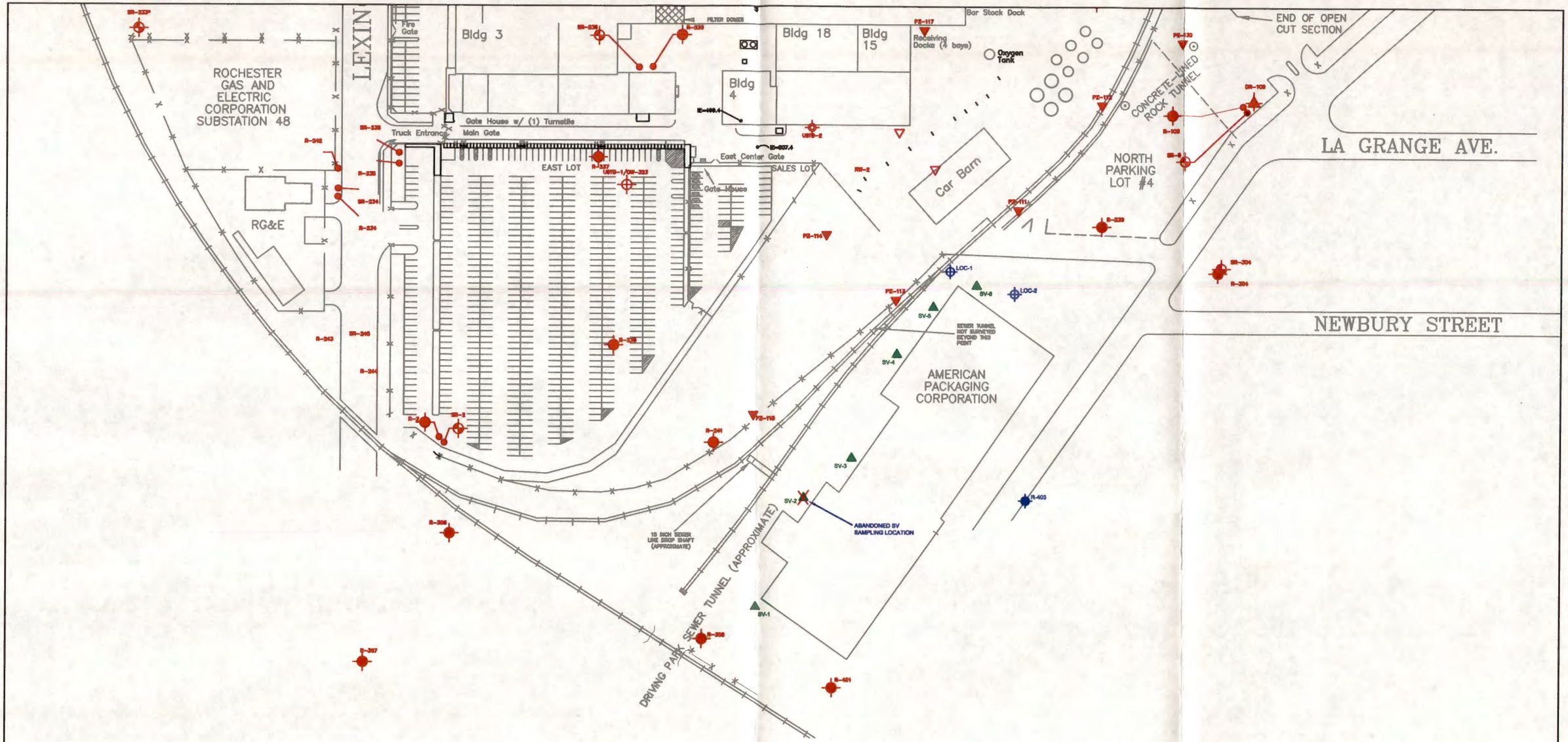
DELPHI CORPORATION
REMEDIAL INVESTIGATION
LEXINGTON AVENUE
ROCHESTER, NEW YORK

PROJECT LOCUS

SCALE: 1:24,000
JULY 2007

FIGURE 1

70014-065 1.PDF



LEGEND:

- OVERBURDEN WELL
- APC OVERBURDEN WELL
- SHALLOW BEDROCK WELL
- INTERMEDIATE BEDROCK WELL
- DEEP BEDROCK WELL
- NEW INTERMEDIATE BEDROCK WELL LOCATION
- PROPOSED SOIL VAPOR SAMPLE LOCATION
- RECOVERY WELL (fLOATING PRODUCT)
  RECOVERY WELL (GROUND WATER)
- PIEZOMETER

HALEY & ALDRICH

DELPHI CORPORATION
REMEDIAL INVESTIGATION
LEXINGTON AVENUE
ROCHESTER, NEW YORK

EAST PARKING LOT ADDITIONAL INVESTIGATIONS EXPLORATION LOCATIONS

SCALE: AS SHOWN
JULY 2007

FIGURE 2

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ATTACHMENT 1

Laboratory Reports

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

For Lab Project # 07-2119

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 5 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Air

Client: Haley & Aldrich

Client Job Site: Delphi SVI - APC
Client Job Number: 70014-065
Field Location: SV-1
Field ID Number: C-1014
Sample Type: Air

Lab Project Number: 07-2119
Lab Sample Number: 7307

Date Sampled: 06/14/2007
Date Received: 06/15/2007
Date Analyzed: 06/22/2007 & 07/02/2007
Date Reissued: 07/02/2007

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.276	ND< 1.83
Bromoform	ND< 0.276	ND< 2.82
Bromomethane	ND< 0.276	ND< 1.06
Carbon Tetrachloride	ND< 0.276	ND< 1.72
Chlorethane	ND< 0.276	ND< 0.722
Chloroform	7.20	34.7
Chloromethane	ND< 0.276	ND< 0.564
Dibromochloromethane	ND< 0.276	ND< 2.33
1,2 Dibromoethane	ND< 0.276	ND< 2.10
1,1-Dichloroethane	0.874	3.50
1,1-Dichloroethene	ND< 0.276	ND< 1.08
1,2-Dichloroethane	ND< 0.276	ND< 1.11
cis-1,2-Dichloroethene	ND< 0.276	ND< 1.08
trans-1,2-Dichloroethene	0.279	1.10
1,2-Dichloropropane	1.24	5.68
cis-1,3-Dichloropropene	ND< 0.276	ND< 1.24
trans-1,3-Dichloropropene	ND< 0.276	ND< 1.24
Methylene Chloride	B 1.54	B 5.29
1,1,2,2-Tetrachloroethane	ND< 0.276	ND< 1.87
Tetrachloroethene	9.60	64.4
1,1,1-Trichloroethane	0.648	3.50
1,1,2-Trichloroethane	ND< 0.276	ND< 1.49
Trichloroethene	9.72	51.7
Vinyl Chloride	ND< 0.276	ND< 0.700

