PRESCOTT ENVIRONMENTAL ASSOCIATES, INC.

November 1, 2002

Mr. Qu Qi
Asheville Regional Office
NC DENR - Division of Water Quality
Groundwater Section
59 Woodfin Place
Asheville, NC 28801-2414

Reference: Semi-Annual Groundwater Monitoring Report
Former Parkway Chevrolet
205 Smoky Park Highway, Asheville, Buncombe County, NC
Groundwater Incident Number: 18332
Incident Rank: 15B

Dear Mr. Qi:

Enclosed please find the most recent report for groundwater monitoring at the referenced Site. The report indicates that tetrachloroethene was again detected at a level above the NC 2L Groundwater Standard in MW-3, and below the standard in MW-1.

Thank you. Please let me know if you have any questions on this information.

Sincerely,

PRESCOTT ENVIRONMENTAL ASSOCIATES, INC.

Douglas P. Guild, CEP
President

Enclosure

RECEIVED
NOV - 4 2002
GROUNDWATER SECTION
ASHEVILLE REGIONAL OFFICE

POST OFFICE BOX 2555, CHAPEL HILL, NORTH CAROLINA 27515 ☎ (919) 942-8006 ❒ (919) 967-4953 info@prescottenv.com

RECEIVED
NOV - 4 2002
GROUNDWATER SECTION
ASHEVILLE REGIONAL OFFICE

SEMI-ANNUAL GROUNDWATER MONITORING

Former Parkway Chevrolet Facility
205 Smoky Park Highway
Asheville, Buncombe County, North Carolina

NC DENR Facility I.D. #0-029190
NC DENR Incident I.D. #18332

Prepared For:

Mr. Jan Chenowith
Young Realty Company, LP
7399 Shadeland Avenue, PMB #166
Indianapolis, Indiana 46250
(317) 577-2413

Prepared By:

PRESCOTT ENVIRONMENTAL ASSOCIATES, INC.
POST OFFICE BOX 2555, CHAPEL HILL, NORTH CAROLINA 27515-2555 (919) 942-8006

SEMI-ANNUAL
GROUNDWATER
MONITORING

Former Parkway Chevrolet Facility
205 Smoky Park Highway
Asheville, Buncombe County, North Carolina

NC DENR Facility I.D. #0-029190
NC DENR Incident I.D. #18332

Prescott Environmental Job Number 98-007

Prepared For:

Mr. Jan Chenowith
Young Realty Company, LP
7399 Shadeland Avenue, PMB #166
Indianapolis, Indiana 46250
(317) 577-2413

Issue Date: October 31, 2002

NORTH CAROLINA LICENSED SEAL 1164 GEOLOGIST THOMAS ROBERT WILL

Thomas R. Will, PG
Consulting Professional Geologist
NC Licensed Geologist #1164

Signature

Douglas P. Guild, CEP
Senior Environmental Scientist

for
Signature

Prepared By:

Prescott Environmental Associates, Inc.
P.O. Box 2555
Chapel Hill, North Carolina 27515
(919) 942-8006 Phone (919) 967-4953 Facsimile

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Figure 2 Site Base Map/Layout - Well Locations

Table 1 Summary of Current Groundwater Laboratory Results

APPENDICES

Appendix A Laboratory Analytical Reports

EXECUTIVE SUMMARY

Prescott Environmental Associates, Inc. (Prescott) completed semi-annual groundwater monitoring at the former Parkway Chevrolet property at 205 Smoky Park Highway in Asheville, Buncombe County, North Carolina (the Site). Site work was completed Wednesday, October 16, 2002. The objective of this project was to determine the current level of VOCs/semi-VOCs in groundwater at the Site.

Groundwater samples were collected from the three monitoring wells on the Site. There was no contamination from VOCs or semi-VOCs for the three groundwater samples submitted for analysis, with the exception of MW-3, in which tetrachloroethene was reported at 1.3 ug/L (NC 2L Standard is 0.7 ug/L), and MW-1, in which tetrachloroethene was reported at 0.4 ug/L. Methylene chloride was reported at 1.1 ug/L in MW-1 and 0.5 ug/L in MW-2 (NC 2L Standard is 5.0 ug/L).

1.0 INTRODUCTION AND METHODOLOGY

Prescott completed semi-annual groundwater monitoring for three groundwater monitoring wells at the Site. The field activities were completed on Wednesday, October 16, 2002. These environmental services were authorized by Mr. Jan Chenowith, Young Realty Company, LP, representing the former owner/operator of the dealership at the Site. The purpose of this project was to determine the extent of VOCs and semi-VOCs in groundwater. This project was completed following the submittal and approval of a proposed work plan to North Carolina Department of Environment and Natural Resources, Groundwater Section, Asheville Regional Office.

Figures and Tables are included at the end of the body of this Report. Figure 1, Site Location Map, illustrates the physical location of the Site. Figure 2, Site Base Map, illustrates the groundwater monitoring well locations. The table details laboratory analytical results.

The areas where groundwater monitoring wells are located include the following:

Eastern Side of Main Service Area - one shallow well to 30 feet (MW-1);

South Side of Auto Detailing Shop Building - one shallow well to 40 feet (MW-2A); and,

West Side of Parts Dept. Building - one shallow well to 25 feet (MW-3).

The wells were properly purged and developed prior to sampling. Groundwater elevation measurements were also collected.

This Report is provided for the sole use of Young Realty Company, LP, and their authorized parties. Use of this report by any other third parties will be at such parties' sole risk. Prescott disclaims any liability for any such use or reliance by third parties.

This report represents a reasonable effort to determine potential groundwater contamination, using the methodology described above and standard industry-accepted environmental assessment practices. However, it does not represent a guarantee that all potential contamination has been discovered at the Site or that the total extent of contamination has been determined at the Site.

