1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-34-55

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-1B71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/12/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.2	J
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	5	B
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5	2	
1634-04-4	Methyl-tert-butyl ether	0.5	0.4	J
75-34-3	1,1-Dichloroethane	0.5	1	
156-59-2	cis-1,2-Dichloroethene	0.5	16	
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5	0.2	J
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	210	EB
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3	0.1	J
108-88-3	Toluene	0.5	0.7	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.5	JB
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.2	JB
108-38-3	m,p-Xylene	1	0.4	JB
95-47-6	o-Xylene	0.5	0.2	JB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-34-55

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-1B71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/12/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.6	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-34-55DL

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-1DA71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 16.7

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	8		U
75-01-4	Vinyl Chloride	8		U
74-83-9	Bromomethane	8		U
75-00-3	Chloroethane	8		U
75-35-4	1,1-Dichloroethene	8		U
75-15-0	Carbon disulfide	8		U
67-64-1	Acetone	42	92	DB
75-09-2	Methylene Chloride	8		U
156-60-5	trans-1,2-Dichloroethene	8	3	DJ
1634-04-4	Methyl-tert-butyl ether	8		U
75-34-3	1,1-Dichloroethane	8		U
156-59-2	cis-1,2-Dichloroethene	8	20	D
78-93-3	2-butanone	42		U
67-66-3	Chloroform	8		U
71-55-6	1,1,1-Trichloroethane	8		U
56-23-5	Carbon Tetrachloride	8		U
71-43-2	Benzene	8	0.9	DJ
107-06-2	1,2-Dichloroethane	8		U
79-01-6	Trichloroethene	8	270	D
78-87-5	1,2-Dichloropropane	8		U
75-27-4	Bromodichloromethane	8		U
10061-01-5	cis-1,3-Dichloropropene	8		U
108-10-1	4-Methyl-2-pentanone	42		U
108-88-3	Toluene	8	2	DJB
10061-02-6	trans-1,3-Dichloropropene	8		U
79-00-5	1,1,2-Trichloroethane	8		U
127-18-4	Tetrachloroethene	8	2	DJ
591-78-6	2-hexanone	42		U
124-48-1	Dibromochloromethane	8		U
108-90-7	Chlorobenzene	8	0.5	DJB
100-41-4	Ethylbenzene	8	0.8	DJB
108-38-3	m,p-Xylene	17	2	DJB
95-47-6	o-Xylene	8	0.7	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-34-55DL

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-1DA71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 16.7

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	8		U
75-25-2---------	Bromoform	8		U
79-34-5---------	1,1,2,2-Tetrachloroethane	8		U
1330-20-7-------	Xylene (total)	8	3	DJB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-25

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-15

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-15A61

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.3	J
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	6	B
75-09-2	Methylene Chloride	0.5	0.1	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.1	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	0.5	
156-59-2	cis-1,2-Dichloroethene	0.5	1	
78-93-3	2-butanone	3	7	B
67-66-3	Chloroform	0.5	6	
71-55-6	1,1,1-Trichloroethane	0.5	4	
56-23-5	Carbon Tetrachloride	0.5	0.3	J
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	66	E
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5	0.2	J
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.9	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	3	B
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.3	JB
108-38-3	m,p-Xylene	1	0.4	JB
95-47-6	o-Xylene	0.5	0.2	JB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-25

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-15

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-15A61

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.6	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-25DL

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-15

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-15DB73

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.2

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	2		U
75-01-4	Vinyl Chloride	2		U
74-83-9	Bromomethane	2		U
75-00-3	Chloroethane	2		U
75-35-4	1,1-Dichloroethene	2		U
75-15-0	Carbon disulfide	2		U
67-64-1	Acetone	10	11	DB
75-09-2	Methylene Chloride	2		U
156-60-5	trans-1,2-Dichloroethene	2		U
1634-04-4	Methyl-tert-butyl ether	2		U
75-34-3	1,1-Dichloroethane	2		U
156-59-2	cis-1,2-Dichloroethene	2	1	DJ
78-93-3	2-butanone	10		U
67-66-3	Chloroform	2	6	D
71-55-6	1,1,1-Trichloroethane	2	4	D
56-23-5	Carbon Tetrachloride	2		U
71-43-2	Benzene	2	0.3	DJ
107-06-2	1,2-Dichloroethane	2		U
79-01-6	Trichloroethene	2	66	D
78-87-5	1,2-Dichloropropane	2		U
75-27-4	Bromodichloromethane	2		U
10061-01-5	cis-1,3-Dichloropropene	2		U
108-10-1	4-Methyl-2-pentanone	10		U
108-88-3	Toluene	2	0.9	DJ
10061-02-6	trans-1,3-Dichloropropene	2		U
79-00-5	1,1,2-Trichloroethane	2		U
127-18-4	Tetrachloroethene	2	3	D
591-78-6	2-hexanone	10		U
124-48-1	Dibromochloromethane	2		U
108-90-7	Chlorobenzene	2		U
100-41-4	Ethylbenzene	2		U
108-38-3	m,p-Xylene	4	0.2	DJ
95-47-6	o-Xylene	2		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-25DL

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-15

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-15DB73

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 4.2

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	2		U
75-25-2---------	Bromoform	2		U
79-34-5---------	1,1,2,2-Tetrachloroethane	2		U
1330-20-7-------	Xylene (total)	2	0.3	DJ

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-30

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-14A61

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.09	J
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	6	B
75-09-2	Methylene Chloride	0.5	0.1	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.1	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	2	
156-59-2	cis-1,2-Dichloroethene	0.5	4	
78-93-3	2-butanone	3	8	B
67-66-3	Chloroform	0.5	2	
71-55-6	1,1,1-Trichloroethane	0.5	4	
56-23-5	Carbon Tetrachloride	0.5	0.08	J
71-43-2	Benzene	0.5	0.5	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	39	E
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.7	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.3	JB
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.1	JB
108-38-3	m,p-Xylene	1	0.2	JB
95-47-6	o-Xylene	0.5	0.1	JB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-30

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-14A61

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.4	JB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-30DL

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-14D2B73

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-15-0	Carbon disulfide	1		U
67-64-1	Acetone	6	8	DB
75-09-2	Methylene Chloride	1		U
156-60-5	trans-1,2-Dichloroethene	1		U
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1	2	D
156-59-2	cis-1,2-Dichloroethene	1	3	D
78-93-3	2-butanone	6		U
67-66-3	Chloroform	1	2	D
71-55-6	1,1,1-Trichloroethane	1	4	D
56-23-5	Carbon Tetrachloride	1		U
71-43-2	Benzene	1	0.4	DJ
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	33	D
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	6		U
108-88-3	Toluene	1	1	D
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	0.2	DJ
591-78-6	2-hexanone	6		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
108-38-3	m,p-Xylene	3		U
95-47-6	o-Xylene	1		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-30DL

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-14D2B73

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	1	0.4	DJ
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
1330-20-7	Xylene (total)	1		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-50

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-13

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-13A61

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.3	J
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	5	B
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5	0.4	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	4	
156-59-2	cis-1,2-Dichloroethene	0.5	7	
78-93-3	2-butanone	3	10	B
67-66-3	Chloroform	0.5	3	
71-55-6	1,1,1-Trichloroethane	0.5	18	
56-23-5	Carbon Tetrachloride	0.5	1	
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	200	E
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.9	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5	0.2	J
127-18-4	Tetrachloroethene	0.5	2	B
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.3	JB
108-38-3	m,p-Xylene	1	0.4	JB
95-47-6	o-Xylene	0.5	0.2	JB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-50

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-13

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-13A61

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.6	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-50DL

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-13

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-13DB73

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 12.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	6		U
75-01-4	Vinyl Chloride	6		U
74-83-9	Bromomethane	6		U
75-00-3	Chloroethane	6		U
75-35-4	1,1-Dichloroethene	6		U
75-15-0	Carbon disulfide	6		U
67-64-1	Acetone	31	27	DJB
75-09-2	Methylene Chloride	6		U
156-60-5	trans-1,2-Dichloroethene	6		U
1634-04-4	Methyl-tert-butyl ether	6		U
75-34-3	1,1-Dichloroethane	6	3	DJ
156-59-2	cis-1,2-Dichloroethene	6	6	D
78-93-3	2-butanone	31		U
67-66-3	Chloroform	6	3	DJ
71-55-6	1,1,1-Trichloroethane	6	18	D
56-23-5	Carbon Tetrachloride	6		U
71-43-2	Benzene	6	0.4	DJ
107-06-2	1,2-Dichloroethane	6		U
79-01-6	Trichloroethene	6	210	D
78-87-5	1,2-Dichloropropane	6		U
75-27-4	Bromodichloromethane	6		U
10061-01-5	cis-1,3-Dichloropropene	6		U
108-10-1	4-Methyl-2-pentanone	31		U
108-88-3	Toluene	6	2	DJ
10061-02-6	trans-1,3-Dichloropropene	6		U
79-00-5	1,1,2-Trichloroethane	6		U
127-18-4	Tetrachloroethene	6	2	DJ
591-78-6	2-hexanone	31		U
124-48-1	Dibromochloromethane	6		U
108-90-7	Chlorobenzene	6		U
100-41-4	Ethylbenzene	6		U
108-38-3	m,p-Xylene	13		U
95-47-6	o-Xylene	6		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-37-50DL

Project: ET03031 Date Sampled: 06/11/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-13

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-13DB73

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 12.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	6		U
75-25-2	Bromoform	6		U
79-34-5	1,1,2,2-Tetrachloroethane	6		U
1330-20-7	Xylene (total)	6		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-40-25

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-5B71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	4	B
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5	0.06	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	0.6	
156-59-2	cis-1,2-Dichloroethene	0.5	1	
78-93-3	2-butanone	3	4	B
67-66-3	Chloroform	0.5	4	
71-55-6	1,1,1-Trichloroethane	0.5	0.7	
56-23-5	Carbon Tetrachloride	0.5	0.3	J
71-43-2	Benzene	0.5	0.4	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	36	EB
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5	0.07	J
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.9	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5	0.09	J
127-18-4	Tetrachloroethene	0.5	0.3	JB
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.2	JB
108-38-3	m,p-Xylene	1	0.4	JB
95-47-6	o-Xylene	0.5	0.2	JB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-40-25

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-5B71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.6	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-40-25DL

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-5DA71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 2.7

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-15-0	Carbon disulfide	1	0.3	DJ
67-64-1	Acetone	7	13	DB
75-09-2	Methylene Chloride	1		U
156-60-5	trans-1,2-Dichloroethene	1		U
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1	1	DJ
156-59-2	cis-1,2-Dichloroethene	1	2	D
78-93-3	2-butanone	7	5	DJ
67-66-3	Chloroform	1	6	DB
71-55-6	1,1,1-Trichloroethane	1	1	D
56-23-5	Carbon Tetrachloride	1	0.4	DJ
71-43-2	Benzene	1	0.4	DJ
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	48	D
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	7		U
108-88-3	Toluene	1	1	DB
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	0.5	DJ
591-78-6	2-hexanone	7		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	0.5	DJB
108-38-3	m,p-Xylene	3	0.8	DJB
95-47-6	o-Xylene	1	0.3	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-40-25DL

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-5DA71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 2.7

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	1	0.1	DJ
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
1330-20-7	Xylene (total)	1	1	DB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-40-35

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-4B71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.2	J
67-64-1	Acetone	3	5	B
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5	0.1	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	1	
156-59-2	cis-1,2-Dichloroethene	0.5	2	
78-93-3	2-butanone	3	3	B
67-66-3	Chloroform	0.5	2	
71-55-6	1,1,1-Trichloroethane	0.5	1	
56-23-5	Carbon Tetrachloride	0.5	0.7	
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	48	EB
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3	0.1	J
108-88-3	Toluene	0.5	0.7	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5	0.1	J
127-18-4	Tetrachloroethene	0.5	0.2	JB
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.05	J
100-41-4	Ethylbenzene	0.5	0.2	JB
108-38-3	m,p-Xylene	1	0.4	JB
95-47-6	o-Xylene	0.5	0.1	JB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-40-35

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-4B71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.04	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.6	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-40-35DL

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-4DA71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 2.8

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1	0.3	DJ
75-15-0	Carbon disulfide	1	0.3	DJ
67-64-1	Acetone	7	16	DB
75-09-2	Methylene Chloride	1	0.3	DJB
156-60-5	trans-1,2-Dichloroethene	1	0.3	DJ
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1	2	D
156-59-2	cis-1,2-Dichloroethene	1	2	D
78-93-3	2-butanone	7	4	DJ
67-66-3	Chloroform	1	2	DB
71-55-6	1,1,1-Trichloroethane	1	2	D
56-23-5	Carbon Tetrachloride	1	1	DJ
71-43-2	Benzene	1	0.3	DJ
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	47	D
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	7		U
108-88-3	Toluene	1	0.7	DJB
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	0.6	DJ
591-78-6	2-hexanone	7		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	0.4	DJB
108-38-3	m,p-Xylene	3	0.7	DJB
95-47-6	o-Xylene	1	0.3	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-40-35DL

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-4DA71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 2.8

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	1	0.1	DJ
75-25-2---------	Bromoform	1		U
79-34-5---------	1,1,2,2-Tetrachloroethane	1		U
1330-20-7-------	Xylene (total)	1	1	DJB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK1

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-6B71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	3	JB
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	5	B
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	0.1	JB
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3	0.07	J
108-88-3	Toluene	0.5	0.5	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.04	JB
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.06	J
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK1

Project: ET03031 Date Sampled: 06/05/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-6B71

Level: (low/med) LOW Date Received: 06/10/03

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK2

Project: ET03031 Date Sampled: 05/09/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-16A61

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	3	JB
75-09-2	Methylene Chloride	0.5	0.1	JB
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	9	B
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.02	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	0.1	J
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.5	JB
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.06	JB
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.05	JB
108-38-3	m,p-Xylene	1	0.09	JB
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK2

Project: ET03031 Date Sampled: 05/09/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: U2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: U2974-16A61

Level: (low/med) LOW Date Received: 06/12/03

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.09	JB

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VLGLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24834-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24834-4RB71U

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/12/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	3	
75-01-4	Vinyl Chloride	0.5	3	
74-83-9	Bromomethane	0.5	4	
75-00-3	Chloroethane	0.5	4	
75-35-4	1,1-Dichloroethene	0.5	4	
75-15-0	Carbon disulfide	0.5	4	
67-64-1	Acetone	3	16	B
75-09-2	Methylene Chloride	0.5	4	
156-60-5	trans-1,2-Dichloroethene	0.5	4	
1634-04-4	Methyl-tert-butyl ether	0.5	4	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	18	B
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	5	
56-23-5	Carbon Tetrachloride	0.5	5	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	5	B
78-87-5	1,2-Dichloropropane	0.5	5	
75-27-4	Bromodichloromethane	0.5	6	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	16	
108-88-3	Toluene	0.5	4	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	5	B
591-78-6	2-hexanone	3	16	
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	4	B
108-38-3	m,p-Xylene	1	9	B
95-47-6	o-Xylene	0.5	4	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VLGLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24834-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24834-4RB71U

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/12/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	5	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7	Xylene (total)	0.5	14	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VKFLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24792-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24792-4A71U

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	4	
75-01-4	Vinyl Chloride	0.5	5	
74-83-9	Bromomethane	0.5	5	
75-00-3	Chloroethane	0.5	5	
75-35-4	1,1-Dichloroethene	0.5	5	
75-15-0	Carbon disulfide	0.5	5	
67-64-1	Acetone	3	27	B
75-09-2	Methylene Chloride	0.5	4	B
156-60-5	trans-1,2-Dichloroethene	0.5	5	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	22	
67-66-3	Chloroform	0.5	6	B
71-55-6	1,1,1-Trichloroethane	0.5	6	
56-23-5	Carbon Tetrachloride	0.5	6	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	6	
78-87-5	1,2-Dichloropropane	0.5	4	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	18	
108-88-3	Toluene	0.5	4	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	4	
127-18-4	Tetrachloroethene	0.5	5	
591-78-6	2-hexanone	3	19	
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	B
100-41-4	Ethylbenzene	0.5	5	B
108-38-3	m,p-Xylene	1	10	B
95-47-6	o-Xylene	0.5	5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VKFLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24792-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24792-4A71U

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	5	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	4	
1330-20-7	Xylene (total)	0.5	15	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VMKLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24885-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24885-4RA61

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	6	
75-01-4	Vinyl Chloride	0.5	7	
74-83-9	Bromomethane	0.5	4	
75-00-3	Chloroethane	0.5	6	
75-35-4	1,1-Dichloroethene	0.5	6	
75-15-0	Carbon disulfide	0.5	6	
67-64-1	Acetone	3	17	B
75-09-2	Methylene Chloride	0.5	5	B
156-60-5	trans-1,2-Dichloroethene	0.5	6	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	6	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	22	B
67-66-3	Chloroform	0.5	6	
71-55-6	1,1,1-Trichloroethane	0.5	6	
56-23-5	Carbon Tetrachloride	0.5	7	
71-43-2	Benzene	0.5	6	
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	6	
78-87-5	1,2-Dichloropropane	0.5	5	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	22	B
108-88-3	Toluene	0.5	6	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	6	B
591-78-6	2-hexanone	3	21	B
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	6	B
108-38-3	m,p-Xylene	1	11	B
95-47-6	o-Xylene	0.5	5	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VMKLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24885-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24885-4RA61

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	5	B
75-25-2	Bromoform	0.5	4	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7	Xylene (total)	0.5	17	B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VMBLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24879-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24879-4B73_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	4	
75-01-4	Vinyl Chloride	0.5	5	
74-83-9	Bromomethane	0.5	6	
75-00-3	Chloroethane	0.5	5	
75-35-4	1,1-Dichloroethene	0.5	5	
75-15-0	Carbon disulfide	0.5	4	
67-64-1	Acetone	3	13	B
75-09-2	Methylene Chloride	0.5	4	
156-60-5	trans-1,2-Dichloroethene	0.5	5	
1634-04-4	Methyl-tert-butyl ether	0.5	4	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	21	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	5	
56-23-5	Carbon Tetrachloride	0.5	5	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	6	
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5	5	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	24	
108-88-3	Toluene	0.5	5	
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	5	
591-78-6	2-hexanone	3	21	
124-48-1	Dibromochloromethane	0.5	6	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	5	
108-38-3	m,p-Xylene	1	10	
95-47-6	o-Xylene	0.5	5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VMBLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24879-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24879-4B73_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	5	
75-25-2	Bromoform	0.5	6	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	6	
1330-20-7	Xylene (total)	0.5	16	

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKLG	134	133	111	104	0
02	VLGLCS	108	106	85	90	0
03	M1P-34-55	103	116	112	98	0
04	M1P-34-40	105	127	112	99	0
05	M1P-34-15	120	127	117	104	0
06	M1P-40-35	116	129	121	106	0
07	M1P-40-25	124	131	117	103	0
08	TRIP BLANK1	110	130	114	99	0
09	VBLKKF	132	127	110	101	0
10	VKFLCS	127	124	108	95	0
11	M1P-34-40DL	131	125	104	98	0
12	M1P-34-15DL	135	128	106	98	0
13	M1P-40-35DL	124	131	105	98	0
14	M1P-40-25DL	134	131	113	102	0
15	M1P-34-55DL	120	138	106	100	0
16	VBLKMK	123	113	126	122	0
17	VMKLCS	116	108	117	121	0
18	M1P-33-35	118	105	123	121	0
19	M1P-33-25	125	124	114	112	0
20	M1P-33-15	125	125	120	112	0
21	M1P-30-35	131	130	118	115	0
22	M1P-30-15	123	129	117	119	0
23	M1P-37-50	130	131	111	112	0
24	M1P-37-30	123	124	118	121	0
25	M1P-37-25	128	128	113	114	0
26	TRIP BLANK2	123	123	108	109	0
27	VBLKMB	121	113	106	97	0
28	VMBLCS	115	110	107	90	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(65-150)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(59-150)
SMC3 (TOL)	= Toluene-d8	(61-145)
SMC4 (BFB)	= Bromofluorobenzene	(63-143)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	M1P-33-35DL	123	110	104	96	0
02	M1P-33-25DL	127	121	104	88	0
03	M1P-33-15DL	125	125	103	87	0
04	M1P-30-50	126	121	94	89	0
05	M1P-37-50DL	128	127	102	94	0
06	M1P-37-25DL	138	143	104	103	0
07	M1P-37-30DL	118	106	96	87	0
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(65-150)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(59-150)
SMC3 (TOL)	= Toluene-d8	(61-145)
SMC4 (BFB)	= Bromofluorobenzene	(63-143)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A
WATER VOLATILE LAB CONTROL SAMPLE

VLGLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	3.46	69	50-141
Vinyl Chloride	5.00	3.37	67	49-142
Bromomethane	5.00	3.77	75	54-150
Chloroethane	5.00	3.69	74	61-150
1,1-Dichloroethene	5.00	3.93	79	50-150
Carbon disulfide	5.00	3.66	73	50-150
Acetone	25.00	16.26	65	50-142
Methylene Chloride	5.00	4.34	87	50-149
trans-1,2-Dichloroethen	5.00	4.05	81	60-143
Methyl-tert-butyl ether	5.00	4.40	88	50-150
1,1-Dichloroethane	5.00	4.51	90	63-140
cis-1,2-Dichloroethene	5.00	5.20	104	58-148
2-butanone	25.00	17.74	71	50-150
Chloroform	5.00	5.19	104	57-146
1,1,1-Trichloroethane	5.00	4.65	93	58-150
Carbon Tetrachloride	5.00	4.53	91	50-150
Benzene	5.00	4.60	92	76-134
1,2-Dichloroethane	5.00	5.45	109	58-143
Trichloroethene	5.00	5.20	104	71-143
1,2-Dichloropropane	5.00	4.50	90	59-138
Bromodichloromethane	5.00	5.60	112	63-139
cis-1,3-Dichloropropene	5.00	4.87	97	56-142
4-Methyl-2-pentanone	25.00	16.04	64	50-145
Toluene	5.00	4.03	81	70-137
trans-1,3-Dichloroprope	5.00	4.67	93	61-135
1,1,2-Trichloroethane	5.00	4.71	94	60-133
Tetrachloroethene	5.00	4.95	99	59-150
2-hexanone	25.00	15.63	62	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VLGLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	5.49	110	69-136
Chlorobenzene	5.00	4.64	93	74-136
Ethylbenzene	5.00	4.29	86	63-136
Styrene	5.00	4.65	93	62-133
Bromoform	5.00	4.78	96	58-144
1,1,2,2-Tetrachloroetha	5.00	4.57	91	43-139
Xylene (total)	15.00	13.71	91	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VKFLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	4.35	87	50-141
Vinyl Chloride	5.00	5.21	104	49-142
Bromomethane	5.00	5.11	102	54-150
Chloroethane	5.00	5.00	100	61-150
1,1-Dichloroethene	5.00	4.90	98	50-150
Carbon disulfide	5.00	5.07	101	50-150
Acetone	25.00	27.01	108	50-142
Methylene Chloride	5.00	4.46	89	50-149
trans-1,2-Dichloroethen	5.00	5.11	102	60-143
Methyl-tert-butyl ether	5.00	4.64	93	50-150
1,1-Dichloroethane	5.00	5.00	100	63-140
cis-1,2-Dichloroethene	5.00	5.33	107	58-148
2-butanone	25.00	21.90	88	50-150
Chloroform	5.00	5.55	111	57-146
1,1,1-Trichloroethane	5.00	5.98	120	58-150
Carbon Tetrachloride	5.00	6.21	124	50-150
Benzene	5.00	4.80	96	76-134
1,2-Dichloroethane	5.00	5.39	108	58-143
Trichloroethene	5.00	5.51	110	71-143
1,2-Dichloropropane	5.00	4.49	90	59-138
Bromodichloromethane	5.00	5.40	108	63-139
cis-1,3-Dichloropropene	5.00	4.83	97	56-142
4-Methyl-2-pentanone	25.00	17.88	72	50-145
Toluene	5.00	4.37	87	70-137
trans-1,3-Dichloroprope	5.00	4.70	94	61-135
1,1,2-Trichloroethane	5.00	4.43	89	60-133
Tetrachloroethene	5.00	5.14	103	59-150
2-hexanone	25.00	18.95	76	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VKFLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	5.25	105	69-136
Chlorobenzene	5.00	4.81	96	74-136
Ethylbenzene	5.00	4.89	98	63-136
Styrene	5.00	4.88	98	62-133
Bromoform	5.00	4.88	98	58-144
1,1,2,2-Tetrachloroetha	5.00	3.91	78	43-139
Xylene (total)	15.00	15.22	101	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VMKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	5.74	115	50-141
Vinyl Chloride	5.00	6.50	130	49-142
Bromomethane	5.00	4.42	88	54-150
Chloroethane	5.00	6.13	123	61-150
1,1-Dichloroethene	5.00	5.55	111	50-150
Carbon disulfide	5.00	5.92	118	50-150
Acetone	25.00	16.90	68	50-142
Methylene Chloride	5.00	4.93	99	50-149
trans-1,2-Dichloroethen	5.00	5.54	111	60-143
Methyl-tert-butyl ether	5.00	4.90	98	50-150
1,1-Dichloroethane	5.00	5.68	114	63-140
cis-1,2-Dichloroethene	5.00	5.32	106	58-148
2-butanone	25.00	21.74	87	50-150
Chloroform	5.00	5.63	113	57-146
1,1,1-Trichloroethane	5.00	6.05	121	58-150
Carbon Tetrachloride	5.00	6.84	137	50-150
Benzene	5.00	5.53	111	76-134
1,2-Dichloroethane	5.00	5.20	104	58-143
Trichloroethene	5.00	5.87	117	71-143
1,2-Dichloropropane	5.00	5.40	108	59-138
Bromodichloromethane	5.00	5.37	107	63-139
cis-1,3-Dichloropropene	5.00	5.26	105	56-142
4-Methyl-2-pentanone	25.00	22.24	89	50-145
Toluene	5.00	5.55	111	70-137
trans-1,3-Dichloroprope	5.00	5.07	101	61-135
1,1,2-Trichloroethane	5.00	5.13	103	60-133
Tetrachloroethene	5.00	6.15	123	59-150
2-hexanone	25.00	20.93	84	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VMKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	5.08	102	69-136
Chlorobenzene	5.00	5.45	109	74-136
Ethylbenzene	5.00	5.74	115	63-136
Styrene	5.00	5.47	109	62-133
Bromoform	5.00	4.41	88	58-144
1,1,2,2-Tetrachloroetha	5.00	4.76	95	43-139
Xylene (total)	15.00	17.18	114	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VMBLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	4.03	81	50-141
Vinyl Chloride	5.00	4.54	91	49-142
Bromomethane	5.00	5.66	113	54-150
Chloroethane	5.00	4.77	95	61-150
1,1-Dichloroethene	5.00	4.53	91	50-150
Carbon disulfide	5.00	4.48	90	50-150
Acetone	25.00	13.27	53	50-142
Methylene Chloride	5.00	4.49	90	50-149
trans-1,2-Dichloroethen	5.00	4.71	94	60-143
Methyl-tert-butyl ether	5.00	4.14	83	50-150
1,1-Dichloroethane	5.00	5.02	100	63-140
cis-1,2-Dichloroethene	5.00	4.51	90	58-148
2-butanone	25.00	21.34	85	50-150
Chloroform	5.00	5.24	105	57-146
1,1,1-Trichloroethane	5.00	5.25	105	58-150
Carbon Tetrachloride	5.00	5.11	102	50-150
Benzene	5.00	4.73	95	76-134
1,2-Dichloroethane	5.00	5.62	112	58-143
Trichloroethene	5.00	5.03	101	71-143
1,2-Dichloropropane	5.00	5.20	104	59-138
Bromodichloromethane	5.00	5.34	107	63-139
cis-1,3-Dichloropropene	5.00	5.08	102	56-142
4-Methyl-2-pentanone	25.00	23.79	95	50-145
Toluene	5.00	4.52	90	70-137
trans-1,3-Dichloroprope	5.00	5.26	105	61-135
1,1,2-Trichloroethane	5.00	5.35	107	60-133
Tetrachloroethene	5.00	5.38	108	59-150
2-hexanone	25.00	21.20	85	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VMBLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	5.72	114	69-136
Chlorobenzene	5.00	5.02	100	74-136
Ethylbenzene	5.00	5.02	100	63-136
Styrene	5.00	5.21	104	62-133
Bromoform	5.00	6.00	120	58-144
1,1,2,2-Tetrachloroetha	5.00	5.84	117	43-139
Xylene (total)	15.00	15.74	105	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKLG

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Lab File ID: WG24834-1B71U Lab Sample ID: WG24834-1

Date Analyzed: 06/12/03 Time Analyzed: 2013

GC Column: SPB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP71

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VLGLCS	WG24834-4	WG24834-4RB7	2135
02	M1P-34-55	U2974-1	U2974-1B71	2349
03	M1P-34-40	U2974-2	U2974-2B71	0013
04	M1P-34-15	U2974-3	U2974-3B71	0038
05	M1P-40-35	U2974-4	U2974-4B71	0102
06	M1P-40-25	U2974-5	U2974-5B71	0127
07	TRIP BLANK1	U2974-6	U2974-6B71	0151
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COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKLG

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24834-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24834-1B71U

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/12/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	2	J
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	1	J
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	0.03	J
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.1	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.1	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.04	J
108-38-3	m,p-Xylene	1	0.1	J
95-47-6	o-Xylene	0.5	0.04	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKLG

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24834-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24834-1B71U

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/12/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.1	J

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKKF

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Lab File ID: WG24792-1R71U Lab Sample ID: WG24792-1

Date Analyzed: 06/13/03 Time Analyzed: 1241

GC Column: SPB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP71

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VKFLCS	WG24792-4	WG24792-4A71	1326
02	M1P-34-40DL	U2974-2	U2974-2DA71	1425
03	M1P-34-15DL	U2974-3	U2974-3DA71	1450
04	M1P-40-35DL	U2974-4	U2974-4DA71	1514
05	M1P-40-25DL	U2974-5	U2974-5DA71	1547
06	M1P-34-55DL	U2974-1	U2974-1DA71	1611
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COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKKF

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24792-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24792-1R71U

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	1	J
75-09-2	Methylene Chloride	0.5	0.2	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5	0.05	J
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.2	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.02	J
100-41-4	Ethylbenzene	0.5	0.04	J
108-38-3	m,p-Xylene	1	0.1	J
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKKF

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24792-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24792-1R71U

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/13/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	0.5		U
75-25-2---------	Bromoform	0.5		U
79-34-5---------	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7-------	Xylene (total)	0.5	0.1	J

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKMK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Lab File ID: WG24885-1A61 Lab Sample ID: WG24885-1

Date Analyzed: 06/16/03 Time Analyzed: 1258

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: 5973HP61

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VMKLCS	WG24885-4	WG24885-4RA6	1553
02	M1P-33-35	U2974-7	U2974-7A61	1633
03	M1P-33-25	U2974-8	U2974-8A61	1654
04	M1P-33-15	U2974-9	U2974-9A61	1715
05	M1P-30-35	U2974-11	U2974-11A61	1756
06	M1P-30-15	U2974-12	U2974-12A61	1816
07	M1P-37-50	U2974-13	U2974-13A61	1837
08	M1P-37-30	U2974-14	U2974-14A61	1857
09	M1P-37-25	U2974-15	U2974-15A61	1917
10	TRIP BLANK2	U2974-16	U2974-16A61	1937
11				
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COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMK

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24885-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24885-1A61

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	3	J
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	1	J
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3	0.2	J
108-88-3	Toluene	0.5	0.3	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.04	J
591-78-6	2-hexanone	3	0.4	J
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.04	J
108-38-3	m,p-Xylene	1	0.1	J
95-47-6	o-Xylene	0.5	0.05	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMK

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24885-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24885-1A61

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/16/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.04	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.2	J

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKMB

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Lab File ID: WG24879-1B73_TC3 Lab Sample ID: WG24879-1

Date Analyzed: 06/18/03 Time Analyzed: 0103

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP73

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VMBLCS	WG24879-4	WG24879-4B73	0140
02	M1P-33-35DL	U2974-7	U2974-7DB73	0213
03	M1P-33-25DL	U2974-8	U2974-8DB73	0239
04	M1P-33-15DL	U2974-9	U2974-9DB73	0306
05	M1P-30-50	U2974-10	U2974-10RB73	0333
06	M1P-37-50DL	U2974-13	U2974-13DB73	0359
07	M1P-37-25DL	U2974-15	U2974-15DB73	0453
08	M1P-37-30DL	U2974-14	U2974-14D2B7	0824
09				
10				
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COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMB

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24879-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24879-1B73_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	2	J
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5		U
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKMB

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: U2974

Matrix: (soil/water) WATER Lab Sample ID: WG24879-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24879-1B73_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/18/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	0.5		U
75-25-2---------	Bromoform	0.5		U
79-34-5---------	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7-------	Xylene (total)	0.5		U

COMPUCHEM
a division of Liberty Analytical Corp.

May 23, 2003

Earth Tech
CHRYSLER
36133 Schoolcraft Road
Attn: Justin Kelley
Livonia, MI 48150

11 VOAs
on time

Subject:
Report of Data – Project: ET03031 Quote #: Q2974 SDG #: T2974

Attn.: Earth Tech

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

501 Madison Avenue ■ Cary, N.C. 27513 ■ Tel: 919-379-4100 ■ Fax. 919-379-4050

SAMPLENUM	CLIENTID	QUOTENUMREF	LOGINNUM	MATNUM	ACCTNUM	PROJECTNUM	RECEIVEDATE
T2974-3	M1P-22-30	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-4	M1P-22-30DUP	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-1	M1P-22-55	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-2	M1P-22-55DUP	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-10	M1P-23-28	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-9	M1P-23-36	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-8	M1P-23-46	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-7	M1P-61-40	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-6	M1P-61-60	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-5	M1P-61-75	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03
T2974-11	TRIPBLANK	Q2974	T2974	WA	CHRYSLER	ET03031	5/17/03

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #T2974

SAMPLE IDENTIFICATIONS: M1P-22-55(DL) M1P-22-55DUP(DL) M1P-22-30 M1P-22-30DUP M1P-61-75 M1P-61-60 M1P-61-40 M1P-23-46 M1P-23-36 M1P-23-28 TRIPBLANK

The eleven water samples listed above were received at 2.1 degrees C, with proper documentation, in sealed shipping containers, on May 17, 2003. All samples were submitted for volatile only analysis, and were prepared and analyzed following SW846 Method 8260B. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # T2974 are included in the sample data sections.
Analysis holding time requirements were met for all of these samples, and sample pH values were all greater than 2.0.

The volatile target analytes acetone, 1,1-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, 2-butanone, chloroform, 1,1,1-trichloroethane, benzene, toluene, xylenes, trichloroethene, and tetrachloroethene were the most frequently identified above the reporting limits in the submitted samples.

Based on screen data, samples M1P-22-30, M1P-22-30DUP, M1P-61-75, M1P-61-60, and M1P-23-36 were initially analyzed at dilutions, and for these samples we have only reported the one diluted run Based on the historical trend of these samples M1P-22-45, and M1P-22-55DUP were initially analyzed at dilutions, and trichloroethene exceeded calibration limits. These samples were reanalyzed at appropriately higher dilutions, and for these samples we have reported two diluted analyses. The screen Reconstructed Ion Chromatograms(RICs) for the above mentioned samples are included in the sample data package immediately following the RIC for the sample's reportable run.

No instrument blank separated the analyses of concurrently analyzed samples M1P-22-55, and M1P-22-55DUP both of which contained trichloroethene at levels outside of calibration limits. Due to the fact that we are providing diluted reanalyses of both of these samples with all analytes within calibration limits, we are reporting the data with reference to this qualifier.
The one reported diluted analyses samples of M1P-22-30DUP, and M1P-61-75 contained trichloroethene respectively at 309 and 289 ng on column which is slightly below the mid-point of the calibration at 312 ng. The laboratory interprets these results to be within the precison of the method, and the samples were not reanalyzed at a lesser dilution

There is no Form VII in the deliverables package for the tune batch analyzed on instument 73(05/19/03), associated with the corresponding BFB injected at 01:53. This tune batch included an initial calibration sequence and the relavent relative response factors are all displayed on the Form VI. The initial calibration met all acceptance criteria, and as required by SW-846, the mean relative response factors from the initial calibration standards could therefore be used to quantitate target analytes in the samples analyzed within that 12-hour tune batch. The initial calibration curve for each target analyte is required to be verified once every 12 hours "after" the tune batch during which the initial calibration sequence was run In this situation, a calibration verification standard and it's associated Form VII are not required.

No Tentatively Identified Compounds (TICs) were searched at the request of the client.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples, and all of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all QC criteria, and did not contain any target analytes above the reporting limits.
No matrix spikes were generated per client request, however the associated Laboratory Control Samples (LCSs) met all accuracy criteria.

Manual Quantitations were performed on some of the process files in the asssociated initial and continuing calibrations. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package, and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Roy Sutton
Case Reviewer
May 23, 2003

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a Division of Liberty Analytical Corp

GC/MS VOA Batch Sheet - Water

IP 250/460/462/475/480B/483

Method W8260B-25ml Chysler

Batch # _____ 3

SAMPLENUM	CLIENTID	LOGINNUM	pH	Time	Date	INST #	Operator	H/T	Volume	Bottle #	Report	Comments
T2974-1	M1P-22-55	T2974	7	1205	5-20-03	73	2537		8ml	1	DI	TCE @ 78
T2974-2	M1P-22-55DUP	T2974	7	1230					10ml	1	DI	@ 28.18
T2974-3	M1P-22-30	T2974	7	1443	5-21-03			500ml		1	✓	
T2974-4	M1P-22-30DUP	T2974	7	1510				500ml		1	✓	
T2974-5	M1P-61-75	T2974	7	1537	5-21-03	73	2537			1	✓	
T2974-6	M1P-61-60	T2974	7	1600				5ml		1	✓	
T2974-7	M1P-61-40	T2974	7	1630				25ml		1	✓	
T2974-8	M1P-23-46	T2974	7	1657				25ml		1	✓	
T2974-9	M1P-23-36	T2974	7	1724					5ml	1	DI	TCE @ 9
T2974-10	M1P-23-28	T2974	7	1750					25ml	1	✓	
T2974-11	TRIPBLANK	T2974	7	1323					25ml	1	CK ✓	2-Butanone @ 3.14 LAST of sample
WG24398-1	VBLKWN		—	1425	5-20	73	2513		25ml	1	✓	
WG24398-2	VBLKWO											
WG24398-3	VBLKWP											
WG24398-4	VWNLCS		—		5-20	73	2513		25ml		SF	0<75
WG24398-5	VWOLCS											
WG24398-6	VWPLCS											
T2971-1-1D				1350	5-21-03						✓	
-2D				1417				400ml			✓	
9D			7	0603	5-22-03	73	2513		9ml	2	OT	LCS failed for Chrysler
9.02			7	1400	5-22-03	73	2537		9ml	3	✓	

screened on #5537 5/19/03 @ 1500ml

5/23/03

HT 1-4 5/29
5-10 5/30
11 5/28

Due: 5-23

TCL 3CT, MTBE

6/27/01 rmh

Did same full spike

COMPUCHEM

Work Group Report (wk02)

19-MAY-03 11:04 AM

Work Group: WG24398

Department: 435 MS/VOA ANALYSIS **Created:** 19-MAY-03

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
T2974-1	M1P-22-55	VOA-8260B-25ML	Water	17-MAY-03		
T2974-10	M1P-23-28	VOA-8260B-25ML	Water	17-MAY-03		
T2974-11	TRIPBLANK	VOA-8260B-25ML	Water	17-MAY-03		
T2974-2	M1P-22-55DUP	VOA-8260B-25ML	Water	17-MAY-03		
T2974-3	M1P-22-30	VOA-8260B-25ML	Water	17-MAY-03		
T2974-4	M1P-22-30DUP	VOA-8260B-25ML	Water	17-MAY-03		
T2974-5	M1P-61-75	VOA-8260B-25ML	Water	17-MAY-03		
T2974-6	M1P-61-60	VOA-8260B-25ML	Water	17-MAY-03		
T2974-7	M1P-61-40	VOA-8260B-25ML	Water	17-MAY-03		
T2974-8	M1P-23-46	VOA-8260B-25ML	Water	17-MAY-03		
T2974-9	M1P-23-36	VOA-8260B-25ML	Water	17-MAY-03		
WG24398-1	VBLKWN	VOA-8260B-25ML	Water	19-MAY-03		
WG24398-2	VBLKWO	VOA-8260B-25ML	Water	19-MAY-03		
WG24398-3	VBLKWP	VOA-8260B-25ML	Water	19-MAY-03		
WG24398-4	VWNLCS	VOA-8260B-25ML	Water	19-MAY-03		
WG24398-5	VWOLCS	VOA-8260B-25ML	Water	19-MAY-03		
WG24398-6	VWPLCS	VOA-8260B-25ML	Water	19-MAY-03		

Comments

T2974-1	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-10	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-11	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-2	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-3	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-4	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-5	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-6	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-7	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-8	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
T2974-9	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY

Internal Chain of Custody

Relinquished By	Date	Received By	Date	Reason
	5-20-03		1410	
	1		1423	
	5-21-03		1200	
	1		1230	
	5-21		1210	
	5-21		13:11	
	5-22-03		1300	
	1		1330	

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
GC Laboratory				
Restek	RTX-1701	0.53	0.5	30
J & W	DB-608	0.53	0.83	30
Restek	CLPesticides	0.53	0.5	30
Restek	CLPesticides II	0.53	0.42	30
GC Volatiles Laboratory				
Restek	RTX-1	0.53	0.5	105
Restek	RTX-502.2	0.53	0.5	105
GC/MS Volatiles Laboratory				
J & W	DB-624	0.53	3.0	30/75
J & W	DB-624	0.25	1.4	60
J & W	DB-624	0.32	1.8	60
Restek	RTX-624	0.32	1.8	60
Restek	RTX-VMS*	0.18	1.0	20
Supelco	SPB-624	0.32	1.4	60
Supelco	Equity™-624	0.53	3.0	75
Zebron	ZB-624	0.32	1.8	60
GC/MS Semivolatiles Laboratory				
Restek	RTX-5MS	0.25	0.25	30
Restek	RTX-5MS	0.32	0.25	30
HPLC Laboratory				
Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
Restek	Pinnacle Cyano	4.6	5.0	25 cm
Restek	Allure C18	4.6	5.0	25 cm

*Note: The RTX-VMS column is currently not used for EPA CLP analyses.

TRAPS

GC and GC/MS Volatiles Laboratory	
Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating) * 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons) * 6 cm of Carboxen 1000 (Carbon molecular sieves) * 1 cm of Carboxen 1001 (Carbon molecular sieves)

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 manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations 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 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 a 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 documents require 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

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. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

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.

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client: Chrysler/Earth Tech
Project: Dayton Thermal
Quote: 82974
Login No. 82974
Subcontract? Y / N
TAT Verbal _____ Report 6 days

Rec'd Date: 5/17/03
Courier: FED-EX
Airbill No. 831886815838

PPS/RFA ET03031

Lab Instructions
VOC 8260B C-list = TCL3CT + MTBE. sub

Cooler Rec'd By: [signature]
Sample Login By: [signature]
Temperature: 2.1 °C
Cyanide Samples checked for sulfide & chlorine? Y / NA
Phenol Samples checked for chlorine? Y / NA
Received in Good Condition? Y / N
If no, explain:

Parameters: VOC 8260B

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	No. & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No. & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH
82974-1	MIP-28-60		H_2O	5/14	09:05	3-40ml															
-2	MIP-28-40				09:45																
-3	MIP-28-20				10:00																
-4	MIP-42-60				11:20																
-5	MIP-42-45				11:55																
-6	MIP-42-25				13:45																
-7	MIP-54-55				16:45																
-8	MIP-54-40				17:05																
-9	MIP-54-25				17:20																
-10	MIP-13-70				18:40																
-11	MIP-13-50				19:00																
-12	MIP-13-25				19:15																
-13	MIP-60-60			5/15	09:30																
-14	MIP-60-45				10:15																
-15	MIP-60-25				11:00																
-16	MIP-66-70				13:00																
-17	MIP-66-55				13:40																
-18	MIP-66-25				14:15																
-19	MIP-22-69				16:45																
-20	MIP-22-69DUP				16:45																

Container Type Abbreviations 40ml(40ml vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client: Chrysler/ET	Rec'd Date: 5/17/03	PPS/RFA ET03031
Project: Dayton Thermal	Courier: Fed-Ex	Lab Instructions
Quote: 62974	Airbill No.	
Login No. 62974	Del 8 of 2	
Subcontract? Y / N		
TAT Verbal Report 6 days		

Cooler Rec'd By:	
Sample Login By:	
Temperature: 2.1 °C	
Cyanide Samples checked for sulfide & chlorine? Y / NA	
Phenol Samples checked for chlorine? Y / NA	
Received in Good Condition? Y / N	
If no, explain:	

Parameters

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	No. & Type (VOC 8260B)	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH
62974-1	MIP-22-55		H_2O	5/15	17:10	3-40ml															
-2	MIP-22-55DUP				17:10																
-3	MIP-22-30				17:30																
-4	MIP-22-30DUP				17:30																
-5	MIP-61-75			5/16	09:45																
-6	MIP-61-60				10:10																
-7	MIP-61-40				10:30																
-8	MIP-23-46				13:30																
-9	MIP-23-36				13:50																
-10	MIP-23-28				14:15																
-11	TRIPBLANK			5/14	—	1-40ml															

5/17/03

Container Type Abbreviations 40mL(40mL vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

DAIMLERCHRYSLER

Chain-of-Custody

№ 00318 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stamerudo	Consultant: Earth Tech Address: 4135 Technology PKWY Sheboygan, WI. 53083. Consultant PM: Rob Stenson Phone: 920-457-2407 Fax: 920-458-0550	

Turn-around Time Request: (circle)
24 calendar hrs
48 calendar hrs
7 calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs								Remarks
MIP-28-60	5/14/03	905	G	GW	3	X								1-40ml vial w/ larger than pea-size airb
MIP-28-40		945				X								1-40ml vial w/ larger than pea-size "
MIP-28-20		1000				X								2-40ml vials w/ pea-size airbubble
MIP-42-60		1120				X								all 3-40ml w/ ½ sediment & "large" airbub
MIP-42-45		1155				X								all 3-40ml w/ pea-size airbubbles
MIP-42-25		1345				X								1-40ml w/ pea-size airbubble
MIP-54-55		1645				X								1-40ml w/ pea-size airbubble, 2-40ml > pea-size
MIP-54-40		1705				X								3-40ml w/ pea-size airbubble
MIP-54-25		1720				X								3-40ml w/ > pea-size airbubbles
MIP-13-70		1840				X								3-40ml w/ > pea-size airbubbles

Sampler(s): D December	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2/ C
	Relinquished by: D. December	Date: 5/16/03	Time: 1445	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes (No)	Relinquished by:	Date:	Time:	Received for Laboratory by: [signature]	Date: 5/17/03	Time: 1045	Custody Seal Intact? (Yes) No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00311 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number (919) 379-4100 Fax Number (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: FT 03031 DaimlerChrysler PM: Gary Stamczuk	Consultant: EarthTech Address: 4135 Technology Pkwy Sheboygan, WI. 53083 Consultant PM: Rob Stenson Phone: 920-451-2407 Fax: 920-458 0550	