Aromatics	PPBv	ug / m3
Benzene	1.28	4.08
Chlorobenzene	ND< 0.276	ND< 1.26
Ethylbenzene	E 246	E 1,070
Toluene	E 143	E 538
m,p-Xylene	E 549	E 2,380
o-Xylene	E 350	E 1,520
Styrene	ND< 0.276	ND< 1.17
1,2-Dichlorobenzene	ND< 0.276	ND< 1.65
1,3-Dichlorobenzene	ND< 0.276	ND< 1.65
1,4-Dichlorobenzene	ND< 0.276	ND< 1.65

Ketones	PPBv	ug / m3
Acetone	B E 44.1	B E 105
2-Butanone	9.30	27.4
2-Hexanone	ND< 0.276	ND< 1.13
4-Methyl-2-Pentanone	ND< 0.276	ND< 1.13

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	B 6.90	B 21.4
Freon 11	0.610	3.39
Freon 113	0.872	6.63
Methyl-tert-Butyl Ether	ND< 0.276	ND< 0.993
Vinyl Acetate	11.4	40.1

ELAP Number 10958 Method: EPA TO-15 Data File: A2581.d

Comments: ND denotes Non Detect
PPBv = Parts per Billion volume
ug / m3 - Microgram per cubic meter.

Signature: 
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Air

Client: Haley & Aldrich

Client Job Site: Delphi SVI - APC
Client Job Number: 70014-065
Field Location: SV-3
Field ID Number: C-1007
Sample Type: Air

Lab Project Number: 07-2119
Lab Sample Number: 7308

Date Sampled: 06/14/2007
Date Received: 06/15/2007
Date Analyzed: 06/22/2007

Halocarbons	PPBv	ug / m3
Bromodichloromethane	1.31	8.68
Bromoform	ND< 0.267	ND< 2.73
Bromomethane	ND< 0.267	ND< 1.03
Carbon Tetrachloride	ND< 0.267	ND< 1.66
Chlorethane	ND< 0.267	ND< 0.699
Chloroform	E 27.7	E 134
Chloromethane	ND< 0.267	ND< 0.546
Dibromochloromethane	ND< 0.267	ND< 2.25
1,2 Dibromoethane	ND< 0.267	ND< 2.03
1,1-Dichloroethane	7.25	29.1
1,1-Dichloroethene	0.555	2.18
1,2-Dichloroethane	ND< 0.267	ND< 1.07
cis-1,2-Dichloroethene	ND< 0.267	ND< 1.05
trans-1,2-Dichloroethene	ND< 0.267	ND< 1.05
1,2-Dichloropropane	ND< 0.267	ND< 1.22
cis-1,3-Dichloropropene	ND< 0.267	ND< 1.20
trans-1,3-Dichloropropene	ND< 0.267	ND< 1.20
Methylene Chloride	ND< 1.33	ND< 4.57
1,1,2,2-Tetrachloroethane	ND< 0.267	ND< 1.81
Tetrachloroethene	1.88	12.6
1,1,1-Trichloroethane	E 485	E 2,620
1,1,2-Trichloroethane	9.44	51.0
Trichloroethene	1.46	7.76
Vinyl Chloride	ND< 0.267	ND< 0.677

Aromatics	PPBv	ug / m3
Benzene	0.707	2.26
Chlorobenzene	ND< 0.267	ND< 1.22
Ethylbenzene	2.77	12.0
Toluene	2.23	8.39
m,p-Xylene	9.39	40.7
o-Xylene	3.04	13.2
Styrene	ND< 0.267	ND< 1.14
1,2-Dichlorobenzene	ND< 0.267	ND< 1.59
1,3-Dichlorobenzene	ND< 0.267	ND< 1.59
1,4-Dichlorobenzene	ND< 0.267	ND< 1.59

Ketones	PPBv	ug / m3
Acetone	B E 22.6	B E 53.6
2-Butanone	5.81	17.1
2-Hexanone	ND< 0.267	ND< 1.09
4-Methyl-2-Pentanone	ND< 0.267	ND< 1.09

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	B 0.653	B 2.03
Freon 11	ND< 0.267	ND< 1.49
Freon 113	0.435	3.31
Methyl-tert-Butyl Ether	ND< 0.267	ND< 0.961
Vinyl Acetate	ND< 0.267	ND< 0.939

ELAP Number 10958 Method: EPA TO-15 Data File: A2582.d

Comments: ND denotes Non Detect
PPBv = Parts per Billion volume
ug / m3 - Microgram per cubic meter.

Signature: 
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Air

Client: Haley & Aldrich

Client Job Site: Delphi SVI - APC
Client Job Number: 70014-065
Field Location: SV-5
Field ID Number: C-1000
Sample Type: Air

Lab Project Number: 07-2119
Lab Sample Number: 7309

Date Sampled: 06/14/2007
Date Received: 06/15/2007
Date Analyzed: 06/22/2007

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.263	ND< 1.74
Bromoform	ND< 0.263	ND< 2.69
Bromomethane	ND< 0.263	ND< 1.01
Carbon Tetrachloride	ND< 0.263	ND< 1.64
Chlorethane	ND< 0.263	ND< 0.688
Chloroform	ND< 0.263	ND< 1.27
Chloromethane	ND< 0.263	ND< 0.538
Dibromochloromethane	ND< 0.263	ND< 2.22
1,2 Dibromoethane	ND< 0.263	ND< 2.00
1,1-Dichloroethane	ND< 0.263	ND< 1.05
1,1-Dichloroethene	ND< 0.263	ND< 1.03
1,2-Dichloroethane	ND< 0.263	ND< 1.05
cis-1,2-Dichloroethene	ND< 0.263	ND< 1.03
trans-1,2-Dichloroethene	ND< 0.263	ND< 1.03
1,2-Dichloropropane	ND< 0.263	ND< 1.20
cis-1,3-Dichloropropene	ND< 0.263	ND< 1.18
trans-1,3-Dichloropropene	ND< 0.263	ND< 1.18
Methylene Chloride	ND< 1.32	ND< 4.53
1,1,2,2-Tetrachloroethane	ND< 0.263	ND< 1.79
Tetrachloroethene	ND< 0.263	ND< 1.76
1,1,1-Trichloroethane	0.592	3.20
1,1,2-Trichloroethane	ND< 0.263	ND< 1.42
Trichloroethene	ND< 0.124	ND< 0.659
Vinyl Chloride	ND< 0.263	ND< 0.667