2.0 SEMI-ANNUAL GROUNDWATER MONITORING/ANALYSIS

2.1 Introduction

A total of three (3) permanent groundwater monitoring wells were sampled on the Site for completion of this project.

2.2 Groundwater Gradient

The groundwater horizontal hydraulic gradient at the Site was determined by surveying the location and elevation of the groundwater monitoring wells to a common benchmark. The survey is accurate to the nearest 0.1 foot horizontally and nearest 0.01 foot vertically. Prescott personnel measured the distance from the static groundwater level to the top of the well casings to an accuracy of 0.01-foot. Using this water level information, Prescott previously compiled a hydraulic gradient map which can be found in a Comprehensive Site Assessment report issued August 5, 1998 (Figure 6). Prescott also calculated the horizontal groundwater gradient across the site to be 0.08 ft/ft for the 8/5/98 event. Based on data collected during previous measuring events, it was concluded that the groundwater gradient trends mainly in a southern direction, toward Smoky Park Highway.

2.3 Local Receptors

A receptor survey was previously completed by Prescott to determine if water supply wells are located in the immediate vicinity of the Site. The closest receptor water supply is the water supply well at the Monticello Mobile Home Park, located approximately 750 feet northeast of the subject property. This well is reported to serve approximately 50 mobile homes. Again, the local groundwater flow direction is toward the south, away from this property. The subject Site is also topographically down gradient from the mobile home park. Most properties in the vicinity of the Site are served by the Asheville municipal water supply.

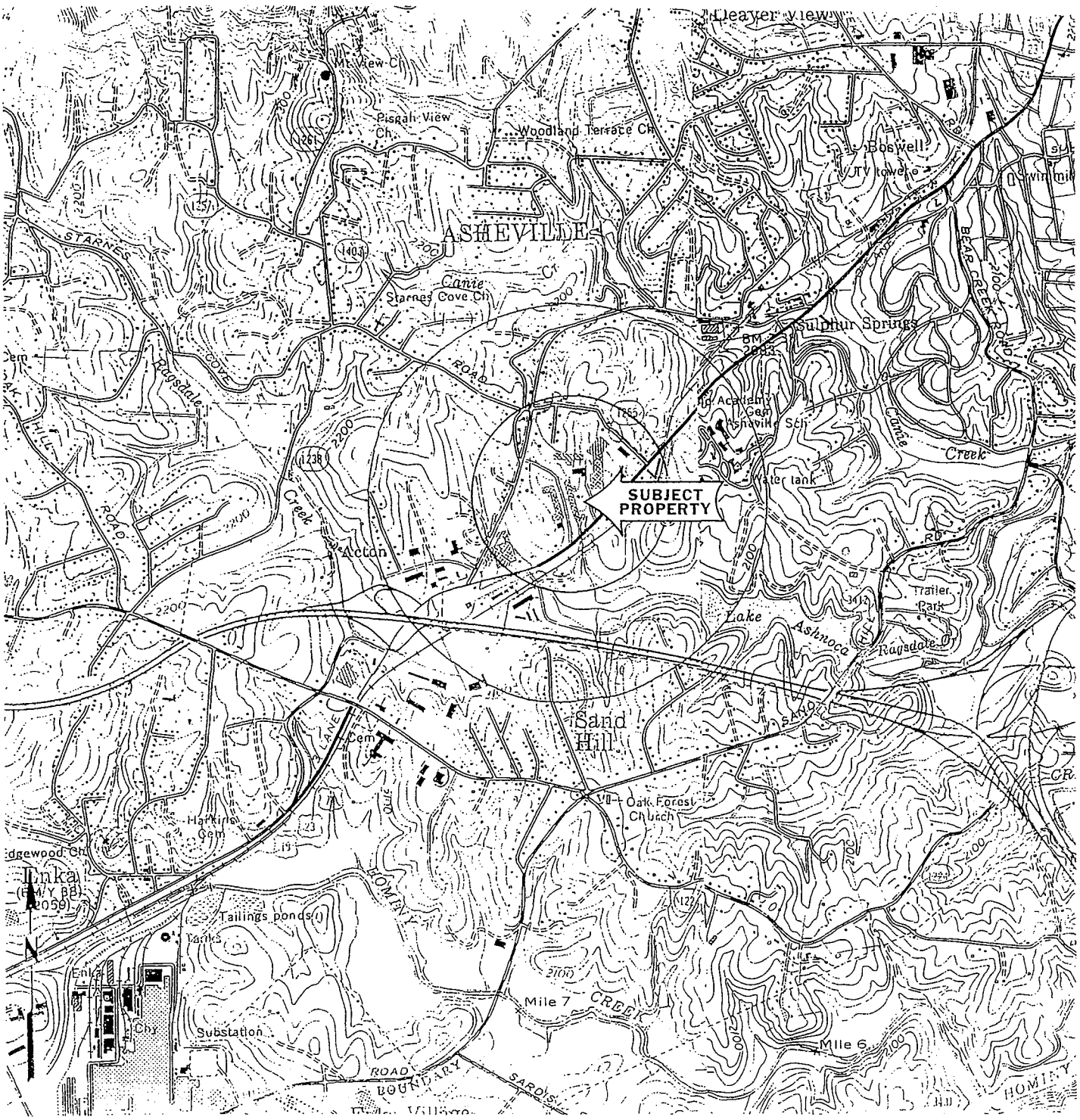
3.0 CONCLUSIONS AND RECOMMENDATIONS

The primary objective of this project was to complete semi-annual groundwater monitoring for evidence of contamination from volatile and semi-volatile organic compounds. The Work Plan for this project was approved prior to the initiation of site activities by the Groundwater Section of the North Carolina Department of Environment and Natural Resources (NC DENR).