Turn-around Time Request: (circle)
24 calendar hrs
48 calendar hrs.
7 calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MIP-13-50	5/14/03	1400	G	GW	3	X									3-40ml w/ pea-size airbubbles
MIP-13-25	5/14/03	1915	G	GW	3	X									3-40ml w/ > pea-size airbubbles
MIP-60-60	5/15/03	930				X									2-40ml w/ pea-size airbubbles; 1-40ml > pea-
MIP-60-45		1015				X									OK
MIP-60-25		1100				X									OK
MIP-66-70		1300				X									3-40ml w/ > pea-size airbubbles ½ sediment
MIP-66-55		1340				X									2-40ml w/ pea-size airbubbles
MIP-66-25		1415				X									OK
MIP-22-69		1645				X									3-40ml w/ > pea-size airbubbles ½ sediment
MIP-22-69 dup		1645				X									3-40ml w/ > pea-size airbubbles ½ sediment

Sampler(s)	Cooler ID #			Samples Relinquished under Airbill No			Temperature (corrected) 21 C
D. December	Relinquished by: D. December	Date: 5/16/03	Time: 1445	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: Cathy Dove	Date: 5/17/03	Time: 1045	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00312 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number: (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczak	Consultant: Earth Tech Address: 4135 Technology PKWY Sheboygan, WI. 53083 Consultant PM: Rob Stanson Phone: 920-451-2407 Fax: 920-458-0550

Turn-around Time Request: (circle)
- 24 calendar hrs.
- 48 calendar hrs.
- 7 calendar days
- 14 calendar days

Data Package Deliverables: (circle)
- DaimlerChrysler Level 1
- DaimlerChrysler Level 2
- CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

*rec'd trip blank w/ smaller than pea-size air
5/17/03

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs								Remarks
MIP-22-55	5/15/03	1710	G	GW	3	X								3-40ml w/ > pea-size airbubbles
MIP-22-55 dup	5/15/03	1710				X								1-40ml w/ > pea-size; 2-40ml w/ pea
MIP-22-30	5/15/03	1730				X								OK
MIP-22-30 dup	5/15/03	1730				X								3-40ml w/ < pea-size airbubbles
MIP-61-75	5/16/03	945				X								½ sediment; 3-40ml w/ > pea-size
MIP-61-60	5/16/03	1010				X								3-40ml w/ > pea-size airbubbles
MIP-61-40		1030				X								OK
MIP-23-46		1330				X								1-40ml w/ ≥ pea-size; 2-40ml w/ pea
MIP-23-36		1350				X								3-40ml w/ pea-size
MIP-23-28		1415				X								*+ Trip Blank & Temp Blank

Sampler(s): D. December	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 20.1c
	Relinquished by: D. December	Date: 5/16/03	Time: 1445	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by:	Date: 5/17/03	Time: 1045	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy - Data package; Yellow - Retained by laboratory; Pink - Retained by sampler

Revision No 3
Created July 9, 1999

COMPUCHEM

Login Chain of Custody Report (In01)

May. 17, 2003 *12:04 PM*

Login Number: S2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
S2974-1	M1P-28-60	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-2	M1P-28-40	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold 28-MAY-03	40ml vial	3	Bottles	
S2974-3	M1P-28-20	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-4	M1P-42-60	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-5	M1P-42-45	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-6	M1P-42-25	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-7	M1P-54-55	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-8	M1P-54-40	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-9	M1P-54-25	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	

Signature : _____

Date : 5/17/03

COMPUCHEM

Login Chain of Custody Report (In01)

May. 17, 2003 *12:04 PM*

Login Number: S2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
S2974-10	M1P-13-70	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold. 28-MAY-03	40ml vial	3 Bottles			
S2974-11	M1P-13-50	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3 Bottles			
S2974-12	M1P-13-25	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3 Bottles			
S2974-13	M1P-60-60	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold. 29-MAY-03	40ml vial	3 Bottles			
S2974-14	M1P-60-45	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold· 29-MAY-03	40ml vial	3 Bottles			
S2974-15	M1P-60-25	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3 Bottles			
S2974-16	M1P-66-70	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold. 29-MAY-03	40ml vial	3 Bottles			
S2974-17	M1P-66-55	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3 Bottles			
S2974-18	M1P-66-25	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3 Bottles			

Signature : Cathy Dore

Date : 5/17/03

COMPUCHEM

Login Chain of Custody Report (ln01)

May. 17, 2003 *12 04 PM*

Login Number: S2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
S2974-19	M1P-22-69	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles		
S2974-20	M1P-22-69DUP	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles		

Signature : _____

Date : 5/17/03

COMPUCHEM

Login Chain of Custody Report (ln01)

May. 17, 2003 *12.09 PM*

Login Number: T2974

Account: CHRYSLER — Chrysler

Project: ET03031 — Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
T2974-1	M1P-22-55	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
T2974-2	M1P-22-55DUP	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
T2974-3	M1P-22-30	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold. 29-MAY-03	40ml vial	3	Bottles	
T2974-4	M1P-22-30DUP	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
T2974-5	M1P-61-75	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-6	M1P-61-60	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-7	M1P-61-40	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-8	M1P-23-46	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-9	M1P-23-36	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	

Signature : _____

Date : 5/17/03

17

COMPUCHEM

Login Chain of Custody Report (In01)

May. 17, 2003 *12.09 PM*

Login Number: T2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
T2974-10	M1P-23-28	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML		Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-11	TRIPBLANK	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML		Hold: 28-MAY-03	40ml vial	1	Bottles	

Signature : Cathy Dory

Date : 5/17/03

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-30

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-3A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 50.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	25		U
75-01-4	Vinyl Chloride	25		U
74-83-9	Bromomethane	25		U
75-00-3	Chloroethane	25		U
75-35-4	1,1-Dichloroethene	25		U
75-15-0	Carbon disulfide	25		U
67-64-1	Acetone	130	67	JB
75-09-2	Methylene Chloride	25	9	JB
156-60-5	trans-1,2-Dichloroethene	25		U
1634-04-4	Methyl-tert-butyl ether	25		U
75-34-3	1,1-Dichloroethane	25		U
156-59-2	cis-1,2-Dichloroethene	25	4	J
78-93-3	2-butanone	130		U
67-66-3	Chloroform	25		U
71-55-6	1,1,1-Trichloroethane	25		U
56-23-5	Carbon Tetrachloride	25		U
71-43-2	Benzene	25	2	JB
107-06-2	1,2-Dichloroethane	25		U
79-01-6	Trichloroethene	25	730	
78-87-5	1,2-Dichloropropane	25		U
75-27-4	Bromodichloromethane	25		U
10061-01-5	cis-1,3-Dichloropropene	25		U
108-10-1	4-Methyl-2-pentanone	130		U
108-88-3	Toluene	25	3	JB
10061-02-6	trans-1,3-Dichloropropene	25		U
79-00-5	1,1,2-Trichloroethane	25		U
127-18-4	Tetrachloroethene	25	4	J
591-78-6	2-hexanone	130		U
124-48-1	Dibromochloromethane	25		U
108-90-7	Chlorobenzene	25		U
100-41-4	Ethylbenzene	25		U
108-38-3	m,p-Xylene	50		U
95-47-6	o-Xylene	25		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-30

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-3A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 50.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	25		U
75-25-2	Bromoform	25		U
79-34-5	1,1,2,2-Tetrachloroethane	25		U
1330-20-7	Xylene (total)	25		U

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-30DUP

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-4A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 50.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	25		U
75-01-4	Vinyl Chloride	25		U
74-83-9	Bromomethane	25		U
75-00-3	Chloroethane	25		U
75-35-4	1,1-Dichloroethene	25		U
75-15-0	Carbon disulfide	25		U
67-64-1	Acetone	130	76	JB
75-09-2	Methylene Chloride	25	7	JB
156-60-5	trans-1,2-Dichloroethene	25		U
1634-04-4	Methyl-tert-butyl ether	25		U
75-34-3	1,1-Dichloroethane	25		U
156-59-2	cis-1,2-Dichloroethene	25	3	J
78-93-3	2-butanone	130		U
67-66-3	Chloroform	25	1	J
71-55-6	1,1,1-Trichloroethane	25		U
56-23-5	Carbon Tetrachloride	25		U
71-43-2	Benzene	25	1	JB
107-06-2	1,2-Dichloroethane	25		U
79-01-6	Trichloroethene	25	620	
78-87-5	1,2-Dichloropropane	25		U
75-27-4	Bromodichloromethane	25		U
10061-01-5	cis-1,3-Dichloropropene	25		U
108-10-1	4-Methyl-2-pentanone	130		U
108-88-3	Toluene	25	3	JB
10061-02-6	trans-1,3-Dichloropropene	25		U
79-00-5	1,1,2-Trichloroethane	25		U
127-18-4	Tetrachloroethene	25	3	J
591-78-6	2-hexanone	130		U
124-48-1	Dibromochloromethane	25		U
108-90-7	Chlorobenzene	25		U
100-41-4	Ethylbenzene	25		U
108-38-3	m,p-Xylene	50		U
95-47-6	o-Xylene	25		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-30DUP

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-4A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 50.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	25		U
75-25-2	Bromoform	25		U
79-34-5	1,1,2,2-Tetrachloroethane	25		U
1330-20-7	Xylene (total)	25		U

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-55

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-1C73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	4		U
75-01-4	Vinyl Chloride	4		U
74-83-9	Bromomethane	4		U
75-00-3	Chloroethane	4		U
75-35-4	1,1-Dichloroethene	4	1	J
75-15-0	Carbon disulfide	4		U
67-64-1	Acetone	21	18	JB
75-09-2	Methylene Chloride	4	0.9	JB
156-60-5	trans-1,2-Dichloroethene	4	0.6	J
1634-04-4	Methyl-tert-butyl ether	4		U
75-34-3	1,1-Dichloroethane	4	2	J
156-59-2	cis-1,2-Dichloroethene	4	4	J
78-93-3	2-butanone	21		U
67-66-3	Chloroform	4	0.9	J
71-55-6	1,1,1-Trichloroethane	4		U
56-23-5	Carbon Tetrachloride	4		U
71-43-2	Benzene	4	0.8	JB
107-06-2	1,2-Dichloroethane	4		U
79-01-6	Trichloroethene	4	650	E
78-87-5	1,2-Dichloropropane	4		U
75-27-4	Bromodichloromethane	4		U
10061-01-5	cis-1,3-Dichloropropene	4		U
108-10-1	4-Methyl-2-pentanone	21		U
108-88-3	Toluene	4	2	JB
10061-02-6	trans-1,3-Dichloropropene	4		U
79-00-5	1,1,2-Trichloroethane	4		U
127-18-4	Tetrachloroethene	4	0.7	J
591-78-6	2-hexanone	21		U
124-48-1	Dibromochloromethane	4		U
108-90-7	Chlorobenzene	4		U
100-41-4	Ethylbenzene	4	0.3	J
108-38-3	m,p-Xylene	8	0.8	J
95-47-6	o-Xylene	4	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-55

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-1C73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	4		U
75-25-2---------	Bromoform	4		U
79-34-5---------	1,1,2,2-Tetrachloroethane	4		U
1330-20-7-------	Xylene (total)	4	1	J

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-55DL

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-1DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 50.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	25		U
75-01-4	Vinyl Chloride	25		U
74-83-9	Bromomethane	25		U
75-00-3	Chloroethane	25		U
75-35-4	1,1-Dichloroethene	25	4	DJ
75-15-0	Carbon disulfide	25		U
67-64-1	Acetone	130	59	DJB
75-09-2	Methylene Chloride	25	8	DJB
156-60-5	trans-1,2-Dichloroethene	25		U
1634-04-4	Methyl-tert-butyl ether	25		U
75-34-3	1,1-Dichloroethane	25		U
156-59-2	cis-1,2-Dichloroethene	25	5	DJ
78-93-3	2-butanone	130		U
67-66-3	Chloroform	25		U
71-55-6	1,1,1-Trichloroethane	25	4	DJ
56-23-5	Carbon Tetrachloride	25		U
71-43-2	Benzene	25	2	DJB
107-06-2	1,2-Dichloroethane	25		U
79-01-6	Trichloroethene	25	820	D
78-87-5	1,2-Dichloropropane	25		U
75-27-4	Bromodichloromethane	25		U
10061-01-5	cis-1,3-Dichloropropene	25		U
108-10-1	4-Methyl-2-pentanone	130		U
108-88-3	Toluene	25	3	DJB
10061-02-6	trans-1,3-Dichloropropene	25		U
79-00-5	1,1,2-Trichloroethane	25		U
127-18-4	Tetrachloroethene	25		U
591-78-6	2-hexanone	130		U
124-48-1	Dibromochloromethane	25		U
108-90-7	Chlorobenzene	25		U
100-41-4	Ethylbenzene	25		U
108-38-3	m,p-Xylene	50		U
95-47-6	o-Xylene	25		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-55DL

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-1DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 50.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	25		U
75-25-2	Bromoform	25		U
79-34-5	1,1,2,2-Tetrachloroethane	25		U
1330-20-7	Xylene (total)	25		U

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-55DUP

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-2C73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 25.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	13		U
75-01-4	Vinyl Chloride	13		U
74-83-9	Bromomethane	13		U
75-00-3	Chloroethane	13		U
75-35-4	1,1-Dichloroethene	13	2	J
75-15-0	Carbon disulfide	13		U
67-64-1	Acetone	63	49	JB
75-09-2	Methylene Chloride	13	3	JB
156-60-5	trans-1,2-Dichloroethene	13	1	J
1634-04-4	Methyl-tert-butyl ether	13		U
75-34-3	1,1-Dichloroethane	13		U
156-59-2	cis-1,2-Dichloroethene	13	4	J
78-93-3	2-butanone	63		U
67-66-3	Chloroform	13	1	J
71-55-6	1,1,1-Trichloroethane	13		U
56-23-5	Carbon Tetrachloride	13		U
71-43-2	Benzene	13	1	JB
107-06-2	1,2-Dichloroethane	13		U
79-01-6	Trichloroethene	13	700	E
78-87-5	1,2-Dichloropropane	13		U
75-27-4	Bromodichloromethane	13		U
10061-01-5	cis-1,3-Dichloropropene	13		U
108-10-1	4-Methyl-2-pentanone	63		U
108-88-3	Toluene	13	3	JB
10061-02-6	trans-1,3-Dichloropropene	13		U
79-00-5	1,1,2-Trichloroethane	13		U
127-18-4	Tetrachloroethene	13	1	J
591-78-6	2-hexanone	63		U
124-48-1	Dibromochloromethane	13		U
108-90-7	Chlorobenzene	13		U
100-41-4	Ethylbenzene	13		U
108-38-3	m,p-Xylene	25	2	J
95-47-6	o-Xylene	13		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-55DUP

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-2C73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 25.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	13		U
75-25-2	Bromoform	13		U
79-34-5	1,1,2,2-Tetrachloroethane	13		U
1330-20-7	Xylene (total)	13	2	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-55DUPDL

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-2DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 62.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	31		U
75-01-4	Vinyl Chloride	31		U
74-83-9	Bromomethane	31		U
75-00-3	Chloroethane	31		U
75-35-4	1,1-Dichloroethene	31	6	DJ
75-15-0	Carbon disulfide	31		U
67-64-1	Acetone	160	99	DJB
75-09-2	Methylene Chloride	31	11	DJB
156-60-5	trans-1,2-Dichloroethene	31		U
1634-04-4	Methyl-tert-butyl ether	31		U
75-34-3	1,1-Dichloroethane	31		U
156-59-2	cis-1,2-Dichloroethene	31	5	DJ
78-93-3	2-butanone	160		U
67-66-3	Chloroform	31		U
71-55-6	1,1,1-Trichloroethane	31	4	DJ
56-23-5	Carbon Tetrachloride	31		U
71-43-2	Benzene	31	2	DJB
107-06-2	1,2-Dichloroethane	31		U
79-01-6	Trichloroethene	31	820	D
78-87-5	1,2-Dichloropropane	31		U
75-27-4	Bromodichloromethane	31		U
10061-01-5	cis-1,3-Dichloropropene	31		U
108-10-1	4-Methyl-2-pentanone	160		U
108-88-3	Toluene	31	5	DJB
10061-02-6	trans-1,3-Dichloropropene	31		U
79-00-5	1,1,2-Trichloroethane	31		U
127-18-4	Tetrachloroethene	31		U
591-78-6	2-hexanone	160		U
124-48-1	Dibromochloromethane	31		U
108-90-7	Chlorobenzene	31		U
100-41-4	Ethylbenzene	31		U
108-38-3	m,p-Xylene	63		U
95-47-6	o-Xylene	31		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-55DUPDL

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-2DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 62.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	31		U
75-25-2	Bromoform	31		U
79-34-5	1,1,2,2-Tetrachloroethane	31		U
1330-20-7	Xylene (total)	31		U

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-23-28

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-10A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	6	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.07	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	0.8	
156-59-2	cis-1,2-Dichloroethene	0.5	0.8	
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5	8	
71-55-6	1,1,1-Trichloroethane	0.5	6	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	JB
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	11	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.7	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	14	
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.02	J
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.3	J
95-47-6	o-Xylene	0.5	0.1	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-23-28

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-10A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	0.5	0.05	J
75-25-2---------	Bromoform	0.5		U
79-34-5---------	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7-------	Xylene (total)	0.5	0.5	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-23-36

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-9DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.8

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1	0.5	J
75-15-0	Carbon disulfide	1		U
67-64-1	Acetone	7	8	B
75-09-2	Methylene Chloride	1		U
156-60-5	trans-1,2-Dichloroethene	1	0.6	J
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1	5	
156-59-2	cis-1,2-Dichloroethene	1	11	
78-93-3	2-butanone	7	5	J
67-66-3	Chloroform	1	0.6	J
71-55-6	1,1,1-Trichloroethane	1	12	
56-23-5	Carbon Tetrachloride	1		U
71-43-2	Benzene	1	0.4	J
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	44	
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	7		U
108-88-3	Toluene	1	1	J
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	2	
591-78-6	2-hexanone	7		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	0.2	J
108-38-3	m,p-Xylene	3	0.4	J
95-47-6	o-Xylene	1	0.2	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-23-36

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-9DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.8

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
1330-20-7	Xylene (total)	1	0.6	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-23-46

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-8A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.2	J
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	5	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.3	J
1634-04-4	Methyl-tert-butyl ether	0.5	0.4	J
75-34-3	1,1-Dichloroethane	0.5	3	
156-59-2	cis-1,2-Dichloroethene	0.5	3	
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5	0.6	
71-55-6	1,1,1-Trichloroethane	0.5	18	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.6	B
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	19	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	1	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	3	
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.4	J
108-38-3	m,p-Xylene	1	0.6	J
95-47-6	o-Xylene	0.5	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-23-46

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-8A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.08	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.9	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-61-40

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-7A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.3	J
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	3	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	2	
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	1	
156-59-2	cis-1,2-Dichloroethene	0.5	19	
78-93-3	2-butanone	3	6	
67-66-3	Chloroform	0.5	0.6	
71-55-6	1,1,1-Trichloroethane	0.5	3	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.3	JB
107-06-2	1,2-Dichloroethane	0.5	0.2	J
79-01-6	Trichloroethene	0.5	13	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	1	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.03	J
100-41-4	Ethylbenzene	0.5	0.3	J
108-38-3	m,p-Xylene	1	0.3	J
95-47-6	o-Xylene	0.5	0.2	J

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-61-40

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-7A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.5	J

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-61-60

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-6A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	3		U
75-01-4	Vinyl Chloride	3	0.4	J
74-83-9	Bromomethane	3		U
75-00-3	Chloroethane	3		U
75-35-4	1,1-Dichloroethene	3	2	J
75-15-0	Carbon disulfide	3		U
67-64-1	Acetone	13	15	B
75-09-2	Methylene Chloride	3	1	JB
156-60-5	trans-1,2-Dichloroethene	3	6	
1634-04-4	Methyl-tert-butyl ether	3		U
75-34-3	1,1-Dichloroethane	3	5	
156-59-2	cis-1,2-Dichloroethene	3	94	
78-93-3	2-butanone	13	3	J
67-66-3	Chloroform	3	0.3	J
71-55-6	1,1,1-Trichloroethane	3	13	
56-23-5	Carbon Tetrachloride	3		U
71-43-2	Benzene	3	2	JB
107-06-2	1,2-Dichloroethane	3	1	J
79-01-6	Trichloroethene	3	51	
78-87-5	1,2-Dichloropropane	3		U
75-27-4	Bromodichloromethane	3		U
10061-01-5	cis-1,3-Dichloropropene	3		U
108-10-1	4-Methyl-2-pentanone	13		U
108-88-3	Toluene	3	4	B
10061-02-6	trans-1,3-Dichloropropene	3		U
79-00-5	1,1,2-Trichloroethane	3		U
127-18-4	Tetrachloroethene	3	0.2	J
591-78-6	2-hexanone	13		U
124-48-1	Dibromochloromethane	3		U
108-90-7	Chlorobenzene	3	0.2	J
100-41-4	Ethylbenzene	3	1	J
108-38-3	m,p-Xylene	5	2	J
95-47-6	o-Xylene	3	0.7	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-61-60

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-6A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	3	0.2	J
75-25-2	Bromoform	3		U
79-34-5	1,1,2,2-Tetrachloroethane	3		U
1330-20-7	Xylene (total)	3	3	

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-61-75

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-5A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.2

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.6		U
75-01-4	Vinyl Chloride	0.6		U
74-83-9	Bromomethane	0.6		U
75-00-3	Chloroethane	0.6		U
75-35-4	1,1-Dichloroethene	0.6	0.3	J
75-15-0	Carbon disulfide	0.6		U
67-64-1	Acetone	3	24	B
75-09-2	Methylene Chloride	0.6	0.4	JB
156-60-5	trans-1,2-Dichloroethene	0.6	0.5	J
1634-04-4	Methyl-tert-butyl ether	0.6	0.4	J
75-34-3	1,1-Dichloroethane	0.6	1	
156-59-2	cis-1,2-Dichloroethene	0.6	12	
78-93-3	2-butanone	3	11	
67-66-3	Chloroform	0.6	0.1	J
71-55-6	1,1,1-Trichloroethane	0.6	3	
56-23-5	Carbon Tetrachloride	0.6		U
71-43-2	Benzene	0.6	2	B
107-06-2	1,2-Dichloroethane	0.6	0.2	J
79-01-6	Trichloroethene	0.6	14	
78-87-5	1,2-Dichloropropane	0.6		U
75-27-4	Bromodichloromethane	0.6		U
10061-01-5	cis-1,3-Dichloropropene	0.6		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.6	5	B
10061-02-6	trans-1,3-Dichloropropene	0.6		U
79-00-5	1,1,2-Trichloroethane	0.6		U
127-18-4	Tetrachloroethene	0.6	0.08	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.6		U
108-90-7	Chlorobenzene	0.6	0.03	J
100-41-4	Ethylbenzene	0.6	1	
108-38-3	m,p-Xylene	1	2	
95-47-6	o-Xylene	0.6	0.9	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-61-75

Project: ET03031 Date Sampled: 05/16/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-5A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.2

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.6	0.2	J
75-25-2	Bromoform	0.6		U
79-34-5	1,1,2,2-Tetrachloroethane	0.6		U
1330-20-7	Xylene (total)	0.6	3	

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-11A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	2	JB
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	3	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.02	JB
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.3	JB
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.03	J
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: T2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: T2974-11A73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VUQLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-5C73T

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	4	
75-01-4	Vinyl Chloride	0.5	4	
74-83-9	Bromomethane	0.5	5	
75-00-3	Chloroethane	0.5	5	
75-35-4	1,1-Dichloroethene	0.5	4	
75-15-0	Carbon disulfide	0.5	4	
67-64-1	Acetone	3	21	B
75-09-2	Methylene Chloride	0.5	4	B
156-60-5	trans-1,2-Dichloroethene	0.5	5	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	24	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	5	
56-23-5	Carbon Tetrachloride	0.5	4	
71-43-2	Benzene	0.5	5	B
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5	5	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	24	B
108-88-3	Toluene	0.5	5	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	5	
591-78-6	2-hexanone	3	18	B
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	5	
108-38-3	m,p-Xylene	1	10	
95-47-6	o-Xylene	0.5	5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VUQLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-5C73T