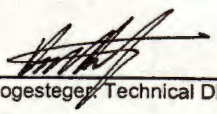
Aromatics	PPBv	ug / m3
Benzene	ND< 0.263	ND< 0.839
Chlorobenzene	ND< 0.263	ND< 1.20
Ethylbenzene	ND< 0.263	ND< 1.14
Toluene	0.566	2.13
m,p-Xylene	0.405	1.76
o-Xylene	ND< 0.263	ND< 1.14
Styrene	ND< 0.263	ND< 1.12
1,2-Dichlorobenzene	ND< 0.263	ND< 1.57
1,3-Dichlorobenzene	ND< 0.263	ND< 1.57
1,4-Dichlorobenzene	ND< 0.263	ND< 1.57

Ketones	PPBv	ug / m3
Acetone	B E 24.7	B E 58.6
2-Butanone	1.07	3.15
2-Hexanone	ND< 0.263	ND< 1.08
4-Methyl-2-Pentanone	ND< 0.263	ND< 1.08

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	ND< 0.263	ND< 0.818
Freon 11	ND< 0.263	ND< 1.46
Freon 113	ND< 0.263	ND< 2.00
Methyl-tert-Butyl Ether	ND< 0.263	ND< 0.947
Vinyl Acetate	ND< 0.263	ND< 0.925

ELAP Number 10958 Method: EPA TO-15 Data File: A2583.d

Comments: ND denotes Non Detect
PPBv = Parts per Billion volume
ug / m3 - Microgram per cubic meter.

Signature: 
Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Air

Client: Haley & Aldrich

Client Job Site: Delphi SVI - APC
Client Job Number: 70014-065
Field Location: SV-6
Field ID Number: C-1018
Sample Type: Air

Lab Project Number: 07-2119
Lab Sample Number: 7310

Date Sampled: 06/14/2007
Date Received: 06/15/2007
Date Analyzed: 06/22/2007

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.219	ND< 1.45
Bromoform	ND< 0.219	ND< 2.24
Bromomethane	ND< 0.219	ND< 0.842
Carbon Tetrachloride	ND< 0.219	ND< 1.36
Chlorethane	6.67	17.5
Chloroform	ND< 0.219	ND< 1.06
Chloromethane	ND< 0.219	ND< 0.448
Dibromochloromethane	ND< 0.219	ND< 1.85
1,2 Dibromoethane	ND< 0.219	ND< 1.67
1,1-Dichloroethane	ND< 0.219	ND< 0.878
1,1-Dichloroethene	ND< 0.219	ND< 0.860
1,2-Dichloroethane	ND< 0.219	ND< 0.878
cis-1,2-Dichloroethene	ND< 0.219	ND< 0.860
trans-1,2-Dichloroethene	ND< 0.219	ND< 0.860
1,2-Dichloropropane	ND< 0.219	ND< 1.00
cis-1,3-Dichloropropene	ND< 0.219	ND< 0.985
trans-1,3-Dichloropropene	ND< 0.219	ND< 0.985
Methylene Chloride	ND< 1.09	ND< 3.74
1,1,2,2-Tetrachloroethane	ND< 0.219	ND< 1.49
Tetrachloroethene	ND< 0.219	ND< 1.47
1,1,1-Trichloroethane	ND< 0.219	ND< 1.18
1,1,2-Trichloroethane	ND< 0.219	ND< 1.18
Trichloroethene	ND< 0.103	ND< 0.548
Vinyl Chloride	ND< 0.219	ND< 0.555

Aromatics	PPBv	ug / m3
Benzene	E 31.0	E 98.9
Chlorobenzene	ND< 0.219	ND< 1.00
Ethylbenzene	6.47	28.0
Toluene	8.44	31.8
m,p-Xylene	12.7	55.1
o-Xylene	4.00	17.3
Styrene	ND< 0.219	ND< 0.932
1,2-Dichlorobenzene	ND< 0.219	ND< 1.31
1,3-Dichlorobenzene	ND< 0.219	ND< 1.31
1,4-Dichlorobenzene	ND< 0.219	ND< 1.31

Ketones	PPBv	ug / m3
Acetone	B E 56.4	B E 134
2-Butanone	ND< 0.219	ND< 0.645
2-Hexanone	ND< 0.219	ND< 0.896
4-Methyl-2-Pentanone	ND< 0.219	ND< 0.896

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	B 1.77	B 5.50
Freon 11	ND< 0.219	ND< 1.22
Freon 113	ND< 0.219	ND< 1.67
Methyl-tert-Butyl Ether	ND< 0.219	ND< 0.788
Vinyl Acetate	ND< 0.219	ND< 0.770

ELAP Number 10958 Method: EPA TO-15 Data File: A2584.d

Comments: ND denotes Non Detect
PPBv = Parts per Billion volume
ug / m3 - Microgram per cubic meter.