This project included the collection of samples from three (3) groundwater monitoring wells on the Site. There was no contamination from VOCs or semi-VOCs reported for the three groundwater samples analyzed, with the exception of MW-3, in which tetrachloroethene was reported at 1.3 ug/L (NC 2L Standard is 0.7 ug/L) and MW-1, in which tetrachloroethene was reported at 0.4 ug/L. Methylene chloride was reported at 1.1 ug/L in MW-1 and 0.5 ug/L in MW-2 (NC 2L Standard is 5.0 ug/L).

The source of the tetrachloroethene is not known at this time. It has been detected during recent sampling events. Additional sampling and analysis events should be completed to verify the existence of this compound and to provide continuing groundwater monitoring at the Site.

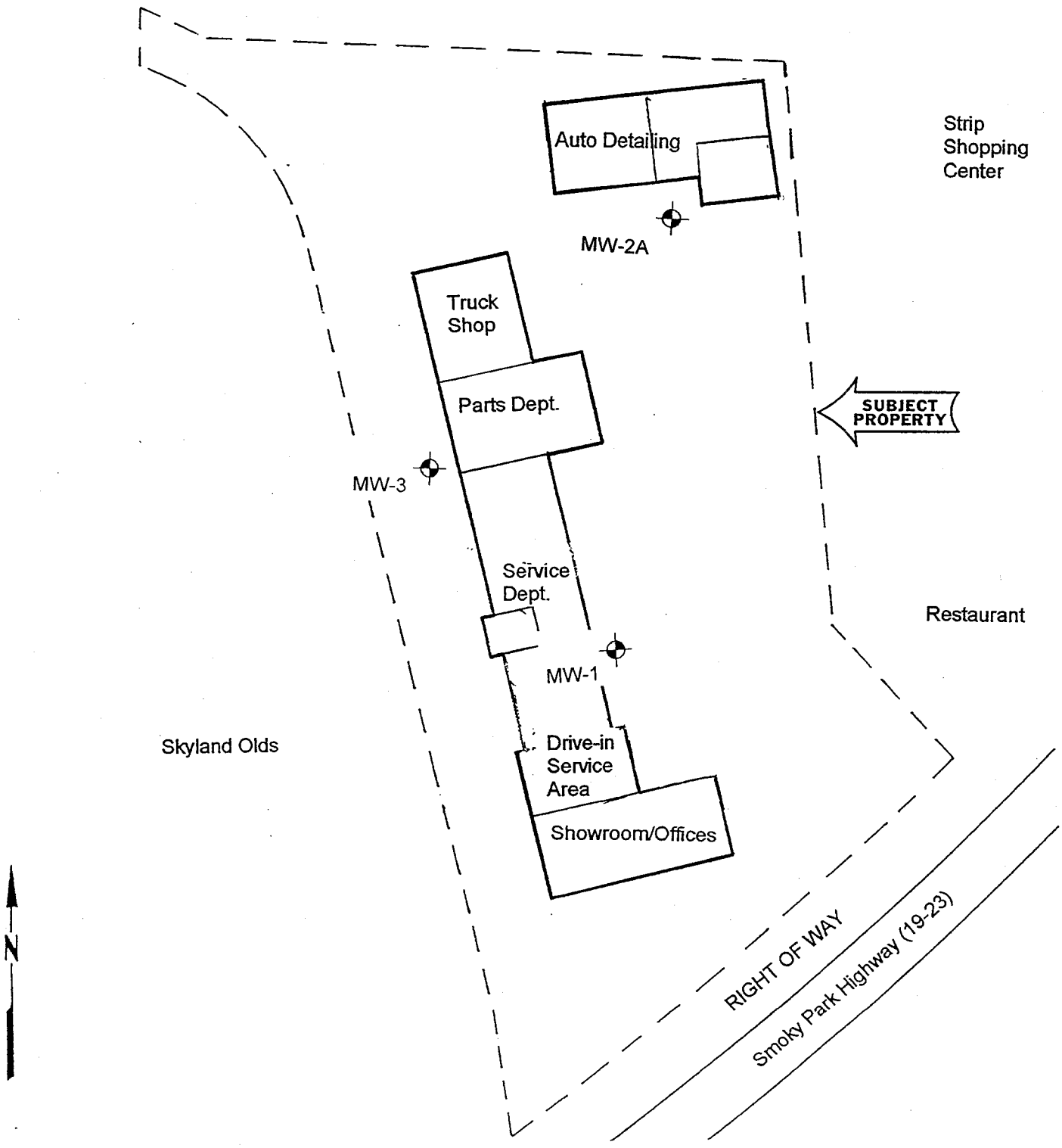
FIGURES AND TABLES



PRESCOTT ENVIRONMENTAL ASSOCIATES, INC
POST OFFICE BOX 2555
CHAPEL HILL, NORTH CAROLINA 27515-2555
(919) 942-8006 PHONE (919) 967-4953 FACSIMILE

Project:	Job No:	Figure No: 1
Phase III ESA	98-007	Site Map
Parkway Chevrolet 205 Smoky Park Highway	Drawn By: CRG	Date: 3/23/98
Asheville, NC	Checked By: DPG	Scale: 1"=2000'

Carolina Truck & Body



PRESCOTT ENVIRONMENTAL ASSOCIATES, INC.
POST OFFICE BOX 2555
CHAPEL HILL, NORTH CAROLINA 27515-2555
(919) 942-8006 PHONE (919) 967-4953 FACSIMILE

Project: PARKWAY CHEVROLET Asheville, NC Phase III ESA	Job No: 98-007	Figure No: 2 Site Base Map/Layout
	Drawn By: CRG	Date: 3/8/98
	Checked By: DPG	Scale: 1" = 128'

TABLE 1

Semi-Annual
Groundwater Monitoring
Laboratory Analytical Results

Former Parkway Chevrolet Facility
205 Smoky Park Highway
Asheville, Buncombe County, NC

Sample I.D.	Date/Time	Monitoring Well	Lab Results
W-1	10/16/02 - 15:35	MW-1	502.2 - **Tetrachloroethene - 0.4 ug/L*** **methylene chloride - 1.1 ug/L** 625+10 - BQL[1,2]
W-2A	10/16/02 - 14:50	MW-2A	502.2 - BQL **methylene chloride - 0.5 ug/L** 625 + 10 - BQL
W-3	10/16/02 - 15:10	MW-3	502.2 - BQL **Tetrachloroethene - 1.3 ug/L** 625 + 10 - BQL

[1]BQL - Below Quantitation Limit
[2]Note - very low concentrations of unknown constituents were identified in all three groundwater samples (TICs).
* Estimated value - see attached definitions of laboratory qualifiers.