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	5	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7	Xylene (total)	0.5	15	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWQLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24403-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24403-4RA73_T

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	6	
75-01-4	Vinyl Chloride	0.5	7	
74-83-9	Bromomethane	0.5	6	
75-00-3	Chloroethane	0.5	7	
75-35-4	1,1-Dichloroethene	0.5	6	
75-15-0	Carbon disulfide	0.5	6	
67-64-1	Acetone	3	26	B
75-09-2	Methylene Chloride	0.5	5	B
156-60-5	trans-1,2-Dichloroethene	0.5	6	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	6	
156-59-2	cis-1,2-Dichloroethene	0.5	6	
78-93-3	2-butanone	3	25	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	6	
56-23-5	Carbon Tetrachloride	0.5	6	
71-43-2	Benzene	0.5	5	B
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	6	
78-87-5	1,2-Dichloropropane	0.5	5	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	21	
108-88-3	Toluene	0.5	6	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	6	
591-78-6	2-hexanone	3	20	B
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	6	
100-41-4	Ethylbenzene	0.5	6	
108-38-3	m,p-Xylene	1	12	
95-47-6	o-Xylene	0.5	5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWQLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24403-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24403-4RA73_T

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	6	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	4	
1330-20-7	Xylene (total)	0.5	18	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWOLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24398-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24398-5RA73

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	7	
75-01-4	Vinyl Chloride	0.5	7	
74-83-9	Bromomethane	0.5	6	
75-00-3	Chloroethane	0.5	4	
75-35-4	1,1-Dichloroethene	0.5	6	
75-15-0	Carbon disulfide	0.5	7	
67-64-1	Acetone	3	28	B
75-09-2	Methylene Chloride	0.5	5	
156-60-5	trans-1,2-Dichloroethene	0.5	6	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	6	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	28	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	6	
56-23-5	Carbon Tetrachloride	0.5	6	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5	6	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	24	
108-88-3	Toluene	0.5	5	
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	6	
591-78-6	2-hexanone	3	23	
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	6	
108-38-3	m,p-Xylene	1	11	
95-47-6	o-Xylene	0.5	6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWOLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24398-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24398-5RA73

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	6	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7	Xylene (total)	0.5	17	

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

	CLIENT SAMPLE NO.	SMC1 (DBF)#	SMC2 (DCE)#	SMC3 (TOL)#	SMC4 (BFB)#	TOT OUT
01	VBLKUQ	105	103	106	96	0
02	VUQLCS	92	90	93	91	0
03	M1P-22-55	101	96	104	99	0
04	M1P-22-55DUP	98	96	111	106	0
05	VBLKWQ	120	113	119	112	0
06	VWQLCS	115	112	121	108	0
07	TRIPBLANK	109	115	109	106	0
08	M1P-22-55DL	111	116	103	103	0
09	M1P-22-55DUP	107	110	102	107	0
10	M1P-22-30	110	117	101	105	0
11	M1P-22-30DUP	114	121	104	106	0
12	M1P-61-75	113	121	111	122	0
13	M1P-61-60	117	118	112	109	0
14	M1P-61-40	111	116	104	109	0
15	M1P-23-46	109	115	102	103	0
16	M1P-23-28	111	118	112	108	0
17	VBLKWO	107	103	108	103	0
18	VWOLCS	104	101	110	102	0
19	M1P-23-36	99	102	111	101	0
20						
21						
22						
23						
24						
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(65-150)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(59-150)
SMC3 (TOL)	= Toluene-d8	(61-145)
SMC4 (BFB)	= Bromofluorobenzene	(63-143)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A
WATER VOLATILE LAB CONTROL SAMPLE

VUQLCS

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	4.49	90	50-141
Vinyl Chloride	5.00	4.44	89	49-142
Bromomethane	5.00	4.54	91	54-150
Chloroethane	5.00	4.71	94	61-150
1,1-Dichloroethene	5.00	4.30	86	50-150
Carbon disulfide	5.00	4.41	88	50-150
Acetone	25.00	20.65	83	50-142
Methylene Chloride	5.00	4.48	90	50-149
trans-1,2-Dichloroethen	5.00	4.62	92	60-143
Methyl-tert-butyl ether	5.00	5.07	101	50-150
1,1-Dichloroethane	5.00	4.88	98	63-140
cis-1,2-Dichloroethene	5.00	4.85	97	58-148
2-butanone	25.00	24.17	97	50-150
Chloroform	5.00	4.84	97	57-146
1,1,1-Trichloroethane	5.00	4.50	90	58-150
Carbon Tetrachloride	5.00	4.43	89	50-150
Benzene	5.00	4.72	94	76-134
1,2-Dichloroethane	5.00	5.11	102	58-143
Trichloroethene	5.00	4.52	90	71-143
1,2-Dichloropropane	5.00	4.93	99	59-138
Bromodichloromethane	5.00	4.98	100	63-139
cis-1,3-Dichloropropene	5.00	4.99	100	56-142
4-Methyl-2-pentanone	25.00	23.81	95	50-145
Toluene	5.00	4.64	93	70-137
trans-1,3-Dichloroprope	5.00	5.23	105	61-135
1,1,2-Trichloroethane	5.00	5.10	102	60-133
Tetrachloroethene	5.00	4.64	93	59-150
2-hexanone	25.00	18.24	73	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VUQLCS

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	4.96	99	69-136
Chlorobenzene	5.00	4.89	98	74-136
Ethylbenzene	5.00	4.77	95	63-136
Styrene	5.00	5.00	100	62-133
Bromoform	5.00	5.08	102	58-144
1,1,2,2-Tetrachloroetha	5.00	5.30	106	43-139
Xylene (total)	15.00	15.16	101	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWQLCS

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	5.96	119	50-141
Vinyl Chloride	5.00	6.86	137	49-142
Bromomethane	5.00	5.83	117	54-150
Chloroethane	5.00	6.61	132	61-150
1,1-Dichloroethene	5.00	5.72	114	50-150
Carbon disulfide	5.00	6.46	129	50-150
Acetone	25.00	26.25	105	50-142
Methylene Chloride	5.00	5.19	104	50-149
trans-1,2-Dichloroethen	5.00	5.75	115	60-143
Methyl-tert-butyl ether	5.00	5.01	100	50-150
1,1-Dichloroethane	5.00	5.60	112	63-140
cis-1,2-Dichloroethene	5.00	5.74	115	58-148
2-butanone	25.00	25.14	100	50-150
Chloroform	5.00	5.45	109	57-146
1,1,1-Trichloroethane	5.00	5.78	116	58-150
Carbon Tetrachloride	5.00	6.16	123	50-150
Benzene	5.00	5.48	110	76-134
1,2-Dichloroethane	5.00	4.99	100	58-143
Trichloroethene	5.00	5.76	115	71-143
1,2-Dichloropropane	5.00	5.15	103	59-138
Bromodichloromethane	5.00	5.28	106	63-139
cis-1,3-Dichloropropene	5.00	5.18	104	56-142
4-Methyl-2-pentanone	25.00	21.07	84	50-145
Toluene	5.00	5.53	111	70-137
trans-1,3-Dichloroprope	5.00	5.35	107	61-135
1,1,2-Trichloroethane	5.00	5.03	101	60-133
Tetrachloroethene	5.00	6.04	121	59-150
2-hexanone	25.00	19.72	79	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWQLCS

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	5.03	101	69-136
Chlorobenzene	5.00	5.51	110	74-136
Ethylbenzene	5.00	5.93	119	63-136
Styrene	5.00	5.53	111	62-133
Bromoform	5.00	5.26	105	58-144
1,1,2,2-Tetrachloroetha	5.00	4.49	90	43-139
Xylene (total)	15.00	17.70	118	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWOLCS

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	6.97	139	50-141
Vinyl Chloride	5.00	6.59	132	49-142
Bromomethane	5.00	5.68	114	54-150
Chloroethane	5.00	3.80	76	61-150
1,1-Dichloroethene	5.00	5.70	114	50-150
Carbon disulfide	5.00	6.83	137	50-150
Acetone	25.00	28.30	113	50-142
Methylene Chloride	5.00	5.00	100	50-149
trans-1,2-Dichloroethen	5.00	5.66	113	60-143
Methyl-tert-butyl ether	5.00	4.66	93	50-150
1,1-Dichloroethane	5.00	5.77	115	63-140
cis-1,2-Dichloroethene	5.00	5.48	110	58-148
2-butanone	25.00	28.18	113	50-150
Chloroform	5.00	5.45	109	57-146
1,1,1-Trichloroethane	5.00	5.53	111	58-150
Carbon Tetrachloride	5.00	5.67	113	50-150
Benzene	5.00	5.45	109	76-134
1,2-Dichloroethane	5.00	4.93	99	58-143
Trichloroethene	5.00	5.46	109	71-143
1,2-Dichloropropane	5.00	5.59	112	59-138
Bromodichloromethane	5.00	5.08	102	63-139
cis-1,3-Dichloropropene	5.00	5.12	102	56-142
4-Methyl-2-pentanone	25.00	23.61	94	50-145
Toluene	5.00	5.48	110	70-137
trans-1,3-Dichloroprope	5.00	5.08	102	61-135
1,1,2-Trichloroethane	5.00	4.82	96	60-133
Tetrachloroethene	5.00	5.68	114	59-150
2-hexanone	25.00	22.64	90	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWOLCS

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	5.05	101	69-136
Chlorobenzene	5.00	5.28	106	74-136
Ethylbenzene	5.00	5.78	116	63-136
Styrene	5.00	5.52	110	62-133
Bromoform	5.00	4.74	95	58-144
1,1,2,2-Tetrachloroetha	5.00	4.63	93	43-139
Xylene (total)	15.00	17.45	116	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKUQ

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Lab File ID: WG24320-2C73T Lab Sample ID: WG24320-2

Date Analyzed: 05/20/03 Time Analyzed: 0516

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP73

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VUQLCS	WG24320-5	WG24320-5C73	0543
02	M1P-22-55	T2974-1	T2974-1C73	1203
03	M1P-22-55DUP	T2974-2	T2974-2C73	1230
04				
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COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKUQ

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-2C73T

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	1	J
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.03	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3	0.6	J
108-88-3	Toluene	0.5	0.06	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3	2	J
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKUQ

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-2C73T

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKWQ

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Lab File ID: WG24403-1RA73_T Lab Sample ID: WG24403-1

Date Analyzed: 05/21/03 Time Analyzed: 1026

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP73

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VWQLCS	WG24403-4	WG24403-4RA7	1147
02	TRIPBLANK	T2974-11	T2974-11A73	1323
03	M1P-22-55DL	T2974-1	T2974-1DA73	1350
04	M1P-22-55DUP	T2974-2	T2974-2DA73	1417
05	M1P-22-30	T2974-3	T2974-3A73	1443
06	M1P-22-30DUP	T2974-4	T2974-4A73	1510
07	M1P-61-75	T2974-5	T2974-5A73	1537
08	M1P-61-60	T2974-6	T2974-6A73	1604
09	M1P-61-40	T2974-7	T2974-7A73	1630
10	M1P-23-46	T2974-8	T2974-8A73	1657
11	M1P-23-28	T2974-10	T2974-10A73	1750
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COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWQ

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24403-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24403-1RA73_T

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	1	J
75-09-2	Methylene Chloride	0.5	0.2	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.03	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.06	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3	0.4	J
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWQ

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24403-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24403-1RA73_T

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

FORM I VOA 8260B

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKWO

Lab Name: COMPUCHEM Contract: 8260

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Lab File ID: WG24398-2R73_TC3 Lab Sample ID: WG24398-2

Date Analyzed: 05/22/03 Time Analyzed: 1033

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP73

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VWOLCS	WG24398-5	WG24398-5RA7	1152
02	M1P-23-36	T2974-9	T2974-9DA73	1400
03				
04				
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COMMENTS:

FORM IV VOA

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWO

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24398-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24398-2R73_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	1	J
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5		U
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWO

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2974

Matrix: (soil/water) WATER Lab Sample ID: WG24398-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24398-2R73_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

Data Quality Review
Dayton Thermal – Property No. SC001
RFA ET03031

Sample Receipt

Samples received at the laboratory on May 14, 2003 were above the 4 ± 2 °C requirement. The samples were received at temperature of 7.8 °C. The samples included in this group are considered to have a potential for low bias due to the elevated sample receipt temperature. Samples affected are listed below:

MIP-12-20	MIP-12-45	MIP-12-70	MIP-14-30
MIP-14-48	MIP-14-68	MIP-20-30	MIP-20-45
MIP-20-65	Trip Blank 1		

Most of the samples received by the laboratory had air bubbles in the VOA vials. ~~The presence of air bubbles is most likely associated with the matrix, since trip blanks and equipment blanks did not contain air bubbles~~. Listed below are samples which had all three VOA vials with air bubbles present, indicating a potential for low bias in the results reported:

MIP-11-50	MIP-11-70	MIP-13-25	MIP-13-50
MIP-13-70	MIP-14-68	MIP-15-20	MIP-19-45
MIP-22-30DUP	MIP-22-55	MIP-22-69	MIP-22-69DUP
MIP-23-36	MIP-24-35	MIP-24-55	MIP-25-25
MIP-25-35	MIP-25-45	MIP-26-58	MIP-30-15
MIP-31-60	MIP-34-55	MIP-37-30	MIP-40-25
MIP-41-25	MIP-41-35	MIP-41-45	MIP-46-55
MIP-42-45	MIP-42-60	MIP-44-40	MIP-44-55
MIP-48-31	MIP-48-36	MIP-48-56	MIP-50-50
MIP-53-25	MIP-54-25	MIP-54-40	MIP-61-60
MIP-61-75	MIP-65-55	MIP-65-25	MIP-65-65
MIP-66-70	MIP-67-50	MIP-78-65	

Many samples were received at a pH greater than 2. This is most likely due to the sample matrix, since preservative was used during sample collection. Unpreserved samples analyzed within 7 days are considered acceptable. Samples which did not meet the pH preservation requirement and were not analyzed within 7 days are listed below:

MIP-15-20	MIP-15-20DL	MIP-19-25DL	MIP-19-45DL
MIP-24-25DL	MIP-24-35DL	MIP-24-55DL	MIP-25-25
MIP-25-35	MIP-25-45	MIP-35-40	MIP-35-60
MIP-38-31	MIP-38-31RE	MIP-39-20	MIP-39-60
MIP-39-60DL	MIP-39-70DL	MIP-41-25	MIP-41-35DL
MIP-44-55DL	MIP-46-55	MIP-46-75	MIP-48-36
MIP-48-36RE	MIP-48-56	MIP-48-56DL	MIP-51-25
MIP-51-40	MIP-51-50	MIP-53-25RE	MIP-64-25
MIP-64-25DL	MIP-64-30	MIP-64-30DL	MIP-65-25
MIP-65-25DL	MIP-65-55	MIP-65-65	MIP-67-25
MIP-67-40	MIP-67-50	EB-062003	

Laboratory Blanks

Contaminants detected in laboratory blanks are summarized in Table 1. Sample results within ten times the laboratory concentration for common laboratory contaminants (i.e. acetone and methylene chloride) and five times the laboratory blank concentration for other compounds may be considered false positives due to laboratory contamination. The number of detects found in laboratory blanks was excessive and may impact data quality.

Surrogates

Surrogate recovery exceedances are summarized in Table 2. Results associated with low recoveries are considered to have a potential for low bias, while results associated with high recoveries are considered to have a potential for high bias.

Matrix Spikes/Matrix Spike Duplicates

Samples were not collected for MS/MSD analysis and the laboratory did not perform MS/MSD analysis.

Internal Standards

Sample WMSOIL-051303-001 had low internal standard area counts. The sample was reanalyzed; however, similar internal standard counts were obtained.

Dilutions

Many dilutions were required during VOC analysis. Results from the undiluted samples should be used, unless the value was qualified "E" by the laboratory. Compounds qualified "E" should be taken from the dilution analysis.

Field Quality Control

Field duplicate precision is summarized in Table 3. Relative Percent Differences (RPDs) were within 30 percent, or the values were within ± the reporting limit and considered acceptable.

Contaminants detected in field quality control blanks are summarized in Table 4. Result within five times the trip blank concentration may be considered a false positive due to contamination which may have occurred during sample shipping.

TABLE 1

CONTAMINANTS DETECTED IN LABORATORY BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Blank ID	Compound	Blank Concentration	Action Level	Results Within Action Level		
VBLKUP 5/15/03	Methylene Chloride	0.1 J ug/L	1 ug/L	MIP-14-30	MIP-14-48	MIP-20-30
				MIP-20-45	Trip Blank 1	
	Toluene	0 06 J ug/L	0.3 ug/L	Trip Blank 1		
VBLKUQ 5/20/03	Acetone	1 J ug/L	10 ug/L	MIP-12-20	MIP-12-45	MIP-12-70
				MIP-14-48DL	MIP-14-68	MIP-20-30DL
				MIP-20-45DL	MIP-20-65DL	MIP-22-55
				MIP-22-55DUP		
	Methylene Chloride	0.1 J ug/L	1 ug/L	MIP-12-20	MIP-12-45	MIP-12-70
				MIP-14-30DL	MIP-14-48DL	MIP-14-68
				MIP-20-30DL	MIP-20-45DL	MIP-20-65DL
				MIP-22-55	MIP-22-55DUP	
	Benzene	0.03 J ug/L	0.15 ug/L	MIP-14-30DL	MIP-14-48DL	MIP-14-68
				MIP-20-30DL	MIP-20-45DL	MIP-20-65DL
				MIP-22-55	MIP-22-55DUP	
	4-Methyl-2-pentanone	0.6 J ug/L	3 ug/L	MIP-12-20	MIP-12-45	MIP-12-70
	Toluene	0 06 J ug/L	0.3 ug/L	MIP-12-20	MIP-14-30DL	MIP-14-48DL
				MIP-14-68	MIP-20-30DL	MIP-20-45DL
				MIP-20-65DL	MIP-22-55	MIP-22-55DUP
	2-Hexanone	2 J ug/L	10 ug/L	MIP-12-20	MIP-12-45	MIP-12-70
VBLKWQ 5/21/03	Acetone	1 J ug/L	10 ug/L	MIP-22-30	MIP-22-30DUP	MIP-22-55DL
				MIP-22-55DUPDL		MIP-23-28
				MIP-23-46	MIP-61-40	MIP-61-60
				Trip Blank		
	Methylene Chloride	0 2 J ug/L	2 ug/L	MIP-22-30	MIP-22-30DUP	MIP-22-55DL
				MIP-22-55DUPDL		MIP-23-28
				MIP-23-46	MIP-61-40	MIP-61-60
				MIP-61-75	Trip Blank	

TABLE 1

CONTAMINANTS DETECTED IN LABORATORY BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Blank ID	Compound	Blank Concentration	Action Level	Results Within Action Level
VBLKWQ (cont.) 5/21/03	Benzene	0.03 J ug/L	0.15 ug/L	MIP-22-30 MIP-22-30DUP MIP-22-55DL MIP-22-55DUPDL Trip Blank
	Toluene	0 03 J ug/L	0.15 ug/L	MIP-22-30 MIP-22-30DUP MIP-22-55DL MIP-22-55DUPDL
	2-Hexanone	0.4 J ug/L	2 ug/L	None
VBLKWL 5/21/03	Methylene Chloride	0.1 J ug/L	1 ug/L	MIP-13-25 MIP-13-50 MIP-13-70 MIP-13-70DL MIP-54-25 MIP-60-25 MIP-60-60 MIP-66-25
	Toluene	0 06 J ug/L	0.3 ug/L	MIP-13-25 MIP-13-50 MIP-13-70 MIP-13-70DL MIP-60-25 MIP-60-60
VBLKWO 5/22/03	Acetone	1 J ug/L	10 ug/L	MIP-22-69 MIP-22-69DUP MIP-60-45 MIP-66-55 MIP-66-70 MIP-23-36
VBLKLG 6/12/03	Acetone	2 J ug/L	20 ug/L	MIP-34-15 MIP-34-55 MIP-40-25 MIP-40-35 TRIP BLANK 1
	2-Butanone	1 J ug/L	5 ug/L	MIP-34-40 MIP-40-25 MIP-40-35 TRIP BLANK 1
	Trichloroethene	0 03 J ug/L	0 15 ug/L	TRIP BLANK 1
	Toluene	0.1 J ug/L	0.5 ug/L	MIP-34-15 MIP-34-40 TRIP BLANK 1
	Tetrachloroethene	0.1 J ug/L	0.5 ug/L	MIP-34-55 MIP-40-25 MIP-40-35 TRIP BLANK 1
	Ethylbenzene	0.04 J ug/l	0.2 ug/L	MIP-34-15 MIP-34-40 MIP-34-55 MIP-40-25 MIP-40-35
	m,p-Xylene	0.1 J ug/L	0.5 ug/L	MIP-34-15 MIP-34-40 MIP-34-55 MIP-40-25 MIP-40-35
	o-Xylene	0.04 J ug/L	0.2 ug/L	MIP-34-15 MIP-34-40 MIP-34-55 MIP-40-25 MIP-40-35
	Xylene, total	0.1 J ug/L	0.5 ug/L	MIP-34-15 MIP-34-40
VBLKKF 6/13/03	Acetone	1 J ug/L	10 ug/l	MIP-34-15DL MIP-34-40DL MIP-34-55DL MIP-40-25DL MIP-40-35DL
	Methylene Chloride	0.2 J ug/L	2 ug/L	MIP-34-15DL MIP-34-40DL MIP-40-35DL

TABLE 1

CONTAMINANTS DETECTED IN LABORATORY BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Blank ID	Compound	Blank Concentration	Action Level	Results Within Action Level
VBLKKF (cont.) 6/13/03	Chloroform	0.05 J ug/L	0.15 ug/L	MIP-34-15DL
	Toluene	0.2 J ug/L	1 ug/L	MIP-34-15DL MIP-34-40DL MIP-34-55DL MIP-40-25DL MIP-40-35DL
	Chlorobenzene	0 02 J ug/L	0.1 ug/L	MIP-34-15DL MIP-34-40DL MIP-34-55DL
	Ethylbenzene	0.04 J ug/L	0.2 ug/L	MIP-34-15DL MIP-34-40DL MIP-34-55DL MIP-40-25DL MIP-40-35DL
	m,p-Xylene	0.1 J ug/L	0.5 ug/L	MIP-34-15DL MIP-34-40DL MIP-34-55DL MIP-40-25DL MIP-40-35DL
	Xylenes, total	0 1 J ug/L	0. 5 ug/L	MIP-34-15DL MIP-34-40DL MIP-34-55DL MIP-40-25DL MIP-40-35DL
VBLKMK 6/16/03	Acetone	3 J ug/L	30 ug/L	MIP-30-15 MIP-30-35 MIP-33-15 MIP-33-25 MIP-33-35 MIP-37-25 MIP-37-30 MIP-37-50 TRIP BLANK 2 MIP-47-33 MIP-47-53 MIP-47-73 MIP-52-33 MIP-52-43 MIP-52-73 TRIP BLANK 1
	Methylene Chloride	0.1 J ug/L	1 ug/L	MIP-30-15 MIP-33-15 MIP-33-35 MIP-37-25 MIP-37-30 TRIP BLANK 2 MIP-47-33 MIP-47-53 MIP-52-33 TRIP BLANK 1
	2-Butanone	1 J ug/L	5 ug/L	None
	4-Methyl-2-pentanone	0.2 J ug/L	1 ug/L	MIP-52-73
	Toluene	0.3 J ug/L	1.5 ug/L	MIP-30-15 MIP-30-35 MIP-33-15 MIP-33-25 MIP-33-35 MIP-37-25 MIP-37-30 MIP-37-50 TRIP BLANK 2 MIP-47-33 MIP-47-53 MIP-47-73 MIP-52-33 MIP-52-43 MIP-52-73 TRIP BLANK 1
	Tetrachloroethene	0 04 J ug/L	0.2 ug/L	MIP-30-15 TRIP BLANK 2 MIP-52-33 MIP-52-43 MIP-52-73
	2-Hexanone	0.4 J ug/L	2 ug/L	MIP-33-15 MIP-33-35 MIP-47-73