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Air

Client: Haley & Aldrich

Client Job Site: Delphi SVI - APC
Client Job Number: 70014-065
Field Location: Ambient
Field ID Number: C-1006
Sample Type: Air

Lab Project Number: 07-2119
Lab Sample Number: 7311

Date Sampled: 06/14/2007
Date Received: 06/15/2007
Date Analyzed: 06/22/2007

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.164	ND< 1.09
Bromoform	ND< 0.164	ND< 1.68
Bromomethane	ND< 0.164	ND< 0.631
Carbon Tetrachloride	0.175	1.09
Chlorethane	ND< 0.164	ND< 0.429
Chloroform	ND< 0.164	ND< 0.791
Chloromethane	0.431	0.881
Dibromochloromethane	ND< 0.164	ND< 1.38
1,2 Dibromoethane	ND< 0.164	ND< 1.25
1,1-Dichloroethane	ND< 0.164	ND< 0.657
1,1-Dichloroethene	ND< 0.164	ND< 0.644
1,2-Dichloroethane	ND< 0.164	ND< 0.657
cis-1,2-Dichloroethene	0.302	1.19
trans-1,2-Dichloroethene	ND< 0.164	ND< 0.644
1,2-Dichloropropane	ND< 0.164	ND< 0.751
cis-1,3-Dichloropropene	ND< 0.164	ND< 0.738
trans-1,3-Dichloropropene	0.375	1.69
Methylene Chloride	B 1.57	B 5.39
1,1,2,2-Tetrachloroethane	ND< 0.164	ND< 1.11
Tetrachloroethene	0.510	3.42
1,1,1-Trichloroethane	ND< 0.164	ND< 0.885
1,1,2-Trichloroethane	ND< 0.164	ND< 0.885
Trichloroethene	0.120	0.638
Vinyl Chloride	ND< 0.164	ND< 0.416

Aromatics	PPBv	ug / m3
Benzene	0.195	0.622
Chlorobenzene	ND< 0.164	ND< 0.751
Ethylbenzene	ND< 0.164	ND< 0.711
Toluene	0.454	1.71
m,p-Xylene	0.203	0.880
o-Xylene	ND< 0.164	ND< 0.711
Styrene	ND< 0.164	ND< 0.698
1,2-Dichlorobenzene	ND< 0.164	ND< 0.979
1,3-Dichlorobenzene	ND< 0.164	ND< 0.979
1,4-Dichlorobenzene	ND< 0.164	ND< 0.979

Ketones	PPBv	ug / m3
Acetone	B E 11.6	B E 27.5
2-Butanone	0.518	1.53
2-Hexanone	ND< 0.164	ND< 0.671
4-Methyl-2-Pentanone	ND< 0.164	ND< 0.671

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	ND< 0.164	ND< 0.510
Freon 11	0.241	1.34
Freon 113	ND< 0.164	ND< 1.25
Methyl-tert-Butyl Ether	ND< 0.164	ND< 0.590
Vinyl Acetate	ND< 0.164	ND< 0.577

ELAP Number 10958 Method: EPA TO-15 Data File: A2585.d

Comments: ND denotes Non Detect
PPBv = Parts per Billion volume
ug / m3 - Microgram per cubic meter.

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Air

Client: Haley & Aldrich

Client Job Site: Delphi SVI - APC
Client Job Number: 70014-065
Field Location: N/A
Field ID Number: C-0000
Sample Type: Air

Lab Project Number: 07-2119
Lab Sample Number: Method Blank
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06/22/2007

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.103	ND< 0.682
Bromoform	ND< 0.103	ND< 1.05
Bromomethane	ND< 0.103	ND< 0.396
Carbon Tetrachloride	ND< 0.103	ND< 0.640
Chlorethane	ND< 0.103	ND< 0.270
Chloroform	ND< 0.103	ND< 0.497
Chloromethane	ND< 0.103	ND< 0.211
Dibromochloromethane	ND< 0.103	ND< 0.868
1,2 Dibromoethane	ND< 0.103	ND< 0.784
1,1-Dichloroethane	ND< 0.103	ND< 0.413
1,1-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloroethane	ND< 0.103	ND< 0.413
cis-1,2-Dichloroethene	ND< 0.103	ND< 0.404
trans-1,2-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloropropane	ND< 0.103	ND< 0.472
cis-1,3-Dichloropropene	ND< 0.103	ND< 0.463
trans-1,3-Dichloropropene	ND< 0.103	ND< 0.463
Methylene Chloride	0.835	2.87
1,1,2,2-Tetrachloroethane	ND< 0.103	ND< 0.699
Tetrachloroethene	ND< 0.103	ND< 0.691
1,1,1-Trichloroethane	ND< 0.103	ND< 0.556
1,1,2-Trichloroethane	ND< 0.103	ND< 0.556
Trichloroethene	ND< 0.0486	ND< 0.258
Vinyl Chloride	ND< 0.103	ND< 0.261

Aromatics	PPBv	ug / m3
Benzene	ND< 0.103	ND< 0.329
Chlorobenzene	ND< 0.103	ND< 0.472
Ethylbenzene	ND< 0.103	ND< 0.447
Toluene	ND< 0.103	ND< 0.388
m,p-Xylene	ND< 0.103	ND< 0.447
o-Xylene	ND< 0.103	ND< 0.447
Styrene	ND< 0.103	ND< 0.438
1,2-Dichlorobenzene	ND< 0.103	ND< 0.615
1,3-Dichlorobenzene	ND< 0.103	ND< 0.615
1,4-Dichlorobenzene	ND< 0.103	ND< 0.615

Ketones	PPBv	ug / m3
Acetone	2.26	5.36
2-Butanone	ND< 0.103	ND< 0.303
2-Hexanone	ND< 0.103	ND< 0.421
4-Methyl-2-Pentanone	ND< 0.103	ND< 0.421

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	2.12	6.59
Freon 11	ND< 0.103	ND< 0.573
Freon 113	ND< 0.103	ND< 0.784
Methyl-tert-Butyl Ether	ND< 0.103	ND< 0.371
Vinyl Acetate	ND< 0.103	ND< 0.362

ELAP Number 10958 Method: EPA TO-15 Data File: A2580.d

Comments: ND denotes Non Detect
PPBv = Parts per Billion volume
ug / m3 - Microgram per cubic meter.