APPENDICES

APPENDIX A

LABORATORY ANALYTICAL REPORTS

CompuChem

a division of Liberty Analytical Corp.

October 28, 2002

DOUG GUILD
PRESCOTT ENV.
312 W. FRANKLIN STREET
CHAPEL HILL, NC 27516

Subject:
Report of Data – Project: PARKWAY 98-007 Quote #: Q2558 SDG #: T2558

Attn.: DOUG GUILD

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-1

Lab Name: COMPUCHEM Contract: 625

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2558

Matrix: (soil/water) WATER Lab Sample ID: T2558-1

Sample wt/vol: 500 (g/mL) ML Lab File ID: T2558-1A64

Level: (low/med) LOW Date Received: 10/17/02

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/17/02

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/21/02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
39638-32-9	bis(2-Chloroisopropyl)ether	10	U
621-64-7	N-Nitroso-di-N-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-1

Lab Name: COMPUCHEM Contract: 625

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2558

Matrix: (soil/water) WATER Lab Sample ID: T2558-1

Sample wt/vol: 500 (g/mL) ML Lab File ID: T2558-1A64

Level: (low/med) LOW Date Received: 10/17/02

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/17/02

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/21/02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
122-66-7	1,2-Diphenylhydrazine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
92-87-5	Benzidine	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-c,d)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

W-1

Lab Name: COMPUCHEM Contract: 625

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2558

Matrix: (soil/water) WATER Lab Sample ID: T2558-1

Sample wt/vol: 500 (g/mL) ML Lab File ID: T2558-1A64

Level: (low/med) LOW Date Received: 10/17/02

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/17/02

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/21/02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	16.72	4	J
2.					
3.					
4.					
5.					
6.					
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8.					
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27.					
28.					
29.					
30.					

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-2A

Lab Name: COMPUCHEM Contract: 625

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2558

Matrix: (soil/water) WATER Lab Sample ID: T2558-2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: T2558-2A64

Level: (low/med) LOW Date Received: 10/17/02

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/17/02

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/21/02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
39638-32-9	bis(2-Chloroisopropyl)ether	10	U
621-64-7	N-Nitroso-di-N-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-2A

Lab Name: COMPUCHEM Contract: 625

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2558

Matrix: (soil/water) WATER Lab Sample ID: T2558-2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: T2558-2A64

Level: (low/med) LOW Date Received: 10/17/02

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/17/02

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/21/02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
122-66-7	1,2-Diphenylhydrazine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
92-87-5	Benzidine	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-c,d)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

W-2A

Lab Name: COMPUCHEM Contract: 625

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2558

Matrix: (soil/water) WATER Lab Sample ID: T2558-2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: T2558-2A64

Level: (low/med) LOW Date Received: 10/17/02

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/17/02

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/21/02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-88-3	TOLUENE	2.43	5	NJ
2.				
3.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-3

Lab Name: COMPUCHEM Contract: 625

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2558

Matrix: (soil/water) WATER Lab Sample ID: T2558-3

Sample wt/vol: 1075 (g/mL) ML Lab File ID: T2558-3A64

Level: (low/med) LOW Date Received: 10/17/02

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/17/02

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/21/02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	9	U
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl)ether	9	U
95-57-8	2-Chlorophenol	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
39638-32-9	bis(2-Chloroisopropyl)ether	9	U
621-64-7	N-Nitroso-di-N-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy)methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
91-20-3	Naphthalene	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
91-58-7	2-Chloronaphthalene	9	U
131-11-3	Dimethylphthalate	9	U
606-20-2	2,6-Dinitrotoluene	9	U
208-96-8	Acenaphthylene	9	U
83-32-9	Acenaphthene	9	U
51-28-5	2,4-Dinitrophenol	47	U
100-02-7	4-Nitrophenol	19	U
121-14-2	2,4-Dinitrotoluene	9	U
84-66-2	Diethylphthalate	9	U
7005-72-3	4-Chlorophenyl-phenylether	9	U
86-73-7	Fluorene	9	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-3

Lab Name: COMPUCHEM Contract: 625

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2558

Matrix: (soil/water) WATER Lab Sample ID: T2558-3

Sample wt/vol: 1075 (g/mL) ML Lab File ID: T2558-3A64

Level: (low/med) LOW Date Received: 10/17/02

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/17/02

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/21/02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	19	U
86-30-6	N-Nitrosodiphenylamine (1)	9	U
122-66-7	1,2-Diphenylhydrazine	9	U
101-55-3	4-Bromophenyl-phenylether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	19	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
84-74-2	Di-n-butylphthalate	9	U
206-44-0	Fluoranthene	9	U
92-87-5	Benzidine	19	U
129-00-0	Pyrene	9	U
85-68-7	Butylbenzylphthalate	9	U
117-81-7	bis(2-ethylhexyl)Phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	19	U
56-55-3	Benzo(a)Anthracene	9	U
218-01-9	Chrysene	9	U
117-84-0	Di-n-octylphthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
50-32-8	Benzo(a)pyrene	9	U
193-39-5	Indeno(1,2,3-c,d)pyrene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
191-24-2	Benzo(g,h,i)perylene	9	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