TABLE 1

CONTAMINANTS DETECTED IN LABORATORY BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Blank ID	Compound	Blank Concentration	Action Level	Results Within Action Level		
VBLKMK (cont.) 6/16/03	Ethylbenzene	0.04 J ug/L	0 2 ug/L	MIP-30-15 MIP-47-33 MIP-52-43	MIP-37-30 MIP-47-53 MIP-52-73	TRIP BLANK 2 MIP-52-33
	m,p-Xylene	0.1 J ug/L	0.5 ug/L	MIP-30-15 MIP-33-25 MIP-37-30 MIP-47-33 MIP-52-43	MIP-30-35 MIP-33-35 MIP-37-50 MIP-47-53 MIP-52-73	MIP-33-15 MIP-37-25 TRIP BLANK 2 MIP-52-33 TRIP BLANK 1
	o-Xylene	0 05 ug/L	0.25 ug/L	MIP-30-15 MIP-33-35 MIP-37-50 MIP-52-33	MIP-30-35 MIP-37-25 MIP-47-33 MIP-52-43	MIP-33-25 MIP-37-30 MIP-47-53 MIP-52-73
	Styrene	0.04 J ug/L	0.2 ug/L	MIP-33-35 MIP-52-33	MIP-47-53	MIP-47-73
	Xylene, total	0.2 J ug/L	1 ug/L	MIP-30-15 MIP-33-25 MIP-37-30 MIP-47-33 MIP-52-33 TRIP BLANK 1	MIP-30-35 MIP-33-35 MIP-37-50 MIP-47-53 MIP-52-43	MIP-33-15 MIP-37-25 TRIP BLANK 2 MIP-47-73 MIP-52-73
VBLKMB 6/18/03	Acetone	3 J ug/L	30 ug/L	MIP-30-50 MIP-33-35DL MIP-37-50DL	MIP-33-15DL MIP-37-25DL	MIP-33-25DL MIP-37-30DL
VBLKSK 6/24/03	Acetone	3 J ug/L	30 ug/L	MIP-18-25 MIP-26-35 MIP-31-40	MIP-18-40 MIP-26-58 MIP-31-60	MIP-26-25 MIP-31-20 MIP-64-40
	Methylene Chloride	0.1 J ug/L	1 ug/L	MIP-18-25 MIP-26-25 MIP-31-20 MIP-64-40	MIP-18-40 MIP-26-35 MIP-31-40	MIP-18-65 MIP-26-58 MIP-31-60

TABLE 1

CONTAMINANTS DETECTED IN LABORATORY BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Blank ID	Compound	Blank Concentration	Action Level	Results Within Action Level		
VBLKSK (cont.) 6/24/03	Toluene	0.2 J ug/L	1 ug/L	MIP-18-25 MIP-26-25 MIP-31-20 MIP-64-40	MIP-18-40 MIP-26-35 MIP-31-40	MIP-18-65 MIP-26-58 MIP-31-60
	Styrene	0.08 J ug/L	0.4 ug/L	MIP-18-65 MIP-64-40	MIP-26-25	MIP-26-35
SBLKSM 6/24/03	Acetone	2 J ug/L	20 ug/L	MIP-11-20 MIP-35-25 MIP-43-70	MIP-11-50 MIP-43-25	MIP-11-70 MIP-43-35
	Methylene Chloride	0.1 J ug/L	1 ug/L	MIP-11-20 MIP-18-65RE MIP-43-35 MIP-48-36	MIP-11-50 MIP-35-25 MIP-43-70	MIP-11-70 MIP-43-25 MIP-48-31
	Toluene	0.06 ug/L	0.3 ug/L	MIP-43-25		
VBLKSL 6/25/03	Acetone	3 J ug/L	30 ug/L	MIP-11-20DL MIP-41-45 MIP-48-36RE	MIP-24-25 MIP-48-31RE MIP-48-56DL	MIP-41-35
	Methylene Chloride	0 3 J ug/L	3 ug/L	MIP-11-20DL MIP-48-31RE	MIP-24-25 MIP-48-36RE	MIP-41-35 MIP-48-56DL
	Toluene	0 05 ug/L	0.25 ug/L	MIP-48-31DL		
VBLKSK 6/24/03	Acetone	2 J ug/L	20 ug/L	MIP-19-25 MIP-24-55 MIP-46-75	MIP-19-45 MIP-46-25	MIP-24-35 MIP-46-55
	Methylene Chloride	0 1 J ug/L	1 ug/L	MIP-19-25 MIP-24-55 MIP-46-75	MIP-19-45 MIP-46-25	MIP-24-35 MIP-46-55
	Toluene	0.06 J ug/L	0.3 ug/L	None		

TABLE 1

CONTAMINANTS DETECTED IN LABORATORY BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Blank ID	Compound	Blank Concentration	Action Level	Results Within Action Level		
VBLKSN 6/26/03	Acetone	3 J ug/L	30 ug/L	MIP-15-20	MIP-19-25DL	MIP-19-45DL
				MIP-24-25DL	MIP-24-35DL	MIP-24-55DL
				MIP-25-25	MIP-25-35	MIP-25-45
				MIP-41-25	MIP-41-35DL	MIP-44-25
				MIP-44-40	MIP-44-55	MIP-50-30
				MIP-50-50		
	Methylene Chloride	0.3 J ug/L	3 ug/L	MIP-15-20	MIP-19-25DL	MIP-19-45DL
				MIP-24-25DL	MIP-24-35DL	MIP-24-55DL
				MIP-25-25	MIP-25-35	MIP-25-45
				MIP-41-25	MIP-41-35DL	MIP-44-25
				MIP-44-40	MIP-44-55	MIP-50-30
				MIP-50-50		
	Toluene	0.1 J ug/L	0.5 ug/L	MIP-19-25DL	MIP-19-45DL	MIP-24-25DL
				MIP-24-35DL	MIP-24-55DL	
	Styrene	0.05 J ug/L	0.25 ug/L	MIP-15-20	MIP-19-25DL	MIP-19-45DL
				MIP-24-25DL	MIP-24-35DL	MIP-24-55DL
				MIP-25-25	MIP-25-35	MIP-25-45
				MIP-41-25	MIP-44-25	MIP-44-40
				MIP-44-55	MIP-50-30	MIP-50-50
VBLKTI 6/26/03	Acetone	4 ug/L	40 ug/L	MIP-15-20DL	MIP-44-55DL	
	Methylene Chloride	0.1 J ug/L	1 ug/L	MIP-15-20DL	MIP-44-55DL	
VBLKOZ 6/25/03	Acetone	3 J ug/L	30 ug/L	MIP-64-30		
	Methylene Chloride	0 3 J ug/L	3 ug/L	MIP-64-30	TRIP BLANK	
	Toluene	0 06 J ug/L	0.3 ug/L	TRIP BLANK		
VBLKSQ 6/27/03	Acetone	2 J ug/L	20 ug/L	MIP-35-40	MIP-35-60	MIP-39-20
				MIP-39-60DL	MIP-39-70DL	MIP-51-25
				MIP-51-40	MIP-65-55	EB-062003
	Benzene	0.06 J ug/L	0.3 ug/L	MIP-35-40	MIP-39-20	MIP-39-60DL
				MIP-39-70DL	MIP-51-25	

TABLE 1

CONTAMINANTS DETECTED IN LABORATORY BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Blank ID	Compound	Blank Concentration	Action Level	Results Within Action Level
VBLKSQ (cont.) 6/27/03	Toluene	0.1 J ug/L	0 5 ug/L	MIP-35-40 MIP-39-60DL MIP-51-40 MIP-51-50 EB-062003
VBLKSR 6/28/03	Acetone	3 ug/L	30 ug/L	MIP-67-25 MIP-67-40 MIP-67-50
	Toluene	0.2 J ug/L	1 ug/L	MIP-67-25 MIP-67-40 MIP-67-50
VBLKUA 6/25/03	Acetone	3 J ug/L	30 ug/L	MIP-39-60 MIP-39-70 MIP-50-20 MIP-64-25 MIP-65-25
	2-Butanone	0.6 J ug/L	3 ug/L	None
	Toluene	0.06 J ug/L	0.3 ug/L	None
VBLKUB 6/26/03	Acetone	3 ug/L	30 ug/L	MIP-64-25DL MIP-64-30DL MIP-65-65
	Methylene Chloride	0.3 J ug/L	3 ug/L	MIP-64-25DL MIP-64-30DL MIP-65-65
	Toluene	0.08 J ug/L	0.4 ug/L	None
VBLKUY 6/26/03	Acetone	3 ug/L	30 ug/L	MIP-65-25DL
	Methylene Chloride	0 2 J ug/L	2 ug/L	MIP-53-25RE MIP-65-25DL
	Toluene	0.07 J ug/L	0.35 ug/L	None
Metals Blank SDG R2974	Selenium	0.377 mg/Kg	1.885	WMSOIL-051303-001
LEACH BLK 2	Barium, TCLP	0.57 ug/L	2.85 ug/L	None
	Chromium, TCLP Selenium, TCLP	1 5 ug/L 6 ug/L	7.5 ug/L 30 ug/L	WMSOIL-051303-001 TCLP

Notes:

Dilutions were taken into consideration during review of method blanks.
The 10X rule was used to calculate the action level for common laboratory contaminants (i e. acetone and methylene chloride). The 5X rule was used to calculate the action level for other compounds.

TABLE 2

SURROGATE RECOVERY EXCEEDANCES
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Sample ID	Surrogate	% Recovery	Recovery Limits	Associated Results
MIP-15-20	Dibromofluoromethane Toluene-d_8	58 58	65-150 61-145	Results should be considered to have a potential for low bias.
MIP-15-20DL	Bromofluorobenzene	146	63-143	Positive results are considered to have a potential for high bias
MIP-18-65RE	Dibromofluoromethane Bromofluorobenzene	42 192	65-150 63-143	Results should be considered estimated.
MIP-41-45	Dibromofluoromethane 1,2-Dichloroethane-d_4	12 156	65-150 59-150	Results should be considered estimated.
MIP-44-55DL	Bromofluorobenzene	167	63-143	Positive results are considered to have a potential for high bias.
MIP-48-31	1,2-Dichloroethane-d_4 Bromofluorobenzene	225 233	59-150 63-143	Positive results are considered to have a potential for high bias
MIP-48-36	Dibromofluoromethane 1,2-Dichloroethane-d_4 Toluene-d_8 Bromofluorobenzene	175 249 181 274	65-150 59-150 61-145 63-143	Positive results are considered to have a potential for high bias.
MIP-48-36RE	Bromofluorobenzene	211	63-143	Positive results are considered to have a potential for high bias
MIP-48-56	1,2-Dichloroethane-d_4 Toluene-d_8	293 185	59-150 61-145	Positive results are considered to have a potential for high bias.
MIP-53-25	1,2-Dichloroethane-d_4 Toluene-d_8 Bromofluorobenzene	179 165 245	59-150 61-145 63-143	Positive results are considered to have a potential for high bias.
MIP-53-25DL	Bromofluorobenzene	156	63-143	Positive results are considered to have a potential for high bias
MIP-65-25DL	Bromofluorobenzene	143	63-143	Positive results are considered to have a potential for high bias.

TABLE 3

FIELD DUPLICATE PRECISION
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Sample ID	Field Duplicate ID	Laboratory	Compound	Units	Sample Concentration	Field Duplicate Concentration	RPD
MIP-22-30	MIP-22-30DUP	CompuChem	cis-1,2-Dichloroethene	ug/L	4 J	3 J	28.6
			Chloroform	ug/L	25 U	1 J	---
			Tetrachloroethene	ug/L	4 J	3 J	28.6*
			Trichloroethene	ug/L	730	620	16.3
MIP-22-55	MIP-22-55DUP	CompuChem	1,1-Dichloroethane	ug/L	1 J	13 U	---
			1,1-Dichloroethene	ug/L	1 J	2 J	66.7*
			Chloroform	ug/L	0.9 J	1 J	10.5
			cis-1,2-Dichloroethene	ug/L	4 J	4 J	0
			Ethylbenzene	ug/L	0.3 J	13 U	---
			m,p-Xylene	ug/L	0.8 J	2 J	85.7*
			o-Xylene	ug/L	0 3 J	13 U	---
			Tetrachloroethene	ug/L	0.7 J	1 J	35 3*
			trans-1,2-Dichloroethene	ug/L	0.6 J	1 J	50*
			Trichloroethene	ug/L	820	820	0
MIP-22-69	MIP-22-69DUP	CompuChem	1,1-Dichloroethene	ug/L	13 U	1 J	---
			Benzene	ug/L	2 J	2 J	0
			Chloroform	ug/L	13 U	0.6 J	---
			cis-1,2-Dichloroethene	ug/L	7 J	7	0
			Ethylbenzene	ug/L	13 U	0.5 J	---
			Toluene	ug/L	3 J	2 J	40*
			Tetrachloroethene	ug/L	2 J	1 J	66.7*
			Trans-1,2-Dichloroethene	ug/L	13 U	0.9 J	---
			Trichloroethene	ug/L	270	300	10.5

TABLE 3

FIELD DUPLICATE PRECISION
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Sample ID	Field Duplicate ID	Laboratory	Compound	Units	Sample Concentration	Field Duplicate Concentration	RPD

NOTES:

--- RPD not calculated, compound not detected in either the sample or its field duplicate.
J Estimated.
U Undetected.
RPD Relative Percent Difference.
* Results were within ± the reporting limit and considered acceptable.
Results determined to be false positives due to laboratory or field contamination are not included in the table above.

TABLE 4

CONTAMINANTS DETECTED IN FIELD QUALITY CONTOL BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Field ID	Compound	Concentration	Action Level	Results Within Action Level		
Trip Blank 1 5/13/03	Carbon Disulfide	2 J ug/L	10 ug/L	MIP-12-20 MIP-14-48	MIP-12-45 MIP-20-65	MIP-12-70
	2-Butanone	2 J ug/L	10 ug/L	MIP-12-20 MIP-20-30	MIP-12-45 MIP-20-45	MIP-12-70 MIP-20-65
	Benzene	0.02 J ug/L	0.1 ug/l	None		
Trip Blank 5/16/03	2-Butanone	3 ug/L	15 ug/L	MIP-23-28 MIP-61-40 MIP-13-70DL MIP-42-25 MIP-54-25 MIP-66-25	MIP-23-36 MIP-61-60 MIP-28-20 MIP-42-45 MIP-54-40 MIP-66-55	MIP-23-46 MIP-61-75 MIP-28-60 MIP-42-60 MIP-54-55 MIP-66-70
	Toluene	0.3 J ug/L	1.5 ug/L	MIP-23-28 MIP-61-40 MIP-13-70DL MIP-28-60 MIP-54-25 MIP-60-25	MIP-23-36 MIP-13-25 MIP-28-20 MIP-42-25 MIP-54-40 MIP-66-25	MIP-23-46 MIP-13-70 MIP-28-40 MIP-42-45 MIP-54-55 MIP-66-55
	Chlorobenzene	0.05 J ug/L	0.15 ug/L	MIP-23-28 MIP-28-40	MIP-61-40 MIP-42-25	MIP-61-75
Trip Blank 1 6/5/03	Methylene Chloride	0.1 J ug/L	0.5 ug/L	MIP-34-15DL MIP-40-35DL	MIP-34-40DL	MIP-40-25
	4-Methyl-2-pentanone	0 07 J ug/L	0.35 ug/l	MIP-34-40 MIP-40-35	MIP-34-40DL	MIP-34-55
	Chlorobenzene	0.06 J ug/L	0.3 ug/L	MIP-34-15 MIP-40-35	MIP-34-15DL	MIP-34-40DL
Trip Blank 2 6/11/03	Benzene	0.02 J ug/L	0.1 ug/L			
	Trichloroethene	0 1 J ug/L	0.5 J ug/L	MIP-30-15	MIP-30-35	MIP-30-50
	2-Butanone	9 ug/L	45 ug/L	MIP-30-15 MIP-33-25 MIP-37-30	MIP-30-35 MIP-33-35 MIP-37-50	MIP-33-15 MIP-37-25
Trip Blank 1 6/13/03	Trichloroethene	0.03 J ug/L	0.15 ug/L	MIP-52-33	MIP-52-43	MIP-52-73

TABLE 4

CONTAMINANTS DETECTED IN FIELD QUALITY CONTOL BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Field ID	Compound	Concentration	Action Level	Results Within Action Level		
Trip Blank 6/20/03	2-Butanone	2 J ug/L	10 ug/L	MIP-11-20	MIP-11-20DL	MIP-11-50
				MIP-18-40	MIP-19-25	MIP-19-45
				MIP-24-25	MIP-24-35	MIP-24-55
				MIP-25-35	MIP-25-45	MIP-26-25
				MIP-26-35	MIP-26-58	MIP-31-20
				MIP-31-40	MIP-31-60	MIP-35-25
				MIP-35-40	MIP-39-20	MIP-39-60
				MIP-39-60DL	MIP-39-70	MIP-39-70DL
				MIP-43-25	MIP-43-35	MIP-43-70
				MIP-44-25	MIP-44-40	MIP-44-55DL
				MIP-46-25	MIP-46-55	MIP-46-75
				MIP-48-36RE	MIP-50-20	MIP-50-30
				MIP-50-50	MIP-64-25	MIP-64-25DL
				MIP-64-30	MIP-64-40	MIP-67-40
	Tetrachloroethene	0.05 J ug/L	0.25 ug/L	MIP-15-20DL	MIP-19-45	MIP-25-25
				MIP-25-35	MIP-25-45	MIP-39-20
				MIP-39-60	MIP-39-70	MIP-39-70DL
				MIP-46-75	MIP-48-36RE	MIP-50-50
				MIP-64-40	MIP-65-25	
EB-062003	m,p-Xylene	0 07 J ug/L	0.35 ug/L	MIP-18-25	MIP-18-40	MIP-18-65
				MIP-19-25	MIP-19-25DL	MIP-19-45
				MIP-25-25	MIP-26-25	MIP-26-35
				MIP-26-58	MIP-31-20	MIP-31-40
				MIP-31-60	MIP-35-25	MIP-35-40
				MIP-39-60	MIP-39-60DL	MIP-39-70
				MIP-43-25	MIP-43-35	MIP-43-70
				MIP-44-25	MIP-46-25	MIP-46-75
				MIP-50-20	MIP-50-30	MP-51-40
				MIP-51-50	MIP-64-25	MIP-64-25DL
				MIP-64-30	MIP-64-40	

TABLE 4

CONTAMINANTS DETECTED IN FIELD QUALITY CONTOL BLANKS
MAY & JUNE 2003 GROUNDWATER SAMPLING EVENT
DAYTON THERMAL PRODUCTS

Field ID	Compound	Concentration	Action Level	Results Within Action Level		
EB-062003 (cont.)	Xylenes, total	0.08 J ug/L	0.40 ug/L	MIP-18-25	MIP-18-40	MIP-19-25
				MIP-19-25DL	MIP-19-45	MIP-26-25
				MIP-26-35	MIP-26-58	MIP-31-20
				MIP-31-40	MIP-31-60	MIP-35-25
				MIP-35-40	MIP-39-60	MIP-39-60DL
				MIP-39-70	MIP-43-25	MIP-43-35
				MIP-43-70	MIP-46-25	MIP-46-75
				MIP-48-36RE	MIP-50-20	MIP-50-30
				MIP-51-40	MIP-51-50	MIP-64-25
				MIP-64-25DL	MIP-64-30	MIP-64-40

NOTES:

Compounds determined to be false positives due to laboratory contamination were not included in the table
The five times rule was used determine the action level for field quality control blanks.

COMPUCHEM

a division of Liberty Analytical Corp.

May 20, 2003

Earth Tech
~~CHRYSLER~~ 5/21/03
36133 Schoolcraft Road
Attn: Justin Kelley
Livonia, MI 48150

received 5-22-03

Subject:
Report of Data – Project: ET03031 Quote #: Q2974 SDG #: Q2974

ten VOCs

Attn.: Earth Tech

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,

Marlene A. Smyst

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER OF PAGES 28

501 Madison Avenue ■ Cary, N C 27513 ■ Tel 919-379-4100 ■ Fax 919-379-4050

SAMPLENUM	CLIENTID	QUOTENUMREF	LOGINNUM	MATNUM	ACCTNUM	PROJECTNUM	RECEIVEDATE
Q2974-9	M1P-12-20	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03
Q2974-8	M1P-12-45	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03
Q2974-7	M1P-12-70	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03
Q2974-3	M1P-14-30	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03
Q2974-2	M1P-14-48	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03
Q2974-1	M1P-14-68	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03
Q2974-6	M1P-20-30	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03
Q2974-5	M1P-20-45	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03
Q2974-4	M1P-20-65	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03
Q2974-10	TRIP BLANK1	Q2974	Q2974	WA	CHRYSLER	ET03031	5/14/03

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #Q2974

SAMPLE IDENTIFICATIONS: M1P-14-68 M1P-14-48(DL) M1P-14-30(DL) M1P-20-65(DL) M1P-20-45(DL) M1P-20-30(DL) M1P-12-70 M1P-12-45 M1P-12-20 TRIPBLANK1

The ten water samples listed above were received at 7 8 degrees C, with proper documentation, in sealed shipping containers, on May 14, 2003. All samples were submitted for volatile only analysis, and were prepared and analyzed following SW846 Method 8260B. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # Q2974 are included in the sample data sections.
Analysis holding time requirements were met for all of these samples, and sample pH values were only less than 2.0 for M1P-20-45, TRIP BLANK1, and M1P-20-30.

The volatile target analytes acetone, 1,1-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, 2-butanone, chloroform, 1,1,1-trichloroethane, benzene, toluene, xylenes, trichloroethene, and tetrachloroethene were the most frequently identified above the reporting limits in the submitted samples.

Based on screen data, sample M1P-14-68 was initially analyzed at a dilutions, and for this sample we have only reported the one diluted run. Samples M1P-14-48, M1P-14-30, M1P-20-65, M1P-20-45, and M1P-20-30 exceeded calibration limits for trichloroethene in the initial neat analysis. These samples were reanalyzed at appropriate dilutions, and for these samples we have reported both neat, and diluted analyses. The screen Reconstructed Ion Chromatogram(RIC) for M1P-14-68 is included in the sample data package immediately following the RIC for the sample's reportable run.

No instrument blank separated the analyses of concurrently analyzed samples M1P-20-30, M1P-14-48, M1P-14-30, M1P-20-65, and M1P-20-45 all of which contained trichloroethene at levels outside of calibration limits. Due to the fact that we are providing diluted reanalyses of all of these samples with all analytes within calibration limits, we are reporting the data with reference to this qualifier.
The one reported diluted analysis of M1P-14-68 contained trichloroethene at 302 ng on column which is slightly below the mid-point of the calibration at 312 ng. The laboratory interprets these results to be within the precison of the method, and the sample was not reanalyzed at a lesser dilution.

There is no Form VII in the deliverables package for the tune batch analyzed on instument 73(05/19/03), associated with the corresponding BFB injected at 01:53. This tune batch included an initial calibration sequence and the relavent relative response factors are all displayed on the Form VI. The initial calibration met all acceptance criteria, and as required by SW-846, the mean relative response factors from the initial calibration standards could therefore be used to quantitate target analytes in the samples analyzed within that 12-hour tune batch. The initial calibration curve for each target analyte is required to be verified once every 12 hours "after" the tune batch during which the initial calibration sequence was run. In this situation, a calibration verification standard and it's associated Form VII are not required.