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Haley + Aldrich	COMPANY: Haley + Aldrich	LAB PROJECT #: 07-2119
ADDRESS: 200 Town Centre Dr.	ADDRESS: 200 Town Centre Dr.	CLIENT PROJECT #: 70014-065
CITY: Rochester STATE: NY ZIP: 14623	CITY: Rochester STATE: NY ZIP: 14623	TURNAROUND TIME: (WORKING DAYS) ☐1 ☐2 ☐3 ☒5 STD ☐ OTHER
PHONE: 585-321-4245 FAX:	PHONE: 585-321-4245 FAX:	
ATTN: Denis Conley	ATTN: Denis Conley	QUOTE #:
COMMENTS:		

PROJECT NAME/SITE NAME: Delphi SVI - APC

REQUESTED ANALYSIS

	DATE 2007	TIME Start	TIME Finish	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TO-15	Pressure-Start	Pressure-End	REMARKS Canister ID	REMARKS Flow controller ID	PARADIGM LAB SAMPLE NUMBER
1	6/14	1420	1600			SV-1	Air	1	X	30	8"	C-1014	R-506	7307
2		1416	1615			SV-3		1	X	30	6"	C-1007	R-504	7308
3		~~X~~	~~X~~			~~SV-4~~ EGL				~~30~~	X	no sample taken		
4		1407	1546			SV-5		1	X	30	6.5	C-1000	R-519	7309
5		1430	1630			SV-6		1	X	30	7	C-1018	R-512	7310
6		1356	1543			Ambient		1	X	30	5	C-1006	R-505	7311
7														
8												EGL		
9														
10														

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☒	N ☐
Preservation: NA Comments:	Y ☐	N ☐
Holding Time: Comments:	Y ☒	N ☐
Temperature: NA Comments:	Y ☐	N ☐

	Date/Time
Sampled By: [signature]	6/14/07
Relinquished By: [signature]	6/15/07
Received By: [signature]	6/15/07
Received @ Lab By: Elizabeth A. Honch	6/15/07 1650

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Air

Client: Haley & Aldrich

Client Job Site: Delphi - SV1
Client Job Number: 70014-065
Field Location: SV-4
Field ID Number: C-1019
Sample Type: Air

Lab Project Number: 07-2186
Lab Sample Number: 7498

Date Sampled: 06/21/2007
Date Received: 06/21/2007
Date Analyzed: 06/22/2007

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.106	ND< 0.702
Bromoform	ND< 0.106	ND< 1.08
Bromomethane	ND< 0.106	ND< 0.408
Carbon Tetrachloride	0.120	0.746
Chlorethane	ND< 0.106	ND< 0.277
Chloroform	ND< 0.106	ND< 0.512
Chloromethane	0.419	0.857
Dibromochloromethane	ND< 0.106	ND< 0.893
1,2 Dibromoethane	ND< 0.106	ND< 0.806
1,1-Dichloroethane	ND< 0.106	ND< 0.425
1,1-Dichloroethene	ND< 0.106	ND< 0.416
1,2-Dichloroethane	ND< 0.106	ND< 0.425
cis-1,2-Dichloroethene	ND< 0.106	ND< 0.416
trans-1,2-Dichloroethene	ND< 0.106	ND< 0.416
1,2-Dichloropropane	ND< 0.106	ND< 0.486
cis-1,3-Dichloropropene	ND< 0.106	ND< 0.477
trans-1,3-Dichloropropene	ND< 0.106	ND< 0.477
Methylene Chloride	ND< 0.528	ND< 1.81
1,1,2,2-Tetrachloroethane	ND< 0.106	ND< 0.720
Tetrachloroethene	ND< 0.106	ND< 0.711
1,1,1-Trichloroethane	ND< 0.106	ND< 0.572
1,1,2-Trichloroethane	ND< 0.106	ND< 0.572
Trichloroethene	ND< 0.0496	ND< 0.264
Vinyl Chloride	ND< 0.106	ND< 0.269

Aromatics	PPBv	ug / m3
Benzene	0.251	0.801
Chlorobenzene	ND< 0.106	ND< 0.486
Ethylbenzene	ND< 0.106	ND< 0.460
Toluene	0.507	1.91
m,p-Xylene	0.256	1.11
o-Xylene	0.111	0.481
Styrene	ND< 0.106	ND< 0.451
1,2-Dichlorobenzene	ND< 0.106	ND< 0.633
1,3-Dichlorobenzene	ND< 0.106	ND< 0.633
1,4-Dichlorobenzene	ND< 0.106	ND< 0.633

Ketones	PPBv	ug / m3
Acetone	B E 17.3	B E 41.0
2-Butanone	1.13	3.33
2-Hexanone	ND< 0.106	ND< 0.434
4-Methyl-2-Pentanone	ND< 0.106	ND< 0.434

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	ND< 0.106	ND< 0.329
Freon 11	0.228	1.27
Freon 113	ND< 0.106	ND< 0.806
Methyl-tert-Butyl Ether	ND< 0.106	ND< 0.382
Vinyl Acetate	ND< 0.106	ND< 0.373

ELAP Number 10958 Method: EPA TO-15 Data File: A2593.d

Comments: ND denotes Non Detect
PPBv = Parts per Billion volume
ug / m3 - Microgram per cubic meter.

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Air

Client: Haley & Aldrich

Client Job Site: Delphi - SV1
Client Job Number: 70014-065
Field Location: N/A
Field ID Number: C-0000
Sample Type: Air

Lab Project Number: 07-2186
Lab Sample Number: Method Blank
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06/22/2007

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.103	ND< 0.682
Bromoform	ND< 0.103	ND< 1.05
Bromomethane	ND< 0.103	ND< 0.396
Carbon Tetrachloride	ND< 0.103	ND< 0.640
Chlorethane	ND< 0.103	ND< 0.270
Chloroform	ND< 0.103	ND< 0.497
Chloromethane	ND< 0.103	ND< 0.211
Dibromochloromethane	ND< 0.103	ND< 0.868
1,2 Dibromoethane	ND< 0.103	ND< 0.784
1,1-Dichloroethane	ND< 0.103	ND< 0.413
1,1-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloroethane	ND< 0.103	ND< 0.413
cis-1,2-Dichloroethene	ND< 0.103	ND< 0.404
trans-1,2-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloropropane	ND< 0.103	ND< 0.472
cis-1,3-Dichloropropene	ND< 0.103	ND< 0.463
trans-1,3-Dichloropropene	ND< 0.103	ND< 0.463
Methylene Chloride	0.835	2.87
1,1,2,2-Tetrachloroethane	ND< 0.103	ND< 0.699
Tetrachloroethene	ND< 0.103	ND< 0.691
1,1,1-Trichloroethane	ND< 0.103	ND< 0.556
1,1,2-Trichloroethane	ND< 0.103	ND< 0.556
Trichloroethene	ND< 0.0486	ND< 0.258
Vinyl Chloride	ND< 0.103	ND< 0.261