W-3

Lab Name: COMPUCHEM Contract: 625

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2558

Matrix: (soil/water) WATER Lab Sample ID: T2558-3

Sample wt/vol: 1075 (g/mL) ML Lab File ID: T2558-3A64

Level: (low/med) LOW Date Received: 10/17/02

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/17/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

FINAL REPORT OF ANALYSES

COMPUCHEM
Attn: DIANE BYRD
501 MADISON AVENUE
CARY, NC 27513-

REPORT DATE: 10/30/02

SAMPLE NUMBER- 201485 SAMPLE ID- W-1
DATE SAMPLED- 10/16/02
DATE RECEIVED- 10/17/02 SAMPLER- NOT SPECIFIED
TIME RECEIVED- 1542 DELIVERED BY- CHRIS BRAND

SAMPLE MATRIX- GW
TIME SAMPLED- 1535
RECEIVED BY- ALT

Page 1 of 3 PROJECT NAME : PARKWAY CHEV.

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
MODIFIED EPA 8021	EPA 8021	10/17/02	JBR			
ISOPROPYL ETHER (IPE)	EPA 8021			< 1.0	ug/L	1.0
METHYLTERT-BUTYLETHER (MTBE)	EPA 8021			< 1.0	ug/L	1.0
VOLATILE ORGANIC COMPOUNDS	502.2	10/17/02	JBR			
BENZENE	502.2			< 0.5	ug/L	0.5
BROMOBENZENE	502.2			< 0.5	ug/L	0.5
BROMOCHLOROMETHANE	502.2			< 0.5	ug/L	0.5
BROMODICHLOROMETHANE	502.2			< 0.5	ug/L	0.5
BROMOFORM	502.2			< 0.5	ug/L	0.5
BROMOMETHANE	502.2			< 0.5	ug/L	0.5
n-BUTYLBENZENE	502.2			< 0.5	ug/L	0.5
sec-BUTYLBENZENE	502.2			< 0.5	ug/L	0.5
tert-BUTYLBENZENE	502.2			< 0.5	ug/L	0.5
CARBON TETRACHLORIDE	502.2			< 0.5	ug/L	0.5
CHLOROBENZENE	502.2			< 0.5	ug/L	0.5
CHLOROETHANE	502.2			< 0.5	ug/L	0.5
CHLOROFORM	502.2			< 0.5	ug/L	0.5
CHLOROMETHANE	502.2			< 0.5	ug/L	0.5
2-CHLOROTOLUENE	502.2			< 0.5	ug/L	0.5
4-CHLOROTOLUENE	502.2			< 0.5	ug/L	0.5
DIBROMOCHLOROMETHANE	502.2			< 0.5	ug/L	0.5

QUICK FAX OfficeMax

Date: 10/30 # Of Pages: 10	
To: Compuchem	From: Link
Co./Dept.: Diane	Co./Dept.: CET
Fax:	Fax:
Phone:	Phone: 467-3090
Note: 379-4040	E-Mail:

P.O. Box 12298 • Research Triangle Park, NC 27709
Telephone (919) 467-3090
Shipping: 102-A Woodwinds Industrial Court • Cary, NC 27511
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CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

Page 2 of 3 PROJECT NAME : PARKWAY CHEV.

CONTINUATION OF DATA FOR SAMPLE NUMBER 201485

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
1,2-DIBROMO-3-CHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,2-DIBROMOETHANE	502.2			< 0.5	ug/L	0.5
DIBROMOMETHANE	502.2			< 0.5	ug/L	0.5
1,2-DICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
1,3-DICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
1,4-DICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
DICHLORODIFLUOROMETHANE	502.2			< 0.5	ug/L	0.5
1,1-DICHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,2-DICHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,1 DICHLOROETHENE	502.2			< 0.5	ug/L	0.5
cis-1,2-DICHLOROETHENE	502.2			< 0.5	ug/L	0.5
trans-1,2-DICHLOROETHENE	502.2			< 0.5	ug/L	0.5
1,2-DICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,3-DICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
2,2-DICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,1-DICHLOROPROPENE	502.2			< 0.5	ug/L	0.5
cis-1,3-DICHLOROPROPENE	502.2			< 0.5	ug/L	0.5
trans-1,3-DICHLOROPROPENE	502.2			< 0.5	ug/L	0.5
ETHYLBENZENE	502.2			< 0.5	ug/L	0.5
HEXACHLOROBUTADIENE	502.2			< 0.5	ug/L	0.5
ISOPROPYLBENZENE	502.2			< 0.5	ug/L	0.5
p-ISOPROPYLTOLUENE	502.2			< 0.5	ug/L	0.5
METHYLENE CHLORIDE	502.2			1.1	ug/L	0.5
NAPHTHALENE	502.2			< 0.5	ug/L	0.5
n-PROPYLBENZENE	502.2			< 0.5	ug/L	0.5
STYRENE	502.2			< 0.5	ug/L	0.5
1,1,1,2-TETRACHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,1,2,2-TETRACHLOROETHANE	502.2			< 0.5	ug/L	0.5
TETRACHLOROETHENE	502.2			0.4	J ug/L	0.5
TOLUENE	502.2			< 0.5	ug/L	0.5
1,2,3-TRICHLOROBENZENE	502.2			< 0.5	ug/L	0.5

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CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

 PROJECT NAME : PARKWAY CHEV.