No Tentatively Identified Compounds (TICs) were searched at the request of the client.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples, and all of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all QC criteria, and did not contain any target analytes above the reporting limits.
No matrix spikes were generated per client request, however the associated Laboratory Control Samples (LCSs) met all accuracy criteria

Manual Quantitations were performed on some of the process files in the asssociated initial and continuing calibrations. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package, and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Roy Sutton
Case Reviewer
May 20, 2003

CompuChem
a Division of Liberty Analytical Corp

GC/MS VOA Batch Sheet - Water

IP 250/460/462/475/480B/483

Method

Batch # _____ 3

SAMPLENUM	CLIENTID	LOGINNUM	pH	Time	Date	INST #	Operator	H/T	Volume	Bottle #	Report	Comments
Q2974-1	M1P-14-68	Q2974	7	1522	5-15	71	2473		25ml	1	SH/CS/DI	TC Ethane 9004 ng
Q2974-2	M1P-14-48	Q2974	4	1548						1	DI	TC Ethane 8344 ng
Q2974-3	M1P-14-30	Q2974	3	1619						1	DI	TC [illegible]
Q2974-4	M1P-20-65	Q2974	6	1641						1	DI	TC [illegible]
Q2974-5	M1P-20-45	Q2974	1	1708						1	DI	TC [illegible]
Q2974-6	M1P-20-30	Q2974	~~145~~	1455						1	DI	TC [illegible]
Q2974-7	M1P-12-70	Q2974	7	1734						1	~~DI~~ CS	~~Trichloroethene [illegible] ng~~
Q2974-8	M1P-12-45	Q2974	6	1800						1	CS	
Q2974-9	M1P-12-20	Q2974	6	1819						1	CS	
Q2974-10	TRIP BLANK1	Q2974	~~143~~	1413						1		
WG24320-1	VBLKUP			1212	5-15	71	2473		25ml		IM/SM	
WG24320-2	VBLKUQ		–	0516	5-16	73	2513		25ml			
WG24320-3	VBLKUR											
WG24320-4	VUPLCS			1329	5-15	71	2473		25ml			
WG24320-5	VUQLCS		–	0543	5-16	73	2513		25ml			
WG24320-6	VURLCS											
WG24320-1R				1250	5-15	71	2473		25ml			
~~Q2974-6D~~									~~400ul~~			
Q2974-1D			7	0737	5-20	73	2513	800ul	10ml	2		
Q2974-2D			4	0823				850ul	10ml	2		
3D			3	0820				500ul	750ul	2		
4D			6	0917				300ul	450ul	2		
5D			1	0949				200ul	350ul	2		
7R			7	0730				25ml	25ml	2		
8R			6	0702				25ml	25ml	2		
9R			6	0636				25ml	25ml	2		
6D			1	1010				25ml	←	2		

5/20/03

HT 5-27

TCL3CT 1MITBE

DUE 5 20

6/27/01 rmh

COMPUCHEM

Work Group Report (wk02)

15-MAY-03 10 34 AM

Work Group: WG24320

Department: 435 MS/VOA ANALYSIS **Created:** 15-MAY-03

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
Q2974-1	M1P-14-68	VOA-8260B-25ML	Water	14-MAY-03		
Q2974-10	TRIP BLANK1	VOA-8260B-25ML	Water	14-MAY-03		
Q2974-2	M1P-14-48	VOA-8260B-25ML	Water	14-MAY-03		
Q2974-3	M1P-14-30	VOA-8260B-25ML	Water	14-MAY-03		
Q2974-4	M1P-20-65	VOA-8260B-25ML	Water	14-MAY-03		
Q2974-5	M1P-20-45	VOA-8260B-25ML	Water	14-MAY-03		
Q2974-6	M1P-20-30	VOA-8260B-25ML	Water	14-MAY-03		
Q2974-7	M1P-12-70	VOA-8260B-25ML	Water	14-MAY-03		
Q2974-8	M1P-12-45	VOA-8260B-25ML	Water	14-MAY-03		
Q2974-9	M1P-12-20	VOA-8260B-25ML	Water	14-MAY-03		
WG24320-1	VBLKUP	VOA-8260B-25ML	Water	15-MAY-03		
WG24320-2	VBLKUQ	VOA-8260B-25ML	Water	15-MAY-03		
WG24320-3	VBLKUR	VOA-8260B-25ML	Water	15-MAY-03		
WG24320-4	VUPLCS	VOA-8260B-25ML	Water	15-MAY-03		
WG24320-5	VUQLCS	VOA-8260B-25ML	Water	15-MAY-03		
WG24320-6	VURLCS	VOA-8260B-25ML	Water	15-MAY-03		

Comments

Q2974-1	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Q2974-10	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Q2974-2	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Q2974-3	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Q2974-4	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Q2974-5	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Q2974-6	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Q2974-7	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Q2974-8	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Q2974-9	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY

Internal Chain of Custody

Relinquished By	Date	Received By	Date	Reason
Cooler #2B	5-15-03	JAO	5-15-03	analysis 1300
JAO	5-15-03	Cooler #2B	5-15-03	storage 1700

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
GC Laboratory				
Restek	RTX-1701	0.53	0.5	30
J & W	DB-608	0.53	0.83	30
Restek	CLPesticides	0.53	0.5	30
Restek	CLPesticides II	0.53	0.42	30
GC Volatiles Laboratory				
Restek	RTX-1	0.53	0.5	105
Restek	RTX-502.2	0.53	0.5	105
GC/MS Volatiles Laboratory				
J & W	DB-624	0.53	3.0	30/75
J & W	DB-624	0.25	1.4	60
J & W	DB-624	0.32	1.8	60
Restek	RTX-624	0.32	1.8	60
Restek	RTX-VMS*	0.18	1.0	20
Supelco	SPB-624	0.32	1.4	60
Supelco	Equity™-624	0.53	3.0	75
Zebron	ZB-624	0.32	1.8	60
GC/MS Semivolatiles Laboratory				
Restek	RTX-5MS	0.25	0.25	30
Restek	RTX-5MS	0.32	0.25	30
HPLC Laboratory				
Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
Restek	Pinnacle Cyano	4.6	5.0	25 cm
Restek	Allure C18	4.6	5.0	25 cm

*Note: The RTX-VMS column is currently not used for EPA CLP analyses.

TRAPS

GC and GC/MS Volatiles Laboratory	
Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating) * 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons) * 6 cm of Carboxen 1000 (Carbon molecular sieves) * 1 cm of Carboxen 1001 (Carbon molecular sieves)

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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 manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations 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 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 a 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 documents require 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 6 (3/25/02)

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. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

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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COMMERCIAL RECEIVING LOG

ient. Earth Tech / Chrysler
oject Dayton Thermal VOCs & soils
uote Q2974
ogin No Q2974
ubcontract? Y / (N)
AT Verbal _____ Report 6 days

Rec'd Date: 5-14-03
Courier: Fed Ex
Airbill No 8 318 808 158 27

PPS/RFA ET03031

Lab Instructions
VOC 8260B 25ml c-list = TCL3CT+MTBE, sub
LCS only

ooler Rec'd By: B. Bailey
ample Login By: [signature]
emperature: 7.8 °C
yanide Samples checked for sulfide & chlorine? Y / (NA)
henol Samples checked for chlorine? Y / (NA)
eceived in Good Condition? (Y) / N
f no, explain

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	Parameters: No & Type (VOC)	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH
Q2974-1	MIP-14-68		WA	5/13	1300	3-40ml															
-2	MIP-14-48				1320																
-3	MIP-14-30				1335																
-4	MIP-20-65				1600																
-5	MIP-20-45				1630																
-6	MIP-20-30				1700																
-7	MIP-12-70				1840																
-8	MIP-12-45				1900																
-9	MIP-12-20				1915																
-10	Trip Blank 1				—	2-40ml															

[signature] 5/14/03

Container Type Abbreviations 40ml (40ml vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

HL-6 28(1) rev

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QUALITY ASSURANCE NOTICE

Client _____
Case # _____
Type of Analysis VOC H2O
Receipt Date 5-14-03

For some organic and/or inorganic determinations temperature preservation at 4 degrees Celsius is required for environmental samples during shipment to the laboratory and prior to analysis. A temperature tolerance range is generally allowed. Temperature of a representative sample from the shipping container is taken and recorded by the receiving clerk at the time of sample receipt. This temperature is representative of all samples contained in the cooler. The EPA CLP program requires the laboratory make notification when the temperature exceeds 10 degrees Celsius. The State of North Carolina allows a range of 2-4.4° Celsius. Notification to other clients is either client or project dependent.

Samples that are hand delivered to the laboratory immediately after collection may not meet this criteria. In these cases, the samples shall be considered acceptable if there is evidence that the chilling process has begun, such as arrival on ice.

The temperature of this sample at the time of receipt was determined to be 7.8°C.

A CompuChem customer service representative contacted the client. The client instructed the Receiving department to:

~~Hand Delivery~~/Received on ice ✓

Analyze - qualify with notice _____

Dispose - client will resample _____

Supervisor Signature/ID [signature] Date 5/14/03

QAN-R-3
020205

qanr3 – 2/5/02 dce

DAIMLERCHRYSLER

Chain-of-Custody

№ 00356 A

CompuChem 501 Madison Avenue Cary NC 27513 Phone Number (919) 379-4100 Fax Number (919) 379-4040	Project Name: Dex - Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET C3031 DaimlerChrysler PM: Gary Stanczuk	Consultant: ~~Rob Stenson~~ Equitu Tech Address: 4135 Technology Pkwy Sheboygan, WI 53083 Consultant PM: Rob Stenson Phone: 920-451-2407 Fax: 920-458-0550	

Turn-around Time Request: (circle)
24 calendar hrs
48 calendar hrs
7 calendar days
(14) calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level (1)
DaimlerChrysler Level 2
CLP

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed - Sediment; O - Other (specify) _____

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Compound List-Parameter/Method/Bottle Type/Preservative: 60 VS	Remarks
*MIP-14-66	5/13/03	1300	G	GW	3	X	*Received at 3-40ml larger than pea size air bubble cfb 5/14/03
*MIP-14-48	↓	1320	↓	↓	↓	X	*Received 1-40ml smaller than pea size air bubble cfb 5/14/03
MIP-14-30		1335				X	
*MIP-20-65		1600				X	*Received 1-40ml with larger than pea size air bubble one 1-40ml with pea size air bubble. cfb 5/14/03
MIP-20-45		1630				X	
MIP-20-30		1700				X	
*MIP-12-70		1840				X	*Received 1-40ml with larger than pea size air bubble cfb 5/14/03
*MIP-12-45		1900				X	
*MIP-12-20	↓	1915	↓	↓	↓	X	*Received 2-40ml with pea size air bubble. cfb 5/14/03
Trip Blank/Trip Blank (1) ← named "TRIPBLANK 1" because future shipments will contain trip blanks/ need to distinguish. (1) done 5/14/03							

Sampler(s): PD	Cooler ID #:			Samples Relinquished under Airbill No:			Temperature (corrected): 7.8 C
	Relinquished by: D. December	Date: 5/13/03	Time: 19:40	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes (No)	Relinquished by:	Date:	Time:	Received for Laboratory by: Sherrie Baily	Date: 5-14-03	Time: 10:00	Custody Seal Intact? (Yes) No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy - Data package; Yellow - Retained by laboratory; Pink - Retained by sampler

Revision No. 3
Created July 9, 1999

COMPUCHEM

Login Chain of Custody Report (In01)

May. 14, 2003 *04 42 PM*

Login Number: Q2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Q2974-1	M1P-14-68	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	3	Bottles	
Q2974-2	M1P-14-48	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	3	Bottles	
Q2974-3	M1P-14-30	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	3	Bottles	
Q2974-4	M1P-20-65	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	3	Bottles	
Q2974-5	M1P-20-45	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	3	Bottles	
Q2974-6	M1P-20-30	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	3	Bottles	
Q2974-7	M1P-12-70	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	3	Bottles	
Q2974-8	M1P-12-45	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	3	Bottles	
Q2974-9	M1P-12-20	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	3	Bottles	

Signature :

Date : 5/14/03

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COMPUCHEM

Login Chain of Custody Report (In01)

May. 14, 2003 *04 42 PM*

Login Number: Q2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Q2974-10	TRIP BLANK1	13-MAY-03	14-MAY-03	3	20-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold	27-MAY-03	40ml vial	2	Bottles	

Signature : Cally Dore

Date : 5/14/03

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-12-20

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-9RC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.2	J
67-64-1	Acetone	3	5	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	0.4	J
156-59-2	cis-1,2-Dichloroethene	0.5	0.3	J
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	JB
107-06-2	1,2-Dichloroethane	0.5	0.2	J
79-01-6	Trichloroethene	0.5	0.03	J
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3	1	JB
108-88-3	Toluene	0.5	0.3	JB
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3	4	B
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.02	J
100-41-4	Ethylbenzene	0.5	0.06	J
108-38-3	m,p-Xylene	1	0.1	J
95-47-6	o-Xylene	0.5	0.06	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-12-20

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-9RC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.05	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.2	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-12-45

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-8RC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5	0.2	J
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.2	J
67-64-1	Acetone	3	7	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.07	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	3	
156-59-2	cis-1,2-Dichloroethene	0.5	2	
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	JB
107-06-2	1,2-Dichloroethane	0.5	1	
79-01-6	Trichloroethene	0.5	0.06	J
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3	0.5	JB
108-88-3	Toluene	0.5	0.5	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3	2	JB
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.1	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-12-45

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-8RC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	0.5	0.05	J
75-25-2---------	Bromoform	0.5		U
79-34-5---------	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7-------	Xylene (total)	0.5	0.3	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-12-70

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-7RC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5	0.2	J
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.09	J
67-64-1	Acetone	3	9	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.1	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	2	
156-59-2	cis-1,2-Dichloroethene	0.5	3	
78-93-3	2-butanone	3	7	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.7	B
107-06-2	1,2-Dichloroethane	0.5	1	
79-01-6	Trichloroethene	0.5	0.05	J
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.9	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3	2	JB
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-12-70

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-7RC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.05	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.4	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-30

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-3A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.4	J
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	3	
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.2	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	2	
156-59-2	cis-1,2-Dichloroethene	0.5	3	
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5	0.5	
71-55-6	1,1,1-Trichloroethane	0.5	8	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	510	E
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.6	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5	0.2	J
127-18-4	Tetrachloroethene	0.5	45	E
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.08	J
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.3	J
95-47-6	o-Xylene	0.5	0.08	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-30

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-3A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.08	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.4	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-30DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-3DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 50.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	25		U
75-01-4	Vinyl Chloride	25		U
74-83-9	Bromomethane	25		U
75-00-3	Chloroethane	25		U
75-35-4	1,1-Dichloroethene	25	5	DJ
75-15-0	Carbon disulfide	25		U
67-64-1	Acetone	130		U
75-09-2	Methylene Chloride	25	7	DJB
156-60-5	trans-1,2-Dichloroethene	25		U
1634-04-4	Methyl-tert-butyl ether	25		U
75-34-3	1,1-Dichloroethane	25		U
156-59-2	cis-1,2-Dichloroethene	25	3	DJ
78-93-3	2-butanone	130		U
67-66-3	Chloroform	25		U
71-55-6	1,1,1-Trichloroethane	25		U
56-23-5	Carbon Tetrachloride	25		U
71-43-2	Benzene	25	2	DJB
107-06-2	1,2-Dichloroethane	25		U
79-01-6	Trichloroethene	25	790	D
78-87-5	1,2-Dichloropropane	25		U
75-27-4	Bromodichloromethane	25		U
10061-01-5	cis-1,3-Dichloropropene	25		U
108-10-1	4-Methyl-2-pentanone	130		U
108-88-3	Toluene	25	5	DJB
10061-02-6	trans-1,3-Dichloropropene	25		U
79-00-5	1,1,2-Trichloroethane	25		U
127-18-4	Tetrachloroethene	25	28	D
591-78-6	2-hexanone	130		U
124-48-1	Dibromochloromethane	25		U
108-90-7	Chlorobenzene	25		U
100-41-4	Ethylbenzene	25		U
108-38-3	m,p-Xylene	50		U
95-47-6	o-Xylene	25		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-30DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-3DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 50.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	25		U
75-25-2	Bromoform	25		U
79-34-5	1,1,2,2-Tetrachloroethane	25		U
1330-20-7	Xylene (total)	25		U

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-48

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-2A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.4	J
75-15-0	Carbon disulfide	0.5	0.09	J
67-64-1	Acetone	3	4	
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.2	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	2	
156-59-2	cis-1,2-Dichloroethene	0.5	4	
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5	0.3	J
71-55-6	1,1,1-Trichloroethane	0.5	6	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	330	E
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.9	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	12	
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-48

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-2A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.1	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-48DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-2DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 29.4

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	15		U
75-01-4	Vinyl Chloride	15		U
74-83-9	Bromomethane	15		U
75-00-3	Chloroethane	15		U
75-35-4	1,1-Dichloroethene	15		U
75-15-0	Carbon disulfide	15		U
67-64-1	Acetone	74	40	DJB
75-09-2	Methylene Chloride	15	4	DJB
156-60-5	trans-1,2-Dichloroethene	15		U
1634-04-4	Methyl-tert-butyl ether	15		U
75-34-3	1,1-Dichloroethane	15		U
156-59-2	cis-1,2-Dichloroethene	15	4	DJ
78-93-3	2-butanone	74		U
67-66-3	Chloroform	15		U
71-55-6	1,1,1-Trichloroethane	15		U
56-23-5	Carbon Tetrachloride	15		U
71-43-2	Benzene	15	1	DJB
107-06-2	1,2-Dichloroethane	15		U
79-01-6	Trichloroethene	15	390	D
78-87-5	1,2-Dichloropropane	15		U
75-27-4	Bromodichloromethane	15		U
10061-01-5	cis-1,3-Dichloropropene	15		U
108-10-1	4-Methyl-2-pentanone	74		U
108-88-3	Toluene	15	3	DJB
10061-02-6	trans-1,3-Dichloropropene	15		U
79-00-5	1,1,2-Trichloroethane	15		U
127-18-4	Tetrachloroethene	15	10	DJ
591-78-6	2-hexanone	74		U
124-48-1	Dibromochloromethane	15		U
108-90-7	Chlorobenzene	15		U
100-41-4	Ethylbenzene	15		U
108-38-3	m,p-Xylene	29		U
95-47-6	o-Xylene	15		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-48DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-2DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 29.4

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	15		U
75-25-2	Bromoform	15		U
79-34-5	1,1,2,2-Tetrachloroethane	15		U
1330-20-7	Xylene (total)	15		U

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-68

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-1DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 31.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	16		U
75-01-4	Vinyl Chloride	16		U
74-83-9	Bromomethane	16		U
75-00-3	Chloroethane	16		U
75-35-4	1,1-Dichloroethene	16		U
75-15-0	Carbon disulfide	16		U
67-64-1	Acetone	78	54	JB
75-09-2	Methylene Chloride	16	5	JB
156-60-5	trans-1,2-Dichloroethene	16		U
1634-04-4	Methyl-tert-butyl ether	16		U
75-34-3	1,1-Dichloroethane	16		U
156-59-2	cis-1,2-Dichloroethene	16	4	J
78-93-3	2-butanone	78		U
67-66-3	Chloroform	16		U
71-55-6	1,1,1-Trichloroethane	16		U
56-23-5	Carbon Tetrachloride	16		U
71-43-2	Benzene	16	1	JB
107-06-2	1,2-Dichloroethane	16		U
79-01-6	Trichloroethene	16	380	
78-87-5	1,2-Dichloropropane	16		U
75-27-4	Bromodichloromethane	16		U
10061-01-5	cis-1,3-Dichloropropene	16		U
108-10-1	4-Methyl-2-pentanone	78		U
108-88-3	Toluene	16	4	JB
10061-02-6	trans-1,3-Dichloropropene	16		U
79-00-5	1,1,2-Trichloroethane	16		U
127-18-4	Tetrachloroethene	16	10	J
591-78-6	2-hexanone	78		U
124-48-1	Dibromochloromethane	16		U
108-90-7	Chlorobenzene	16		U
100-41-4	Ethylbenzene	16	1	J
108-38-3	m,p-Xylene	31	2	J
95-47-6	o-Xylene	16		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-14-68

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-1DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 31.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	16		U
75-25-2	Bromoform	16		U
79-34-5	1,1,2,2-Tetrachloroethane	16		U
1330-20-7	Xylene (total)	16	2	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-30

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-6A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.6	
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	2	J
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.2	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	2	
156-59-2	cis-1,2-Dichloroethene	0.5	2	
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5	1	
71-55-6	1,1,1-Trichloroethane	0.5	15	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	1000	E
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.5	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5	0.4	J
127-18-4	Tetrachloroethene	0.5	5	
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.04	J
100-41-4	Ethylbenzene	0.5	0.09	J
108-38-3	m,p-Xylene	1	0.1	J
95-47-6	o-Xylene	0.5		U

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-30

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-6A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.1	J

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-30DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-6DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 100.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	50		U
75-01-4	Vinyl Chloride	50		U
74-83-9	Bromomethane	50		U
75-00-3	Chloroethane	50		U
75-35-4	1,1-Dichloroethene	50		U
75-15-0	Carbon disulfide	50		U
67-64-1	Acetone	250	140	DJB
75-09-2	Methylene Chloride	50	13	DJB
156-60-5	trans-1,2-Dichloroethene	50		U
1634-04-4	Methyl-tert-butyl ether	50		U
75-34-3	1,1-Dichloroethane	50		U
156-59-2	cis-1,2-Dichloroethene	50		U
78-93-3	2-butanone	250		U
67-66-3	Chloroform	50		U
71-55-6	1,1,1-Trichloroethane	50		U
56-23-5	Carbon Tetrachloride	50		U
71-43-2	Benzene	50	3	DJB
107-06-2	1,2-Dichloroethane	50		U
79-01-6	Trichloroethene	50	2100	D
78-87-5	1,2-Dichloropropane	50		U
75-27-4	Bromodichloromethane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
108-10-1	4-Methyl-2-pentanone	250		U
108-88-3	Toluene	50	9	DJB
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
127-18-4	Tetrachloroethene	50	7	DJ
591-78-6	2-hexanone	250		U
124-48-1	Dibromochloromethane	50		U
108-90-7	Chlorobenzene	50	2	DJ
100-41-4	Ethylbenzene	50		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	50		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-30DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-6DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 100.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
1330-20-7	Xylene (total)	50		U

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-45

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-5A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.7	
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	3	
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.3	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	2	
156-59-2	cis-1,2-Dichloroethene	0.5	2	
78-93-3	2-butanone	3	7	
67-66-3	Chloroform	0.5	1	
71-55-6	1,1,1-Trichloroethane	0.5	14	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	1100	E
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.7	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5	0.4	J
127-18-4	Tetrachloroethene	0.5	16	
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.03	J
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-45

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-5A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.05	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.2	J

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-45DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-5DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 125.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	63		U
75-01-4	Vinyl Chloride	63		U
74-83-9	Bromomethane	63		U
75-00-3	Chloroethane	63		U
75-35-4	1,1-Dichloroethene	63	17	DJ
75-15-0	Carbon disulfide	63		U
67-64-1	Acetone	310	170	DJB
75-09-2	Methylene Chloride	63	17	DJB
156-60-5	trans-1,2-Dichloroethene	63		U
1634-04-4	Methyl-tert-butyl ether	63		U
75-34-3	1,1-Dichloroethane	63		U
156-59-2	cis-1,2-Dichloroethene	63		U
78-93-3	2-butanone	310		U
67-66-3	Chloroform	63		U
71-55-6	1,1,1-Trichloroethane	63		U
56-23-5	Carbon Tetrachloride	63		U
71-43-2	Benzene	63	4	DJB
107-06-2	1,2-Dichloroethane	63		U
79-01-6	Trichloroethene	63	2100	D
78-87-5	1,2-Dichloropropane	63		U
75-27-4	Bromodichloromethane	63		U
10061-01-5	cis-1,3-Dichloropropene	63		U
108-10-1	4-Methyl-2-pentanone	310		U
108-88-3	Toluene	63	10	DJB
10061-02-6	trans-1,3-Dichloropropene	63		U
79-00-5	1,1,2-Trichloroethane	63		U
127-18-4	Tetrachloroethene	63	16	DJ
591-78-6	2-hexanone	310		U
124-48-1	Dibromochloromethane	63		U
108-90-7	Chlorobenzene	63		U
100-41-4	Ethylbenzene	63		U
108-38-3	m,p-Xylene	130		U
95-47-6	o-Xylene	63		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-45DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-5DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 125.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	63		U
75-25-2	Bromoform	63		U
79-34-5	1,1,2,2-Tetrachloroethane	63		U
1330-20-7	Xylene (total)	63		U