Aromatics	PPBv	ug / m3
Benzene	ND< 0.103	ND< 0.329
Chlorobenzene	ND< 0.103	ND< 0.472
Ethylbenzene	ND< 0.103	ND< 0.447
Toluene	ND< 0.103	ND< 0.388
m,p-Xylene	ND< 0.103	ND< 0.447
o-Xylene	ND< 0.103	ND< 0.447
Styrene	ND< 0.103	ND< 0.438
1,2-Dichlorobenzene	ND< 0.103	ND< 0.615
1,3-Dichlorobenzene	ND< 0.103	ND< 0.615
1,4-Dichlorobenzene	ND< 0.103	ND< 0.615

Ketones	PPBv	ug / m3
Acetone	2.26	5.36
2-Butanone	ND< 0.103	ND< 0.303
2-Hexanone	ND< 0.103	ND< 0.421
4-Methyl-2-Pentanone	ND< 0.103	ND< 0.421

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	2.12	6.59
Freon 11	ND< 0.103	ND< 0.573
Freon 113	ND< 0.103	ND< 0.784
Methyl-tert-Butyl Ether	ND< 0.103	ND< 0.371
Vinyl Acetate	ND< 0.103	ND< 0.362

ELAP Number 10958 Method: EPA TO-15 Data File: A2580.d

Comments: ND denotes Non Detect
PPBv = Parts per Billion volume
ug / m3 - Microgram per cubic meter.

Signature:
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Haley + Aldrich	COMPANY: Haley + Aldrich	LAB PROJECT #: 107-2186 / CLIENT PROJECT #: 70014-065
ADDRESS: 200 Town Centre Dr.	ADDRESS: 200 Town Centre Dr.	TURNAROUND TIME: (WORKING DAYS)
CITY: Rochester STATE: NY ZIP: 14626	CITY: Rochester STATE: NY ZIP: 14623	STD ☒ 5 / OTHER ☐
PHONE: 321-4245 FAX:	PHONE: 321-4245 FAX:	
PROJECT NAME/SITE NAME: Delphi - SVI	ATTN: Denis Conley	☐ 1 ☐ 2 ☐ 3
	ATTN: Denis Conley	QUOTE #:
	COMMENTS:	

REQUESTED ANALYSIS

	DATE	TIME start	TIME end	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TO-15	start pressure	end pressure	REMARKS Can #	REMARKS Flow #	PARADIGM LAB SAMPLE NUMBER
1	6/21/2007	1059	1335		X	SV-4	Air	1	X	30	9	C-1019	R-578	74988
2														
3														
4														
5														
6														
7														
8														
9														
10														

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☒	N ☐
Preservation: Comments: NA	Y ☐	N ☐
Holding Time: Comments:	Y ☒	N ☐
Temperature: Comments: NA	Y ☐	N ☐

Sampled By: Eric A. Lee	Date/Time: 6/21/07 1315	Total Cost:
Relinquished By: Eric A. Lee	Date/Time: 6/21/07 1610	
Received By:	Date/Time: 6/21/07 1610	P.I.F.
Received @ Lab By: Elizabeth A. Honck	Date/Time: 6/21/07 1710	

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Haley & Aldrich

Client Job Site:	Delphi	**Lab Project Number:**	07-2207
		Lab Sample Number:	7545
Client Job Number:	70014-065		
Field Location:	Trip Blank	**Date Sampled:**	06/21/2007
Field ID Number:	N/A	**Date Received:**	06/22/2007
Sample Type:	Water	**Date Analyzed:**	06/27/2007

Compounds	Results in ug / L
Benzene	ND< 0.700
n-Butylbenzene	ND< 5.00
sec-Butylbenzene	ND< 5.00
n-Propylbenzene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
Ethylbenzene	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 5.00
1,3,5-Trimethylbenzene	ND< 5.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Vinyl chloride	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V48419.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Haley & Aldrich

Client Job Site:	Delphi	**Lab Project Number:**	07-2207
		Lab Sample Number:	7546
Client Job Number:	70014-065		
Field Location:	6-21-01	**Date Sampled:**	06/21/2007
Field ID Number:	N/A	**Date Received:**	06/22/2007
Sample Type:	Water	**Date Analyzed:**	06/27/2007

Compounds	Results in ug / L
Benzene	ND< 0.700
n-Butylbenzene	ND< 5.00
sec-Butylbenzene	ND< 5.00
n-Propylbenzene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
Ethylbenzene	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 5.00
1,3,5-Trimethylbenzene	ND< 5.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Vinyl chloride	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V48420.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Haley & Aldrich

Client Job Site: Delphi
Client Job Number: 70014-065
Field Location: 6-21-02
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-2207
Lab Sample Number: 7547

Date Sampled: 06/21/2007
Date Received: 06/22/2007
Date Analyzed: 06/27/2007

Compounds	Results in ug / L
Benzene	ND< 0.700
n-Butylbenzene	ND< 5.00
sec-Butylbenzene	ND< 5.00
n-Propylbenzene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
Ethylbenzene	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 5.00
1,3,5-Trimethylbenzene	ND< 5.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Vinyl chloride	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V48421.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Haley & Aldrich

Client Job Site: Delphi
Client Job Number: 70014-065
Field Location: N/A
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-2207
Lab Sample Number: Method Blank
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06/27/2007

Compounds	Results in ug / L
Benzene	ND< 0.700
n-Butylbenzene	ND< 5.00
sec-Butylbenzene	ND< 5.00
n-Propylbenzene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
Ethylbenzene	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
1,2,4-Trimethylbenzene	ND< 5.00
1,3,5-Trimethylbenzene	ND< 5.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Vinyl chloride	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V48413A.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Laboratory Control Sample Analysis Report for Non-potable Water

Client: Haley & Aldrich

Client Job Site:	Delphi	**Lab Project Number:**	07-2207
Client Job Number:	70014-065		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Water	**Date Analyzed:**	06/27-28/2007

Lab Sample Number: LCS

Laboratory Control Sample Recovery Table

Spiked Compound	Spike Conc	% Recovery
1,1-Dichloroethene	50 ug / L	98.8
Trichloroethene	50 ug / L	104
Benzene	50 ug / L	114
Toluene	50 ug / L	111
Chlorobenzene	50 ug / L	108