CONTINUATION OF DATA FOR SAMPLE NUMBER 201485

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
1,2,4-TRICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
1,1,1-TRICHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,1,2-TRICHLOROETHANE	502.2			< 0.5	ug/L	0.5
TRICHLOROETHENE	502.2			< 0.5	ug/L	0.5
TRICHLOROFLUOROMETHANE	502.2			< 0.5	ug/L	0.5
1,2,3-TRICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,2,4-TRIMETHYLBENZENE	502.2			< 0.5	ug/L	0.5
1,3,5-TRIMETHYLBENZENE	502.2			< 0.5	ug/L	0.5
VINYL CHLORIDE	502.2			< 0.5	ug/L	0.5
o-XYLENE	502.2			< 0.5	ug/L	0.5
m,p-XYLENES	502.2			< 0.5	ug/L	0.5
2-BROMO-1-CHLOROPROPANE	502.2			94.7	percent	-
FLUOROBENZENE	502.2			96.7	percent	-

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.

NC DENR CERTIFICATIONS: DWQ - 96; PUBLIC WATER SUPPLY - 37724

LABORATORY DIRECTOR

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Fax (919) 467-3515

CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

FINAL REPORT OF ANALYSES

COMPUCHEM
Attn: DIANE BYRD
501 MADISON AVENUE
CARY, NC 27513-

REPORT DATE: 10/30/02

SAMPLE NUMBER- 201486 SAMPLE ID- W-2A
DATE SAMPLED- 10/16/02
DATE RECEIVED- 10/17/02 SAMPLER- NOT SPECIFIED
TIME RECEIVED- 1542 DELIVERED BY- CHRIS BRAND

SAMPLE MATRIX- GW
TIME SAMPLED- 1450
RECEIVED BY- ALT

Page 1 of 3 PROJECT NAME : PARKWAY CHEV.

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
MODIFIED EPA 8021	EPA 8021	10/17/02	JBR			
ISOPROPYL ETHER (IPE)	EPA 8021			< 1.0	ug/L	1.0
METHYLTERT-BUTYLETHER (MTBE)	EPA 8021			< 1.0	ug/L	1.0
VOLATILE ORGANIC COMPOUNDS	502.2	10/17/02	JBR			
BENZENE	502.2			< 0.5	ug/L	0.5
BROMOBENZENE	502.2			< 0.5	ug/L	0.5
BROMOCHLOROMETHANE	502.2			< 0.5	ug/L	0.5
BROMODICHLOROMETHANE	502.2			< 0.5	ug/L	0.5
BROMOFORM	502.2			< 0.5	ug/L	0.5
BROMOMETHANE	502.2			< 0.5	ug/L	0.5
n-BUTYLBENZENE	502.2			< 0.5	ug/L	0.5
sec-BUTYLBENZENE	502.2			< 0.5	ug/L	0.5
tert-BUTYLBENZENE	502.2			< 0.5	ug/L	0.5
CARBON TETRACHLORIDE	502.2			< 0.5	ug/L	0.5
CHLOROBENZENE	502.2			< 0.5	ug/L	0.5
CHLOROETHANE	502.2			< 0.5	ug/L	0.5
CHLOROFORM	502.2			< 0.5	ug/L	0.5
CHLOROMETHANE	502.2			< 0.5	ug/L	0.5
2-CHLOROTOLUENE	502.2			< 0.5	ug/L	0.5
4-CHLOROTOLUENE	502.2			< 0.5	ug/L	0.5
DIBROMOCHLOROMETHANE	502.2			< 0.5	ug/L	0.5

CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

Page 2 of 3 PROJECT NAME : PARKWAY CHEV.

CONTINUATION OF DATA FOR SAMPLE NUMBER 201486

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
1,2-DIBROMO-3-CHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,2-DIBROMOETHANE	502.2			< 0.5	ug/L	0.5
DIBROMOMETHANE	502.2			< 0.5	ug/L	0.5
1,2-DICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
1,3-DICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
1,4-DICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
DICHLORODIFLUOROMETHANE	502.2			< 0.5	ug/L	0.5
1,1-DICHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,2-DICHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,1 DICHLOROETHENE	502.2			< 0.5	ug/L	0.5
cis-1,2-DICHLOROETHENE	502.2			< 0.5	ug/L	0.5
trans-1,2-DICHLOROETHENE	502.2			< 0.5	ug/L	0.5
1,2-DICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,3-DICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
2,2-DICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,1-DICHLOROPROPENE	502.2			< 0.5	ug/L	0.5
cis-1,3-DICHLOROPROPENE	502.2			< 0.5	ug/L	0.5
trans-1,3-DICHLOROPROPENE	502.2			< 0.5	ug/L	0.5
ETHYLBENZENE	502.2			< 0.5	ug/L	0.5
HEXACHLOROBUTADIENE	502.2			< 0.5	ug/L	0.5
ISOPROPYLBENZENE	502.2			< 0.5	ug/L	0.5
p-ISOPROPYLTOLUENE	502.2			< 0.5	ug/L	0.5
METHYLENE CHLORIDE	502.2			0.5	ug/L	0.5
NAPHTHALENE	502.2			< 0.5	ug/L	0.5
n-PROPYLBENZENE	502.2			< 0.5	ug/L	0.5
STYRENE	502.2			< 0.5	ug/L	0.5
1,1,1,2-TETRACHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,1,2,2-TETRACHLOROETHANE	502.2			< 0.5	ug/L	0.5
TETRACHLOROETHENE	502.2			< 0.5	ug/L	0.5
TOLUENE	502.2			< 0.5	ug/L	0.5
1,2,3-TRICHLOROBENZENE	502.2			< 0.5	ug/L	0.5

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CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

 PROJECT NAME : PARKWAY CHEV.

CONTINUATION OF DATA FOR SAMPLE NUMBER 201486

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
1,2,4-TRICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
1,1,1-TRICHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,1,2-TRICHLOROETHANE	502.2			< 0.5	ug/L	0.5
TRICHLOROETHENE	502.2			< 0.5	ug/L	0.5
TRICHLOROFLUOROMETHANE	502.2			< 0.5	ug/L	0.5
1,2,3-TRICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,2,4-TRIMETHYLBENZENE	502.2			< 0.5	ug/L	0.5
1,3,5-TRIMETHYLBENZENE	502.2			< 0.5	ug/L	0.5
VINYL CHLORIDE	502.2			< 0.5	ug/L	0.5
o-XYLENE	502.2			< 0.5	ug/L	0.5
m,p-XYLENES	502.2			< 0.5	ug/L	0.5
2-BROMO-1-CHLOROPROPANE	502.2			87.7	percent	-
FLUOROBENZENE	502.2			98.5	percent	-

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.