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-65

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-4A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.6	
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	7	
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5	0.2	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	3	
156-59-2	cis-1,2-Dichloroethene	0.5	2	
78-93-3	2-butanone	3	7	
67-66-3	Chloroform	0.5	0.9	
71-55-6	1,1,1-Trichloroethane	0.5	12	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	920	E
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.9	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5	0.3	J
127-18-4	Tetrachloroethene	0.5	19	
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.5	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-65

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-4A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.1	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.5	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-65DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-4DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 83.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	42		U
75-01-4	Vinyl Chloride	42		U
74-83-9	Bromomethane	42		U
75-00-3	Chloroethane	42		U
75-35-4	1,1-Dichloroethene	42		U
75-15-0	Carbon disulfide	42		U
67-64-1	Acetone	210	120	DJB
75-09-2	Methylene Chloride	42	15	DJB
156-60-5	trans-1,2-Dichloroethene	42		U
1634-04-4	Methyl-tert-butyl ether	42		U
75-34-3	1,1-Dichloroethane	42		U
156-59-2	cis-1,2-Dichloroethene	42	3	DJ
78-93-3	2-butanone	210		U
67-66-3	Chloroform	42		U
71-55-6	1,1,1-Trichloroethane	42		U
56-23-5	Carbon Tetrachloride	42		U
71-43-2	Benzene	42	3	DJB
107-06-2	1,2-Dichloroethane	42		U
79-01-6	Trichloroethene	42	1700	D
78-87-5	1,2-Dichloropropane	42		U
75-27-4	Bromodichloromethane	42		U
10061-01-5	cis-1,3-Dichloropropene	42		U
108-10-1	4-Methyl-2-pentanone	210		U
108-88-3	Toluene	42	8	DJB
10061-02-6	trans-1,3-Dichloropropene	42		U
79-00-5	1,1,2-Trichloroethane	42		U
127-18-4	Tetrachloroethene	42	19	DJ
591-78-6	2-hexanone	210		U
124-48-1	Dibromochloromethane	42		U
108-90-7	Chlorobenzene	42	2	DJ
100-41-4	Ethylbenzene	42		U
108-38-3	m,p-Xylene	83	6	DJ
95-47-6	o-Xylene	42		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-20-65DL

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-4DC73

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 83.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	42		U
75-25-2---------	Bromoform	42		U
79-34-5---------	1,1,2,2-Tetrachloroethane	42		U
1330-20-7-------	Xylene (total)	42	6	DJ

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK1

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-10A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	2	J
75-09-2	Methylene Chloride	0.5	0.1	JB
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	2	J
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.02	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.2	JB
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK1

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: Q2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: Q2974-10A71

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VUPLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-4A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	4	
75-01-4	Vinyl Chloride	0.5	4	
74-83-9	Bromomethane	0.5	4	
75-00-3	Chloroethane	0.5	4	
75-35-4	1,1-Dichloroethene	0.5	4	
75-15-0	Carbon disulfide	0.5	4	
67-64-1	Acetone	3	16	
75-09-2	Methylene Chloride	0.5	4	B
156-60-5	trans-1,2-Dichloroethene	0.5	4	
1634-04-4	Methyl-tert-butyl ether	0.5	3	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	19	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	5	
56-23-5	Carbon Tetrachloride	0.5	5	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	4	
78-87-5	1,2-Dichloropropane	0.5	4	
75-27-4	Bromodichloromethane	0.5	4	
10061-01-5	cis-1,3-Dichloropropene	0.5	4	
108-10-1	4-Methyl-2-pentanone	3	22	
108-88-3	Toluene	0.5	5	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	6	
591-78-6	2-hexanone	3	20	
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	6	
100-41-4	Ethylbenzene	0.5	5	
108-38-3	m,p-Xylene	1	11	
95-47-6	o-Xylene	0.5	6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VUPLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-4A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	5	
75-25-2	Bromoform	0.5	4	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7	Xylene (total)	0.5	18	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VUQLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-5C73

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	4	
75-01-4	Vinyl Chloride	0.5	4	
74-83-9	Bromomethane	0.5	5	
75-00-3	Chloroethane	0.5	5	
75-35-4	1,1-Dichloroethene	0.5	4	
75-15-0	Carbon disulfide	0.5	4	
67-64-1	Acetone	3	21	B
75-09-2	Methylene Chloride	0.5	4	B
156-60-5	trans-1,2-Dichloroethene	0.5	5	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	24	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	5	
56-23-5	Carbon Tetrachloride	0.5	4	
71-43-2	Benzene	0.5	5	B
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5	5	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	24	B
108-88-3	Toluene	0.5	5	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	5	
591-78-6	2-hexanone	3	18	B
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	5	
108-38-3	m,p-Xylene	1	10	
95-47-6	o-Xylene	0.5	5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VUQLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-5C73

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	5	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7	Xylene (total)	0.5	15	

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

	CLIENT SAMPLE NO.	SMC1 (DBF)#	SMC2 (DCE)#	SMC3 (TOL)#	SMC4 (BFB)#	TOT OUT
01	VBLKUP	82	96	87	103	0
02	VUPLCS	100	101	126	108	0
03	TRIP BLANK1	108	117	118	120	0
04	M1P-20-30	117	115	119	116	0
05	M1P-14-48	130	126	123	124	0
06	M1P-14-30	105	107	123	121	0
07	M1P-20-65	120	119	120	119	0
08	M1P-20-45	125	124	131	124	0
09	VBLKUQ	105	103	106	96	0
10	VUQLCS	92	90	93	91	0
11	M1P-12-20	97	96	95	97	0
12	M1P-12-45	102	104	104	99	0
13	M1P-12-70	104	104	110	110	0
14	M1P-14-68	95	99	94	88	0
15	M1P-14-48DL	104	105	100	94	0
16	M1P-14-30DL	102	100	97	100	0
17	M1P-20-65DL	110	109	104	99	0
18	M1P-20-45DL	106	105	102	99	0
19	M1P-20-30DL	103	105	99	100	0
20						
21						
22						
23						
24						
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(65-150)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(59-150)
SMC3 (TOL)	= Toluene-d8	(61-145)
SMC4 (BFB)	= Bromofluorobenzene	(63-143)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A
WATER VOLATILE LAB CONTROL SAMPLE

VUPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	3.51	70	50-141
Vinyl Chloride	5.00	4.16	83	49-142
Bromomethane	5.00	4.10	82	54-150
Chloroethane	5.00	4.20	84	61-150
1,1-Dichloroethene	5.00	4.17	83	50-150
Carbon disulfide	5.00	4.31	86	50-150
Acetone	25.00	16.13	64	50-142
Methylene Chloride	5.00	4.12	82	50-149
trans-1,2-Dichloroethen	5.00	4.22	84	60-143
Methyl-tert-butyl ether	5.00	3.38	68	50-150
1,1-Dichloroethane	5.00	4.64	93	63-140
cis-1,2-Dichloroethene	5.00	4.81	96	58-148
2-butanone	25.00	19.14	76	50-150
Chloroform	5.00	4.88	98	57-146
1,1,1-Trichloroethane	5.00	4.61	92	58-150
Carbon Tetrachloride	5.00	4.72	94	50-150
Benzene	5.00	5.41	108	76-134
1,2-Dichloroethane	5.00	5.26	105	58-143
Trichloroethene	5.00	3.72	74	71-143
1,2-Dichloropropane	5.00	4.19	84	59-138
Bromodichloromethane	5.00	4.07	81	63-139
cis-1,3-Dichloropropene	5.00	3.69	74	56-142
4-Methyl-2-pentanone	25.00	21.63	86	50-145
Toluene	5.00	5.46	109	70-137
trans-1,3-Dichloroprope	5.00	5.38	108	61-135
1,1,2-Trichloroethane	5.00	5.30	106	60-133
Tetrachloroethene	5.00	5.91	118	59-150
2-hexanone	25.00	19.59	78	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VUPLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	5.08	102	69-136
Chlorobenzene	5.00	5.52	110	74-136
Ethylbenzene	5.00	5.37	107	63-136
Styrene	5.00	5.40	108	62-133
Bromoform	5.00	4.45	89	58-144
1,1,2,2-Tetrachloroetha	5.00	4.86	97	43-139
Xylene (total)	15.00	17.88	119	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VUQLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	4.49	90	50-141
Vinyl Chloride	5.00	4.44	89	49-142
Bromomethane	5.00	4.54	91	54-150
Chloroethane	5.00	4.71	94	61-150
1,1-Dichloroethene	5.00	4.30	86	50-150
Carbon disulfide	5.00	4.41	88	50-150
Acetone	25.00	20.65	83	50-142
Methylene Chloride	5.00	4.48	90	50-149
trans-1,2-Dichloroethen	5.00	4.62	92	60-143
Methyl-tert-butyl ether	5.00	5.07	101	50-150
1,1-Dichloroethane	5.00	4.88	98	63-140
cis-1,2-Dichloroethene	5.00	4.85	97	58-148
2-butanone	25.00	24.17	97	50-150
Chloroform	5.00	4.84	97	57-146
1,1,1-Trichloroethane	5.00	4.50	90	58-150
Carbon Tetrachloride	5.00	4.43	89	50-150
Benzene	5.00	4.72	94	76-134
1,2-Dichloroethane	5.00	5.11	102	58-143
Trichloroethene	5.00	4.52	90	71-143
1,2-Dichloropropane	5.00	4.93	99	59-138
Bromodichloromethane	5.00	4.98	100	63-139
cis-1,3-Dichloropropene	5.00	4.99	100	56-142
4-Methyl-2-pentanone	25.00	23.81	95	50-145
Toluene	5.00	4.64	93	70-137
trans-1,3-Dichloroprope	5.00	5.23	105	61-135
1,1,2-Trichloroethane	5.00	5.10	102	60-133
Tetrachloroethene	5.00	4.64	93	59-150
2-hexanone	25.00	18.24	73	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VUQLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	4.96	99	69-136
Chlorobenzene	5.00	4.89	98	74-136
Ethylbenzene	5.00	4.77	95	63-136
Styrene	5.00	5.00	100	62-133
Bromoform	5.00	5.08	102	58-144
1,1,2,2-Tetrachloroetha	5.00	5.30	106	43-139
Xylene (total)	15.00	15.16	101	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKUP

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Lab File ID: WG24320-1RA71 Lab Sample ID: WG24320-1

Date Analyzed: 05/15/03 Time Analyzed: 1250

GC Column: SPB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP71

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VUPLCS	WG24320-4	WG24320-4A71	1329
02	TRIP BLANK1	Q2974-10	Q2974-10A71	1413
03	M1P-20-30	Q2974-6	Q2974-6A71	1455
04	M1P-14-48	Q2974-2	Q2974-2A71	1548
05	M1P-14-30	Q2974-3	Q2974-3A71	1615
06	M1P-20-65	Q2974-4	Q2974-4A71	1641
07	M1P-20-45	Q2974-5	Q2974-5A71	1708
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COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKUP

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-1RA71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3		U
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.06	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKUP

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-1RA71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/15/03

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKUQ

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Lab File ID: WG24320-2C73 Lab Sample ID: WG24320-2

Date Analyzed: 05/20/03 Time Analyzed: 0516

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP73

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VUQLCS	WG24320-5	WG24320-5C73	0543
02	M1P-12-20	Q2974-9	Q2974-9RC73	0636
03	M1P-12-45	Q2974-8	Q2974-8RC73	0703
04	M1P-12-70	Q2974-7	Q2974-7RC73	0730
05	M1P-14-68	Q2974-1	Q2974-1DC73	0757
06	M1P-14-48DL	Q2974-2	Q2974-2DC73	0823
07	M1P-14-30DL	Q2974-3	Q2974-3DC73	0850
08	M1P-20-65DL	Q2974-4	Q2974-4DC73	0917
09	M1P-20-45DL	Q2974-5	Q2974-5DC73	0944
10	M1P-20-30DL	Q2974-6	Q2974-6DC73	1010
11				
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COMMENTS:

FORM IV VOA

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKUQ

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-2C73

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	1	J
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.03	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3	0.6	J
108-88-3	Toluene	0.5	0.06	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3	2	J
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKUQ

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2974

Matrix: (soil/water) WATER Lab Sample ID: WG24320-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24320-2C73

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

FORM I VOA 8260B

COMPUCHEM

a division of Liberty Analytical Corp.

May 27, 2003

Earth Tech
~~CHRYSLER~~ 5/27/03
36133 Schoolcraft Road
Attn. Justin Kelley
Livonia, MI 48150

1 BTEX

Subject:
Report of Data – Project: ET03031 Quote #: Q2974 SDG #. R2974

Attn.: Earth Tech

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

TOTAL NUMBER OF PAGES 17

Attachment

501 Madison Avenue ■ Cary, N.C. 27513 ■ Tel: 919-379-4100 ■ Fax. 919-379-4050

SAMPLENUM	CLIENTID	QUOTENUMREF	LOGINNUM	MATNUM	ACCTNUM	PROJECTNUM	RECEIVEDATE
R2974-1	WMSOIL-051303-001	Q2974	R2974	SO	CHRYSLER	ET03031	5/14/03

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #R2974

SAMPLE IDENTIFICATIONS: WMSOIL-051303-001(RE)

The one soil sample listed above was received intact, in EnCore samplers, at 5.7 degrees C, with chain of custody documentation, in sealed shipping containers, on May 14, 2003. The sample was submitted for volatile, and metals analysis
The volatile fraction was prepared, and analyzed following SW846 Method 8260B, and this portion of the SDG narrative will only cover the volatile data. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # R2974 are included in the sample data sections. Analysis holding time requirements were met this sample, and the percent moisture was measured at 12 percent.

None of the requested target analytes were identified in this sample above the reporting limits, and all of the internal standards failed low for response in the initial analysis. The sample was reanalyzed and the internal standards again failed low for response, and we have reported both runs to document matrix interference

No searches were conducted for Tentatively Identified Compounds (TICs) per client request.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds(SMCs) met recovery criteria in the analyses of this sample, and all of the internal standards met response and retention time criteria in the analyses of this sample(except as noted above).

The associated method blank met all QC criteria, and did not contain any target analytes above the reporting limits.

No duplicate matrix spikes were generated per client request, however the associated Laboratory Control Sample(LCS) met all accuracy criteria.

Manual quantitations were performed on the process files in the associated initial and continuing calibration(s), and in the initial analysis of this sample. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Roy Sutton
Case Reviewer
May 27, 2003

CompuChem
a Division of Liberty Analytical Corp

GC/MS VOA Batch Sheet - Soils

SPP--115 / -223 / -243

Method S 5260B - ENCORE

Batch # _____

SAMPLENUM	CLIENTID	LOGINNUM	Wt	Time	Date	INST #	Operator	H/T	Volume	Report	Comments
R2974-1	WMSOIL-051303-001	R2974	~~5.75~~ 6.13	1637	5-23-03 ~~5-10-03~~	61	7323			3L	Bad page?
WG24319-1	VBLKUM										
WG24319-2	VBLKUN										
WG24319-3	VBLKUO										
WG24319-4	VUMLCS										
WG24319-5	VUNLCS										
WG24319-6	VUOLCS										
R2974-1R			6.01	2014	5.26.03	61	7327			IL	ES

HT 5-27

Due 5-27

BTEX Only

6/27/01 rmh

COMPUCHEM

Work Group Report (wk02)

15-MAY-03 10:24 AM

Work Group: WG24319

Department: 435 MS/VOA ANALYSIS **Created:** 15-MAY-03

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
R2974-1	WMSOIL-051303-00	VOA-LL-8260B-ENCORE	Soil	14-MAY-03		
WG24319-1	VBLKUM	VOA-LL-8260B-ENCORE	Soil	15-MAY-03		
WG24319-2	VBLKUN	VOA-LL-8260B-ENCORE	Soil	15-MAY-03		
WG24319-3	VBLKUO	VOA-LL-8260B-ENCORE	Soil	15-MAY-03		
WG24319-4	VUMLCS	VOA-LL-8260B-ENCORE	Soil	15-MAY-03		
WG24319-5	VUNLCS	VOA-LL-8260B-ENCORE	Soil	15-MAY-03		
WG24319-6	VUOLCS	VOA-LL-8260B-ENCORE	Soil	15-MAY-03		

Comments

R2974-1 RFA ET03031**VOC 8260B BTEX ONLY**RCRA METALS**LCS ONLY

Internal Chain of Custody

Relinquished By	Refac	Date	5-26-3	Received By	Ru	Date	13:10	Reason	Analysis
Relinquished By	Ru	Date	5-26-3	Received By	Refac	Date	18:30	Reason	Tag
Relinquished By		Date		Received By		Date		Reason	
Relinquished By		Date		Received By		Date		Reason	
Relinquished By		Date		Received By		Date		Reason	
Relinquished By		Date		Received By		Date		Reason	
Relinquished By		Date		Received By		Date		Reason	
Relinquished By		Date		Received By		Date		Reason	

5-27-3

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
GC Laboratory				
Restek	RTX-1701	0.53	0.5	30
J & W	DB-608	0.53	0.83	30
Restek	CLPesticides	0.53	0.5	30
Restek	CLPesticides II	0.53	0.42	30
GC Volatiles Laboratory				
Restek	RTX-1	0.53	0.5	105
Restek	RTX-502.2	0.53	0.5	105
GC/MS Volatiles Laboratory				
J & W	DB-624	0.53	3.0	30/75
J & W	DB-624	0.25	1.4	60
J & W	DB-624	0.32	1.8	60
Restek	RTX-624	0.32	1.8	60
Restek	RTX-VMS*	0.18	1.0	20
Supelco	SPB-624	0.32	1.4	60
Supelco	Equity™-624	0.53	3.0	75
Zebron	ZB-624	0.32	1.8	60
GC/MS Semivolatiles Laboratory				
Restek	RTX-5MS	0.25	0.25	30
Restek	RTX-5MS	0.32	0.25	30
HPLC Laboratory				
Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
Restek	Pinnacle Cyano	4.6	5.0	25 cm
Restek	Allure C18	4.6	5.0	25 cm

*Note: The RTX-VMS column is currently not used for EPA CLP analyses.

TRAPS

GC and GC/MS Volatiles Laboratory	
Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating) * 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons) * 6 cm of Carboxen 1000 (Carbon molecular sieves) * 1 cm of Carboxen 1001 (Carbon molecular sieves)

CompuChem

a division of Liberty Analytical Corporation

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations 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 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 a 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 documents require 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 6 (3/25/02)

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. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

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.

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Page 1 of 1

Client: Earth Tech / Chrysler	Rec'd Date: 5-14-03	PPS/RFA ET03031
Project: Dayton Thermal VOCs & SOILS	Courier: Fed Ex	Lab Instructions
Quote: Q2974	Airbill No. 8 3188 6815 8827	
Login No. R2974		
Subcontract? Y / N		
TAT Verbal Report 13 days		

Cooler Rec'd By: J. Bailey	
Sample Login By: [illegible]	
Temperature: 5.7 °C	
Cyanide Samples checked for sulfide & chlorine? Y / NA	
Phenol Samples checked for chlorine? Y / NA	
Received in Good Condition? Y / N	
If no, explain:	

Parameters: Metals; ~~VOC~~ ~~BTEX~~ ~~Cn~~ % Moist.; VOC BTEX

CompuChem ID	Client ID	QC	Matrix	Date 20 03	Military Time	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No. & Type	pH	No. & Type	pH	No & Type	pH
R2974-1	WMSOIL-051303-01		SO	5/13	11:30AM	2-4oz		1-2oz		3-5gEnCo											

5/14/03

Container Type Abbreviations 40ml (40ml vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

rH - 6/28/01 dcc

DAIMLERCHRYSLER

Chain-of-Custody

№ 00357 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number: (919) 379-4040	Project Name: DCX - DAYTON THERMAL Site Location: DAYTON, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: GARY STANCZUK	Consultant: EARTH TECH Address: 4135 TECHNOLOGY PARKWAY SHEBOYGAN, WI. 53083 Consultant PM: ROB STENSON Phone: 920-451-2407 Fax: 920-458-0550	

Turn-around Time Request: (circle)
24 calendar hrs
48 calendar hrs.
7 calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Matrix Codes:
S - Soil, SW - Surface Water, GW - Groundwater, A - Air, Sed. - Sediment, O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	METALS (2-4oz Jars)	VOCs [BTEX] (1-2oz)	VOCs (5g Encore)							Remarks
WMS01L-057305-001	5/13/03	11:30AM	G	S	6	2	1	3							

Sampler(s): SC	Cooler ID #			Samples Relinquished under Airbill No			Temperature (corrected) 5.7 °C
	Relinquished by: STEVE CERVI	Date: 5/13/03	Time: 6:30 pm	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: Jeanne Bailey	Date: 5-14-03	Time: 10:00	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

COMPUCHEM

Login Chain of Custody Report (ln01)

May. 14, 2003 *04:41 PM*

Login Number: R2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
R2974-1	WMSOIL-051303-001	13-MAY-03	14-MAY-03	3	27-MAY-03	RFA ET03031**VOC 8260B BTEX ONLY**RCRA METALS**LCS ONLY
Soil	S %MOISTURE-UNDECA	Hold: 27-MAY-03	2oz jar	1	Bottles	
Soil	S METALS-7471A/6010B	Hold: 10-JUN-03	4oz jar	2	Bottles	
Soil	S VOA-LL-8260B-ENCOR	Hold: 27-MAY-03	40ml vial-5g encore	3	Bottles	

Signature : [signature]

Date : 5/14/03

10

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WMSOIL-0
51303-001

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2974

Matrix: (soil/water) SOIL Lab Sample ID: R2974-1

Sample wt/vol: 6.13(g/mL) G Lab File ID: R2974-1A61

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. 12 Date Analyzed: 05/26/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/KG	Q
71-43-2	Benzene	5		U
108-88-3	Toluene	5		U
100-41-4	Ethylbenzene	5		U
1330-20-7	Xylene (total)	14		U

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WMSOIL-05
1303-001RE

Project: ET03031 Date Sampled: 05/13/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2974

Matrix: (soil/water) SOIL Lab Sample ID: R2974-1

Sample wt/vol: 6.01(g/mL) G Lab File ID: R2974-1RA61

Level: (low/med) LOW Date Received: 05/14/03

% Moisture: not dec. 12 Date Analyzed: 05/26/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/KG	Q
71-43-2	Benzene	5	0.9	J
108-88-3	Toluene	5	2	J
100-41-4	Ethylbenzene	5		U
1330-20-7	Xylene (total)	14		U

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBNLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2974

Matrix: (soil/water) SOIL Lab Sample ID: WG24473-4

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG24473-4A61BTEX

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/26/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/KG	Q
71-43-2	Benzene	5	56	
108-88-3	Toluene	5	57	
100-41-4	Ethylbenzene	5	58	
1330-20-7	Xylene (total)	15	170	

FORM I VOA 8260B

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2974

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DBF)#	SMC2 (DCE)#	SMC3 (TOL)#	SMC4 (BFB)#	TOT OUT
01	VBLKBN	95	100	92	91	0
02	VBNLCS	102	103	103	95	0
03	WMSOIL-05130	86	97	75	93	0
04	WMSOIL-05130	106	106	82	94	0
05						
06						
07						
08						
09						
10						
11						
12						
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24						
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(71-141)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(70-139)
SMC3 (TOL)	= Toluene-d8	(72-123)
SMC4 (BFB)	= Bromofluorobenzene	(65-131)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B
SOIL VOLATILE LAB CONTROL SAMPLE

VBNLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2974

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Benzene	50.00	56.29	112	50-150
Toluene	50.00	57.00	114	50-150
Ethylbenzene	50.00	57.85	116	50-150
Xylene (total)	150.0	169.4	113	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III VOA-2

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKBN

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2974

Lab File ID: WG24473-1A61BTEX Lab Sample ID: WG24473-1

Date Analyzed: 05/26/03 Time Analyzed: 1232

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5973HP61

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBNLCS	WG24473-4	WG24473-4A61	1259
02	WMSOIL-05130	R2974-1	R2974-1A61	1637
03	WMSOIL-05130	R2974-1	R2974-1RA61	2014
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
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22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM IV VOA

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBN

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2974

Matrix: (soil/water) SOIL Lab Sample ID: WG24473-1

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG24473-1A61BTEX

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/26/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/KG	Q
71-43-2	Benzene	5		U
108-88-3	Toluene	5		U
100-41-4	Ethylbenzene	5		U
1330-20-7	Xylene (total)	15		U

COMPUCHEM
a division of Liberty Analytical Corp.