Lab Sample Number: LCSD

Laboratory Control Sample Duplicate Recovery Table

Spiked Compound	Spike Conc	% Recovery
1,1-Dichloroethene	50 ug / L	114
Trichloroethene	50 ug / L	113
Benzene	50 ug / L	124
Toluene	50 ug / L	122
Chlorobenzene	50 ug / L	110

ELAP Number 10958

Spike	Advisory QC Spike Limits
1,1-Dichloroethene	68% - 152%
Trichloroethene	90% - 124%
Benzene	82% - 124%
Toluene	88% - 120%
Chlorobenzene	82% - 118%

Comments: ND denotes Not Spiked
ug / L = microgram per Liter
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 072207Q1.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Haley & Aldrich

Client Job Site: Delphi

Client Job Number: 70014-065

Sample Type: Water

Lab Project Number: 07-2207

Date Received: 06/22/2007

Lab Sample Number	Field Number	Field Location	1,2-DCE	Tol	4-BFB
Method Blank	N/A	N/A	94.7	80.7	67.5
LCS	N/A	N/A	104	105	102
LCSD	N/A	N/A	112	120	99.9
7545	N/A	Trip Blank	97.9	88.7	74.3
7546	N/A	6-21-01	101	88.3	76.4
7547	N/A	6-21-02	94.7	83.4	70.0

ELAP Number 10958

Surrogate	Advisory QC Surrogate Limits
1,2-Dichloroethane-d4 (1,2-DCE)	58% - 123%
Toluene-d8 (Tol)	32% - 114%
4-Bromofluorobenzene (4-BFB)	38% - 98%

Comments:

Signature: _____
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

File ID: 072207Q2.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY: Haley + Aldrich		COMPANY: Same	
ADDRESS: 200 Town Centre Dr		ADDRESS:	
CITY: Rochester	STATE: NY ZIP:	CITY:	STATE: ZIP:
PHONE: 321-4245	FAX:	PHONE:	FAX:
ATTN: Denis Conley		ATTN:	
COMMENTS:			

LAB PROJECT #: 07-2207
CLIENT PROJECT #: 70014-065

TURNAROUND TIME: (WORKING DAYS) ☐ 1 ☐ 2 ☐ 3 ☒ 5 (STD) ☐ OTHER

QUOTE #: per D.C. 6/22

PROJECT NAME/SITE NAME: Delphi

REQUESTED ANALYSIS

EAH 6/22

Analysis: VOCs 8260B — CP D.C 6/22 8260 TCL + * Site specific (see list attached) EAH 6/22

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	VOCs 8260B	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/21/07	1145		X	trip blank	WQ	1	X	trip blank	7545
2	↓	13:15		X	6-21-01	W	3	X		7546
3	↓	14:50		X	6-21-02	↓	2	X	~~need bottle~~ Params not met	7547
4	~~↓~~			~~X~~		~~↓~~		~~X~~	no sample	
5										
6										
7										
8										
9										
10										

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☒	N ☐
Preservation: Comments:	Y ☒	N ☐
Holding Time: Comments:	Y ☒	N ☐
Temperature: Comments: 6°C iced	Y ☒	N ☐

Sampled By	Bethany Zimmi	Date/Time 6/21/07 13:45
Relinquished By	Bethany Zimmi	Date/Time 6/21/07 16:07
Received By	[signature]	Date/Time 6/21/07 16:07
Received @ Lab By	Elizabeth A. Honch	Date/Time 6/22/07 1710

Total Cost:

P.I.F.

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ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Haley and Aldrich of New York
Client Job Site: Delphi
Client Job No.: N/A

Lab Project No.: 07-1890
Sample Type: Water
Analytical Method: EPA 335.3
Date Sampled: 5/31/2007
Date Received: 5/31/2007
Date Analyzed: 6/4/2007

Lab Sample ID.	Sample Location/Field ID	Total Cyanide (mg/l)
6675	0993-053107-1230	ND<0.01

ELAP ID No. 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____
Bruce Hoogesteger

Chain of custody provides additional sample information.

File ID: TCN07-1890.xls

PARADIGM
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179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Haley & Aldrich of NY
Client Job Site: Delphi
Client Job No.: N/A
Field Location: N/A
Field ID No.: 0993-053107-1230

Lab Project No.: 07-1890
Lab Sample No.: 6675
Sample Type: Water
Date Sampled: 05/31/2007
Date Received: 05/31/2007

Laboratory Report for Priority Pollutant Metals Analysis in Water

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Antimony	06/07/2007	EPA 200.7	<0.060
Arsenic	06/07/2007	EPA 200.7	<0.005
Beryllium	06/07/2007	EPA 200.7	<0.005
Cadmium	06/07/2007	EPA 200.7	<0.005
Chromium	06/07/2007	EPA 200.7	<0.010
Copper	06/07/2007	EPA 200.7	<0.010
Lead	06/08/2007	EPA 200.7	<0.005
Mercury	06/07/2007	EPA 245.1	<0.0002
Nickel	06/07/2007	EPA 200.7	<0.040
Selenium	06/07/2007	EPA 200.7	0.007
Silver	06/07/2007	EPA 200.7	<0.010
Thallium	06/07/2007	EPA 200.7	<0.006
Zinc	06/07/2007	EPA 200.7	<0.020

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

File ID:071890.XLS

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Haley & Aldrich of NY

Client Job Site: Delphi
Client Job Number: N/A
Field Location: N/A
Field ID Number: 0993-053107-1230
Sample Type: Water

Lab Project Number: 07-1890
Lab Sample Number: 6675

Date Sampled: 05/31/2007
Date Received: 05/31/2007
Date Analyzed: 06/05/2007

PCB Identification	Results in ug / L
Aroclor 1016	ND< 1.00
Aroclor 1221	ND< 1.00
Aroclor 1232	ND< 1.00
Aroclor 1242	ND< 1.00
Aroclor 1248	ND< 1.00
Aroclor 1254	ND< 1.00
Aroclor 1260	ND< 1.00

ELAP Number 10958 Method: EPA 8082

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile Analysis Report for Non-potable Water

Client: Haley & Aldrich of NY

Client Job Site: Delphi
Client Job Number: N/A
Field Location: N, IBR-403
Field ID Number: 0993-053107-1230
Sample Type: Water