NC DENR CERTIFICATIONS: DWQ - 96; PUBLIC WATER SUPPLY - 37724

LABORATORY DIRECTOR

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CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

FINAL REPORT OF ANALYSES

COMPUCHEM
Attn: DIANE BYRD
501 MADISON AVENUE
CARY, NC 27513-

REPORT DATE: 10/30/02

SAMPLE NUMBER- 201487 SAMPLE ID- W-3 SAMPLE MATRIX- GW
DATE SAMPLED- 10/16/02 TIME SAMPLED- 1510
DATE RECEIVED- 10/17/02 SAMPLER- NOT SPECIFIED RECEIVED BY- ALT
TIME RECEIVED- 1542 DELIVERED BY- CHRIS BRAND

Page 1 of 3 PROJECT NAME : PARKWAY CHEV.

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
MODIFIED EPA 8021	EPA 8021	10/17/02	JBR			
ISOPROPYL ETHER (IPE)	EPA 8021			< 1.0	ug/L	1.0
METHYLTERT-BUTYLETHER (MTBE)	EPA 8021			< 1.0	ug/L	1.0
VOLATILE ORGANIC COMPOUNDS	502.2	10/17/02	JBR			
BENZENE	502.2			< 0.5	ug/L	0.5
BROMOBENZENE	502.2			< 0.5	ug/L	0.5
BROMOCHLOROMETHANE	502.2			< 0.5	ug/L	0.5
BROMODICHLOROMETHANE	502.2			< 0.5	ug/L	0.5
BROMOFORM	502.2			< 0.5	ug/L	0.5
BROMOMETHANE	502.2			< 0.5	ug/L	0.5
n-BUTYLBENZENE	502.2			< 0.5	ug/L	0.5
sec-BUTYLBENZENE	502.2			< 0.5	ug/L	0.5
tert-BUTYLBENZENE	502.2			< 0.5	ug/L	0.5
CARBON TETRACHLORIDE	502.2			< 0.5	ug/L	0.5
CHLOROBENZENE	502.2			< 0.5	ug/L	0.5
CHLOROETHANE	502.2			< 0.5	ug/L	0.5
CHLOROFORM	502.2			< 0.5	ug/L	0.5
CHLOROMETHANE	502.2			< 0.5	ug/L	0.5
2-CHLOROTOLUENE	502.2			< 0.5	ug/L	0.5
4-CHLOROTOLUENE	502.2			< 0.5	ug/L	0.5
DIBROMOCHLOROMETHANE	502.2			< 0.5	ug/L	0.5

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CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

 PROJECT NAME : PARKWAY CHEV.

CONTINUATION OF DATA FOR SAMPLE NUMBER 201487

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
1,2-DIBROMO-3-CHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,2-DIBROMOETHANE	502.2			< 0.5	ug/L	0.5
DIBROMOMETHANE	502.2			< 0.5	ug/L	0.5
1,2-DICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
1,3-DICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
1,4-DICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
DICHLORODIFLUOROMETHANE	502.2			< 0.5	ug/L	0.5
1,1-DICHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,2-DICHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,1 DICHLOROETHENE	502.2			< 0.5	ug/L	0.5
cis-1,2-DICHLOROETHENE	502.2			< 0.5	ug/L	0.5
trans-1,2-DICHLOROETHENE	502.2			< 0.5	ug/L	0.5
1,2-DICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,3-DICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
2,2-DICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,1-DICHLOROPROPENE	502.2			< 0.5	ug/L	0.5
cis-1,3-DICHLOROPROPENE	502.2			< 0.5	ug/L	0.5
trans-1,3-DICHLOROPROPENE	502.2			< 0.5	ug/L	0.5
ETHYLBENZENE	502.2			< 0.5	ug/L	0.5
HEXACHLOROBUTADIENE	502.2			< 0.5	ug/L	0.5
ISOPROPYLBENZENE	502.2			< 0.5	ug/L	0.5
p-ISOPROPYLTOLUENE	502.2			< 0.5	ug/L	0.5
METHYLENE CHLORIDE	502.2			< 0.5	ug/L	0.5
NAPHTHALENE	502.2			< 0.5	ug/L	0.5
n-PROPYLBENZENE	502.2			< 0.5	ug/L	0.5
STYRENE	502.2			< 0.5	ug/L	0.5
1,1,1,2-TETRACHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,1,2,2-TETRACHLOROETHANE	502.2			< 0.5	ug/L	0.5
TETRACHLOROETHENE	502.2			1.3	ug/L	0.5
TOLUENE	502.2			< 0.5	ug/L	0.5
1,2,3-TRICHLOROBENZENE	502.2			< 0.5	ug/L	0.5

P.O. Box 12298 • Research Triangle Park, NC 27709
Telephone (919) 467-3090

Shipping: 102-A Woodwinds Industrial Court • Cary, NC 27511
Fax (919) 467-3515

CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

Page 3 of 3 PROJECT NAME : PARKWAY CHEV.