Lab Project Number: 07-1890
Lab Sample Number: 6675

Date Sampled: 05/31/2007
Date Received: 05/31/2007
Date Analyzed: 06/05/2007

Base / Neutrals	Results in ug / L	Base / Neutrals	Results in ug / L
Acenaphthene	ND< 10.0	Dibenz (a,h) anthracene	ND< 10.0
Anthracene	ND< 10.0	Fluoranthene	ND< 10.0
Benzo (a) anthracene	ND< 10.0	Fluorene	ND< 10.0
Benzo (a) pyrene	ND< 10.0	Indeno (1,2,3-cd) pyrene	ND< 10.0
Benzo (b) fluoranthene	ND< 10.0	Naphthalene	ND< 10.0
Benzo (g,h,i) perylene	ND< 10.0	Phenanthrene	ND< 10.0
Benzo (k) fluoranthene	ND< 10.0	Pyrene	ND< 10.0
Chrysene	ND< 10.0	Acenaphthylene	ND< 10.0
Diethyl phthalate	ND< 10.0	1,2-Dichlorobenzene	ND< 10.0
Dimethyl phthalate	ND< 25.0	1,3-Dichlorobenzene	ND< 10.0
Butylbenzylphthalate	ND< 10.0	1,4-Dichlorobenzene	ND< 10.0
Di-n-butyl phthalate	ND< 10.0	1,2,4-Trichlorobenzene	ND< 10.0
Di-n-octylphthalate	ND< 10.0	Nitrobenzene	ND< 10.0
Bis (2-ethylhexyl) phthalate	ND< 10.0	2,4-Dinitrotoluene	ND< 10.0
2-Chloronaphthalene	ND< 10.0	2,6-Dinitrotoluene	ND< 10.0
Hexachlorobenzene	ND< 10.0	Bis (2-chloroethyl) ether	ND< 10.0
Hexachloroethane	ND< 10.0	Bis (2-chloroisopropyl) ether	ND< 10.0
Hexachlorocyclopentadiene	ND< 10.0	Bis (2-chloroethoxy) methan	ND< 10.0
Hexachlorobutadiene	ND< 10.0	4-Bromophenyl phenyl ether	ND< 10.0
N-Nitroso-di-n-propylamine	ND< 10.0 *	4-Chlorophenyl phenyl ether	ND< 10.0
N-Nitrosodiphenylamine	ND< 10.0	Benzidine	ND< 25.0
N-Nitrosodimethylamine	ND< 10.0	3,3'-Dichlorobenzidine	ND< 10.0
Isophorone	ND< 10.0	4-Chloroaniline	ND< 10.0
Benzyl alcohol	ND< 25.0	2-Nitroaniline	ND< 25.0
Dibenzofuran	ND< 10.0	3-Nitroaniline	ND< 25.0
2-Methylnapthalene	ND< 10.0	4-Nitroaniline	ND< 25.0

Acids	Results in ug / L	Acids	Results in ug / L
Phenol	ND< 10.0	2-Methylphenol	ND< 10.0
2-Chlorophenol	ND< 10.0	3&4-Methylphenol	ND< 10.0
2,4-Dichlorophenol	ND< 10.0	2,4-Dimethylphenol	ND< 10.0
2,6-Dichlorophenol	ND< 10.0	2-Nitrophenol	ND< 10.0
2,4,5-Trichlorophenol	ND< 25.0	4-Nitrophenol	ND< 25.0
2,4,6-Trichlorophenol	ND< 10.0	2,4-Dinitrophenol	ND< 10.0
Pentachlorophenol	ND< 25.0	4,6-Dinitro-2-methylphenol	ND< 25.0
4-Chloro-3-methylphenol	ND< 10.0	Benzoic acid	ND< 25.0

ELAP Number 10958 Method: EPA 8270C Data File: S34916.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter
* Associated LCS outside QC window for this analyte.

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Haley & Aldrich of NY

Client Job Site: Delphi
Client Job Number: N/A
Field Location: N, IBR-403
Field ID Number: 0993-053107-1230
Sample Type: Water

Lab Project Number: 07-1890
Lab Sample Number: 6675

Date Sampled: 05/31/2007
Date Received: 05/31/2007
Date Analyzed: 06/06/2007

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: V44938.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Haley & Aldrich of NY

Client Job Site: Delphi
Client Job Number: N/A
Field Location: Trip Blank
Field ID Number: 0993-053107-0001
Sample Type: Water

Lab Project Number: 07-1890
Lab Sample Number: 6676
Date Sampled: 05/31/2007
Date Received: 05/31/2007
Date Analyzed: 06/06/2007

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: V44939.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:			INVOICE TO:		
COMPANY: Haley & Aldrich of NY			COMPANY:		
ADDRESS: 200 Town Centre Dr			ADDRESS:		
CITY: Rochester	STATE: NY	ZIP: 14623	CITY:	STATE:	ZIP:
PHONE: 585.359.9000	FAX: 585.359.4650		PHONE:	FAX:	
ATTN: D. Lodge			ATTN:		
COMMENTS:					

LAB PROJECT #:	CLIENT PROJECT #:
07 1890	

TURNAROUND TIME: (WORKING DAYS)

STD ☒ 5 | OTHER ☐ 1 ☐ 2 ☐ 3

QUOTE #:

PROJECT NAME/SITE NAME: DELPHI

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCL VOC's	TCL SVOC's	TCL PCB's	PPL Metals	Total CN						REMARKS	PARADIGM LAB SAMPLE NUMBER
1	05/31/07	1230		X	D993-053107-1230	GW	6	X	X	X	X	X						ND, IBR-403	06075
2	—	—			D993-053107-0001	AQ	1	X										Trip Blank	06076
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☑	N ☐
Comments:		
Preservation: Vials	Y ☑	N ☐
Comments:		
Holding Time:	Y ☑	N ☐
Comments:		
Temperature: 20°C cool	Y ☐	N ☒
Comments:		

Sampled By — Date/Time: 5/31/07 1250

Relinquished By — Date/Time: 5/31/07 1350

Received By — Date/Time: 5/31/07 1350

Received @ Lab By — Date/Time: 5/31/07 1440

Total Cost:

P.I.F.