CONTINUATION OF DATA FOR SAMPLE NUMBER 201487

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
1,2,4-TRICHLOROBENZENE	502.2			< 0.5	ug/L	0.5
1,1,1-TRICHLOROETHANE	502.2			< 0.5	ug/L	0.5
1,1,2-TRICHLOROETHANE	502.2			< 0.5	ug/L	0.5
TRICHLOROETHENE	502.2			< 0.5	ug/L	0.5
TRICHLOROFLUOROMETHANE	502.2			< 0.5	ug/L	0.5
1,2,3-TRICHLOROPROPANE	502.2			< 0.5	ug/L	0.5
1,2,4-TRIMETHYLBENZENE	502.2			< 0.5	ug/L	0.5
1,3,5-TRIMETHYLBENZENE	502.2			< 0.5	ug/L	0.5
VINYL CHLORIDE	502.2			< 0.5	ug/L	0.5
o-XYLENE	502.2			< 0.5	ug/L	0.5
m,p-XYLENES	502.2			< 0.5	ug/L	0.5
2-BROMO-1-CHLOROPROPANE	502.2			81.2	percent	-
FLUOROBENZENE	502.2			95.3	percent	-

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.

NC DENR CERTIFICATIONS: DWQ - 96; PUBLIC WATER SUPPLY - 37724

LABORATORY DIRECTOR

P.O. Box 12298 • Research Triangle Park, NC 27709
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Shipping: 102-A Woodwinds Industrial Court • Cary, NC 27511
Fax (919) 467-3515

PRESCOTT ENV...

CHAIN-OF-CUSTODY RECORD

No. 060462 1 of 1

COMPUCHEM
a division of Liberty Analytical Corp.
501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: PARKWAY CHEVROLET	Client Address: P.O. BOX 2555 CHAPEL HILL, NC 27515	Point-of-Contact: DOUG GUILD
Carrier: FEDEX		Telephone No.: 942-8006
Airbill No.: 837604288597		Sampling complete? Y or N (see Note 1)
Sampler Name: DOUG GUILD / ERIC KULZ	Sampler Signature:	Project-specific (PS) or Batch (B) QC ? B

BOX #1	BOX #2	BOX #3	Box #4	Box #5
1. Surface Water	A. HCl + Ice	F. Ice Only	F. Filtered	H. High
2. Ground Water	B. HNO3 + Ice	G. Other_____	U. Unfiltered	M. Medium
3. Leachate	C. NaOH + Ice	H. NaHSO4 + Ice		L. Low
4. Rinsate	D. H2SO4 + Ice	I. ZnAc+NaOH + Ice		
5. Soil / Sediment / Sludge	E. Unpreserved			
6. Trip Blank				
7. Oil				
8. Waste				
9. Other_____				

Box #6	
C. CLP 3/90	T. TCLP
S. SW-846	
W. CWA 600-series	
O. Other_____	

Sample ID (9 characters maximum)	Date:Year	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	No. of Bottles	Use for Lab QC (MS or DUP)	VOA	SVOC	Pesticide	PCB	Herbicide	Metals / Mercury	Cyanide	TOC / TOX	O&G / TPH	Remarks / Comments (see Notes 2 & 3)
W-1	10/16/02	1535 ~~1450~~	2	HCl	U	L	502.2	3		3									
W-1	10/16/02	1533 ~~1450~~	2	E	U	L	625+10	1		1	→	[illegible]							
W-2A	10/16/02	1450	2	HCl	U	L	502.2	3		3									
W-2A	10/16/02	14:50	2	E	U	L	625+10	2		2	→	[illegible]							
W-3	10/16/02	15:10	2	HCl	U	L	502.2	3		3									
W-3	10/16/02	15:10	2	E	U	L	625+10	2		2	→	[illegible]							
	/	:																	
	/	:																	
	/	:																	
	/	:																	

Clients Special Instructions: PARKWAY CHEVROLET - 98-007 Temperature 5.7 °C

Lab: Received in Good Condition? Y or N Describe Problems, if any:

#1 Relinquished By: (Sig) [signature]	Date: 10/16	#2 Relinquished By: (Sig)	Date:	#3 Relinquished By: (Sig)	Date:
Company Name: PEAT	Time: 1601	Company Name:	Time:	Company Name:	Time:
#1 Received By: (Sig) FEDEX	Date:	#2 Received By: (Sig) C A Lee	Date: 10-12-02	#3 Received By: (Sig)	Date:
Company Name:	Time:	Company Name: Comp Chem	Time: 8:50	Company Name:	Time:

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now

CompuChem

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These adjustments are performed by the data reviewer, GC/MS operator, or GC chemist. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration of each compound to demonstrate the accuracy of that process. Adjustments are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count as possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that the data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW requires additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC data packages.

Robert E. Meierer

Robert E. Meierer

Vice President

Revision 5 (10/27/99)

CompuChem
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DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue.

DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and all reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A : This flag indicates that a TIC is a suspected aldol-condensation product.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

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DATA REPORTING QUALIFIERS FOR INORGANICS

On Form I, under the column labeled "C" for concentration qualifier and "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each analyte.

The C (concentration) qualifiers used are:

U: This flag indicates the analyte was analyzed for but not detected. This reported value was obtained from a reading that was less than the Instrument Detection Limit (IDL). The IDL will be adjusted to reflect any dilution and, for soils, the percent moisture.

B: This flag indicates the analyte was analyzed for and the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

The Q qualifiers used are:

E: This flag indicates an estimated value. This flag is used:

1 When the serial dilution (a five fold dilution for CLP and a five fold dilution for SW-846 method 6010B) results are not within 10%. The analyte concentration must be sufficiently high (minimally a factor of 50X above the IDL in the original sample).

N: This flag indicates the sample spike recovery is outside of control limits:

*: This flag is used for duplicate analysis when the sample and the sample duplicate results are not within control limits.

The extensions: D, S, SD, L, A, added to the end of the client ID represent as follows:

D: matrix duplicate
S: matrix spike
SD: matrix spike duplicate
L: serial dilution
A: post digestion spike

Method Codes:

P: ICP PLASMA
CV: MERCURY COLD VAPOR AA
CA: MIDI-DISTILLATION SPECTROPHOTOMETRIC