May 23, 2003

Earth Tech
CHRYSLER
36133 Schoolcraft Road
Attn: Justin Kelley
Livonia, MI 48150

20 VOAs
on tric

Subject:
Report of Data – Project: ET03031 Quote #: Q2974 SDG #: S2974

Attn.: Earth Tech

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

501 Madison Avenue ■ Cary, N C. 27513 ■ Tel. 919-379-4100 ■ Fax 919-379-4050

SAMPLENUM	CLIENTID	QUOTENUMREF	LOGINNUM	MATNUM	ACCTNUM	PROJECTNUM	RECEIVEDATE
S2974-12	M1P-13-25	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-11	M1P-13-50	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-10	M1P-13-70	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-19	M1P-22-69	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-20	M1P-22-69DUP	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-3	M1P-28-20	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-2	M1P-28-40	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-1	M1P-28-60	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-6	M1P-42-25	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-5	M1P-42-45	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-4	M1P-42-60	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-9	M1P-54-25	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-8	M1P-54-40	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-7	M1P-54-55	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-15	M1P-60-25	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-14	M1P-60-45	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-13	M1P-60-60	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-18	M1P-66-25	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-17	M1P-66-55	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03
S2974-16	M1P-66-70	Q2974	S2974	WA	CHRYSLER	ET03031	5/17/03

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #S2974

SAMPLE IDENTIFICATIONS: M1P-28-60 M1P-28-40 M1P-28-20 M1P-42-60 M1P-42-45 M1P-42-25 M1P-54-55 M1P-54-40 M1P-54-25 M1P-13-70(DL) M1P-13-50 M1P-13-25 M1P-60-60 M1P-60-45 M1P-60-25 M1P-66-70 M1P-66-55 M1P-66-25 M1P-22-69 M1P-22-69DUP

The twenty water samples listed above were received intact at 2.1 degrees C, with proper documentation, in sealed shipping containers, on May 17, 2003. All samples were submitted for volatile only analysis, and were prepared and analyzed following SW846 Method 8260B. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # S2974 are included in the sample data sections.
Analysis holding time requirements were met for all of these samples, and sample pH values were all less than 2 0.

The volatile target analytes acetone, cis-1,2-dichloroethene, 2-butanone, 1,1,1-trichloroethane, benzene, toluene, xylenes, trichloroethene, and tetrachloroethene were the most frequently identified above the reporting limits in the submitted samples.

Based on screen data, samples M1P-13-50, M1P-13-25, M1P-60-60, M1P-60-45, M1P-22-69, and M1P-22-69DUP were initially analyzed at dilutions, and for these samples we have only reported the one diluted run. Based on the trend for high level analytes in these samples, M1P-13-70, and M1P-60-25 were also initially analyzed at dilutions, and M1P-60-25 met all dilution criteria. Sample M1P-13-70 still contained trichloroethene at levels that exceeded calibration limits, and the sample was reanalyzed at an appropriately higher dilution, and for this sample we have reported two diluted analyses The screen Reconstructed Ion Chromatograms(RICs) are included in the sample data package immediately following the RIC for the sample's reportable run

The one reported diluted analyses of samples M1P-60-25, and M1P-22-69 contained trichloroethene respectively at 301, and 271 ng on column which is below the mid-point of the calibration at 312 ng. The laboratory interprets these results to be within the precison of the method, and the sample was not reanalyzed at a lesser dilution.

No Tentatively Identified Compounds (TICs) were searched at the request of the client.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples, and all of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all QC criteria, and did not contain any target analytes above the reporting limits. The associated instrument blank contained chloroethane slightly above the reporting limits, however the two samples(M1P-13-70, and M1P-13-70DL) that this instrument blank separated did not contain this analyte above the reporting limits
No matrix spikes were generated per client request, however the associated Laboratory Control Samples (LCSs) met all accuracy criteria.

Manual Quantitations were performed on some of the process files in the asssociated initial and continuing calibrations. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package, and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Roy Sutton
Case Reviewer
May 23, 2003

CompuChem
a Division of Liberty Analytical Corp

GC/MS VOA Batch Sheet - Water

IP 250/460/462/475/480B/483

Method W8260B -2 5ml Chrysler

Batch # _____

SAMPLENUM	CLIENTID	LOGINNUM	pH	Time	Date	INST #	Operator	H/T	Volume	Bottle #	Report	Comments
S2974-1	M1P-28-60	S2974	1	1628	5-20-3	62	2323		2ml	1	✓	
S2974-2	M1P-28-40	S2974	1	1655					1.5ml	1	✓	
S2974-3	M1P-28-20	S2974	1	1722					1ml	1	✓	
S2974-4	M1P-42-60	S2974	1	1749					2ml	1	✓	
S2974-5	M1P-42-45	S2974	1	1816						1	✓	25 ml
S2974-6	M1P-42-25	S2974	1	2059						1	✓	25 ml
S2974-7	M1P-54-55	S2974	1	2142						1	✓	25 ml
S2974-8	M1P-54-40	S2974	1	2210						1	✓	25 ml
S2974-9	M1P-54-25	S2974	1	2237					12.5ml	1	DW	12.5 ml
S2974-10	M1P-13-70	S2974	1	2304					3ml	1	DW	3ml
S2974-11	M1P-13-50	S2974	1	2332					1ml	1	DW	1ml
S2974-12	M1P-13-25	S2974	1	2359					1ml	1	DW	1
S2974-13	M1P-60-60	S2974	1	0026					120ul	1	DW	.12 ml = 120 µl
S2974-14	M1P-60-45	S2974	1	1801	5-21-3	62	2323		230ul	1	DW	.23 ml = 230 µl
S2974-15	M1P-60-25	S2974	1	1829					1.7ml	1	✓	1.7 ml
S2974-16	M1P-66-70	S2974	1	1856					25ml	1	✓	25 ml
S2974-17	M1P-66-55	S2974	1	1923					20ml	1	DW	20 ml
S2974-18	M1P-66-25	S2974	1	1951					25ml	1	✓	25 ml
S2974-19	M1P-22-69	S2974	1	2018					870ul	1	DW	870 µl
S2974-20	M1P-22-69DUP	S2974	1	2046					1ml	1	DW	1 ml
WG24396-1	VBLKWK			1534	5-20-3	62	2323		2ml		✓	
WG24396-2	VBLKWL			1554	5-21-3	62	2323		2ml		✓	
WG24396-3	VBLKWM											
WG24396-4	VWKLCS			1601	5-20-3	62	2323		2ml		✓	
WG24396-5	VWLLCS				5-21-3	62	2323		2ml			
WG24396-6	VWMLCS											
S2974-9D			1	1357	5-21-3	62	2323		25ml	3	✓	
S2974-10D			1	1424					6ml	3	DW	use 5ml
S2974-11D			1	1440					1.5ml	3	✓	
S2974-12D			1	1507					3ml	3	✓	
S2974-13D			1	1534					200ul	3	✓	
-10D2			1	1613					5ml	3	✓	
-14D			1	1631	5-22	73	2377		200ul	3	✓	
S2974-17D			1	1658					25ml	3	✓	
S2974-19D			1	1724					1.0ml/25ml	3	✓	
S2974-20D			1	1751					200ul/25ml		✓	
~~S2974-14D~~			1									

screened on #55 5/19/03 @ 500ml

HT 1-12 - 5/28
13-20 - 5/29

Dwt 5-23

TCL 3CT HMTAF 5/23/03

6/27/01 rmh

2nd trace full spike

COMPUCHEM

Work Group Report (wk02)

19-MAY-03 10:56 AM

Work Group: WG24396
Department: 435 MS/VOA ANALYSIS **Created:** 19-MAY-03

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
S2974-1	M1P-28-60	VOA-8260B-25ML	Water	17-MAY-03		
S2974-10	M1P-13-70	VOA-8260B-25ML	Water	17-MAY-03		
S2974-11	M1P-13-50	VOA-8260B-25ML	Water	17-MAY-03		
S2974-12	M1P-13-25	VOA-8260B-25ML	Water	17-MAY-03		
S2974-13	M1P-60-60	VOA-8260B-25ML	Water	17-MAY-03		
S2974-14	M1P-60-45	VOA-8260B-25ML	Water	17-MAY-03		
S2974-15	M1P-60-25	VOA-8260B-25ML	Water	17-MAY-03		
S2974-16	M1P-66-70	VOA-8260B-25ML	Water	17-MAY-03		
S2974-17	M1P-66-55	VOA-8260B-25ML	Water	17-MAY-03		
S2974-18	M1P-66-25	VOA-8260B-25ML	Water	17-MAY-03		
S2974-19	M1P-22-69	VOA-8260B-25ML	Water	17-MAY-03		
S2974-2	M1P-28-40	VOA-8260B-25ML	Water	17-MAY-03		
S2974-20	M1P-22-69DUP	VOA-8260B-25ML	Water	17-MAY-03		
S2974-3	M1P-28-20	VOA-8260B-25ML	Water	17-MAY-03		
S2974-4	M1P-42-60	VOA-8260B-25ML	Water	17-MAY-03		
S2974-5	M1P-42-45	VOA-8260B-25ML	Water	17-MAY-03		
S2974-6	M1P-42-25	VOA-8260B-25ML	Water	17-MAY-03		
S2974-7	M1P-54-55	VOA-8260B-25ML	Water	17-MAY-03		
S2974-8	M1P-54-40	VOA-8260B-25ML	Water	17-MAY-03		
S2974-9	M1P-54-25	VOA-8260B-25ML	Water	17-MAY-03		
WG24396-1	VBLKWK	VOA-8260B-25ML	Water	19-MAY-03		
WG24396-2	VBLKWL	VOA-8260B-25ML	Water	19-MAY-03		
WG24396-3	VBLKWM	VOA-8260B-25ML	Water	19-MAY-03		
WG24396-4	VWKLCS	VOA-8260B-25ML	Water	19-MAY-03		
WG24396-5	VWLLCS	VOA-8260B-25ML	Water	19-MAY-03		
WG24396-6	VWMLCS	VOA-8260B-25ML	Water	19-MAY-03		

Comments

S2974-1	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-10	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-11	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-12	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-13	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-14	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-15	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-16	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-17	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-18	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
S2974-19	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-2	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-20	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-3	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-4	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-5	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY
S2974-6	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY

COMPUCHEM

Work Group Report (wk02)

19-MAY-03 10 56 AM

Work Group: WG24396

Department: 435 MS/VOA ANALYSIS **Created:** 19-MAY-03

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
S2974-7	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY					
S2974-8	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY					
S2974-9	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE SUB**LCS ONLY					

Internal Chain of Custody

Relinquished By	Cooler #23	Date 5-20-3	Received By		Date 15:15	Reason	Analysis
Relinquished By		Date 5-20-3	Received By	Cooler #23	Date 23:15	Reason	Trip Blank
Relinquished By	Cooler #23	Date 5-21-3	Received By		Date 00:15	Reason	Analysis
Relinquished By		Date 5-21-3	Received By	Cooler #23	Date 16:25	Reason	Trip Blank
Relinquished By		Date 5-22-03	Received By		Date 1300	Reason	Analysis
Relinquished By		Date	Received By		Date 1330	Reason	Storage
Relinquished By		Date	Received By		Date	Reason	
Relinquished By		Date	Received By		Date	Reason	

5/23/03

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
GC Laboratory				
Restek	RTX-1701	0.53	0.5	30
J & W	DB-608	0.53	0.83	30
Restek	CLPesticides	0.53	0.5	30
Restek	CLPesticides II	0.53	0.42	30
GC Volatiles Laboratory				
Restek	RTX-1	0.53	0.5	105
Restek	RTX-502.2	0.53	0.5	105
GC/MS Volatiles Laboratory				
J & W	DB-624	0.53	3.0	30/75
J & W	DB-624	0.25	1.4	60
J & W	DB-624	0.32	1.8	60
Restek	RTX-624	0.32	1.8	60
Restek	RTX-VMS*	0.18	1.0	20
Supelco	SPB-624	0.32	1.4	60
Supelco	Equity™-624	0.53	3.0	75
Zebron	ZB-624	0.32	1.8	60
GC/MS Semivolatiles Laboratory				
Restek	RTX-5MS	0.25	0.25	30
Restek	RTX-5MS	0.32	0.25	30
HPLC Laboratory				
Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
Restek	Pinnacle Cyano	4.6	5.0	25 cm
Restek	Allure C18	4.6	5.0	25 cm

*Note: The RTX-VMS column is currently not used for EPA CLP analyses.

TRAPS

GC and GC/MS Volatiles Laboratory	
Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating) * 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons) * 6 cm of Carboxen 1000 (Carbon molecular sieves) * 1 cm of Carboxen 1001 (Carbon molecular sieves)

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations 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 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 a 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 documents require 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
Vice President

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. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

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.

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client: Chrysler/Earth Tech	Rec'd Date: 5/17/03	PPS/RFA ET03031
Project: Dayton Thermal	Courier: FED-EX	Lab Instructions
Quote: 02974	Airbill No. 831886815838	VOC 8260B C-list = TCL3CT + MTBE. sub
Login No. 52974		
Subcontract? Y / N		
TAT Verbal Report 6 days		

Cooler Rec'd By:	
Sample Login By:	
Temperature: 2.4 °C	
Cyanide Samples checked for sulfide & chlorine? Y / NA	
Phenol Samples checked for chlorine? Y / NA	
Received in Good Condition? Y / N	
If no, explain:	

Parameters: VOC 8260B

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	No. & Type	pH	No & Type	pH	No. & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH
52974-1	MIP-28-60		H_2O	5/14	09:05	3-40ml													
-2	MIP-28-40				09:45														
-3	MIP-28-20				10:00														
-4	MIP-42-60				11:20														
-5	MIP-42-45				11:55														
-6	MIP-42-25				13:45														
-7	MIP-54-55				16:45														
-8	MIP-54-40				17:05														
-9	MIP-54-25				17:20														
-10	MIP-13-70				18:40														
-11	MIP-13-50				19:00														
-12	MIP-13-25				19:15														
-13	MIP-60-60			5/15	09:30														
-14	MIP-60-45				10:15														
-15	MIP-60-25				11:00														
-16	MIP-66-70				13:00														
-17	MIP-66-55				13:40														
-18	MIP-66-25				14:15														
-19	MIP-22-69				16:45														
-20	MIP-22-69DUP				16:45														

Container Type Abbreviations 40ml(40ml vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client: Chrysler/ET
Project: Dayton Thermal
Quote: 02974
Login No: 52974
Subcontract? Y / N
TAT Verbal Report 6 days

Rec'd Date: 5/17/03
Courier: Fed-Ex
Airbill No. all pg 1 of 2

PPS/RFA ET03031

Lab Instructions

Cooler Rec'd By:
Sample Login By:
Temperature: 2.1 °C
Cyanide Samples checked for sulfide & chlorine? Y / NA
Phenol Samples checked for chlorine? Y / NA
Received in Good Condition? Y / N
If no, explain:

Parameters

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	No. & Type (VOC 826OB)	pH	No & Type	pH	No. & Type	pH	No. & Type	pH	No. & Type	pH	No. & Type	pH	No & Type	pH	No & Type	pH
52974-1	MIP-22-55		H_2O	5/15	17:10	3-40ml															
-2	MIP-22-55DUP				17:10																
-3	MIP-22-30				17:30																
-4	MIP-22-30DUP				17:30																
-5	MIP-61-75			5/16	09:45																
-6	MIP-61-60				10:10																
-7	MIP-61-40				10:30																
-8	MIP-23-46				13:30																
-9	MIP-23-36				13:50																
-10	MIP-23-28				14:15																
-11	TRIPBLANK			5/14	—	1-40ml															

5/17/03

Container Type Abbreviations 40mL(40mL vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER

DAIMLERCHRYSLER

Chain-of-Custody

№ 00318 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number: (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology PKWY, Sheboygan, WI. 53083 Consultant PM: Rob Stenson Phone: 920-451-2407 Fax: 920-458-0550	

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs
(7) calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs								Remarks
MIP-28-60	5/14/03	905	G	GW	3	X								1-40ml vial w/ larger than pea-size air
MIP-28-40		945				X								1-40ml vial w/ larger than pea-size "
MIP-28-20		1000				X								2-40ml vials w/ pea-size airbubble
MIP-42-60		1120				X								all 3-40ml w/ ½ sediment & "large" airbu
MIP-42-45		1155				X								all 3-40ml w/ pea-size airbubbles
MIP-42-25		1345				X								1-40ml w/ pea-size airbubble
MIP-54-55		1645				X								1-40ml w/ pea-size airbubble, 2-40ml > pea-size
MIP-54-40		1705				X								3-40ml w/ pea-size airbubble
MIP-54-25		1720				X								3-40ml w/ > pea-size airbubbles
MIP-13-70		1840				X								3-40ml w/ > pea-size airbubbles

Sampler(s): D December	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2/ C
	Relinquished by: D. December	Date: 5/16/03	Time: 1445	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes (No)	Relinquished by:	Date:	Time:	Received for Laboratory by: [signature]	Date: 5/17/03	Time: 1045	Custody Seal Intact? (Yes) No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy. Data package Yellow . Retained by laboratory Pink. Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00319 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: FT 03031 DaimlerChrysler PM: Gary Stamczuk	Consultant: EarthTech Address: 4135 Technology Pkwy Sheboygan, WI. 53083 Consultant PM Rob Stenson Phone: 920-451-2407 Fax: 920-458 0580	

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative: VOCs

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MIP-13-50	5/14/03	1400	G	GW	3	X									3-40ml w/ pea-size airbubbles
MIP-13-25	5/14/03	1915	G	GW	3	X									3-40ml w/ > pea-size airbubbles
MIP-60-60	5/15/03	930				X									2-40ml w/ pea-size airbubbles; 1-40ml > pea-
MIP-60-45		1015				X									OK
MIP-60-25		1100				X									OK
MIP-66-70		1300				X									3-40ml w/ > pea-size airbubbles ½ sediment
MIP-66-55		1340				X									2-40ml w/ pea-size airbubbles
MIP-66-25		1415				X									OK
MIP-22-69		1645				X									3-40ml w/ > pea-size airbubbles ½ sediment
MIP-22-69 dup		1645				X									3-40ml w/ > pea-size airbubbles ½ sediment

Sampler(s): D. December	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2.1 C
	Relinquished by: D. December	Date: 5/16/03	Time: 1445	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by:	Date: 5/17/03	Time: 1045	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER

Chain-of-Custody

№ 00312 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number: (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code. RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczak	Consultant: Earth Tech Address: 4135 Technology PKWY Sheboygan, WI. 53083 Consultant PM Rob Stanson Phone: 920-451-2407 Fax: 920-458-0550	

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
(7) calendar days *
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level (1)
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

*need trip blank w/ smaller than pea-size air [illegible] 5/17/03

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MIP-22-55	5/15/03	1710	G	GW	3	X									3-40ml w/ > pea-size airbubbles
MIP-22-55 dup	5/15/03	1710				X									1-40ml w/ > pea-size; 2-40ml w/ pea
MIP-22-30	5/15/03	1730				X									OK
MIP-22-30 dup	5/15/03	1730				X									3-40ml w/ < pea-size airbubbles
MIP-61-75	5/16/03	945				X									½ sediment; 3-40ml w/ > pea-size
MIP-61-60	5/16/03	1010				X									3-40ml w/ > pea-size airbubbles
MIP-61-40		1030				X									OK
MIP-23-46		1330				X									1-40ml w/ > pea-size; 2-40ml w/ pea
MIP-23-36		1350				X									3-40ml w/ pea-size
MIP-23-28		1415				X									* + Trip Blank & Temp Blank

Sampler(s) D. December	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 20.1c
	Relinquished by: D. December	Date: 5/16/03	Time: 1445	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes (No)	Relinquished by:	Date:	Time:	Received for Laboratory by: [illegible]	Date: 5/17/03	Time: 1045	Custody Seal Intact? (Yes) No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy Data package Yellow Retained by laboratory Pink. Retained by sampler

Revision No 3
Created July 9, 1999

COMPUCHEM

Login Chain of Custody Report (ln01)

May. 17, 2003 *12:04 PM*

Login Number: S2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
S2974-1	M1P-28-60	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-2	M1P-28-40	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-3	M1P-28-20	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-4	M1P-42-60	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-5	M1P-42-45	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-6	M1P-42-25	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-7	M1P-54-55	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-8	M1P-54-40	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-9	M1P-54-25	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	

Signature : _____

Date : 5/17/03

COMPUCHEM

Login Chain of Custody Report (In01)

May. 17, 2003 *12:04 PM*

Login Number: S2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
S2974-10	M1P-13-70	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-11	M1P-13-50	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-12	M1P-13-25	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	3	Bottles	
S2974-13	M1P-60-60	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
S2974-14	M1P-60-45	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
S2974-15	M1P-60-25	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
S2974-16	M1P-66-70	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
S2974-17	M1P-66-55	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
S2974-18	M1P-66-25	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	

Signature : Cally Dore

Date : 5/17/03

COMPUCHEM

Login Chain of Custody Report (In01)

May. 17, 2003 *12:04 PM*

Login Number: S2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
S2974-19	M1P-22-69	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
S2974-20	M1P-22-69DUP	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	

Signature : Cary Dore

Date : 5/17/03

COMPUCHEM

Login Chain of Custody Report (ln01)

May. 17, 2003 *12:09 PM*

Login Number: T2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
T2974-1	M1P-22-55	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
T2974-2	M1P-22-55DUP	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
T2974-3	M1P-22-30	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
T2974-4	M1P-22-30DUP	15-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 29-MAY-03	40ml vial	3	Bottles	
T2974-5	M1P-61-75	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-6	M1P-61-60	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-7	M1P-61-40	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-8	M1P-23-46	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-9	M1P-23-36	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	

Signature : _____

Date : 5/17/03

COMPUCHEM

Login Chain of Custody Report (In01)

May. 17, 2003 *12:09 PM*

Login Number: T2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
T2974-10	M1P-23-28	16-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 30-MAY-03	40ml vial	3	Bottles	
T2974-11	TRIPBLANK	14-MAY-03	17-MAY-03	3	23-MAY-03	RFA ET03031**VOC 8260B 25ML C-LIST=TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 28-MAY-03	40ml vial	1	Bottles	

Signature : Cathy T. Dory

Date : 5/17/03

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-13-25

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-12

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-12DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 8.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	4		U
75-01-4	Vinyl Chloride	4		U
74-83-9	Bromomethane	4		U
75-00-3	Chloroethane	4		U
75-35-4	1,1-Dichloroethene	4	0.8	J
75-15-0	Carbon disulfide	4		U
67-64-1	Acetone	21	25	
75-09-2	Methylene Chloride	4	1	JB
156-60-5	trans-1,2-Dichloroethene	4	6	
1634-04-4	Methyl-tert-butyl ether	4		U
75-34-3	1,1-Dichloroethane	4	3	J
156-59-2	cis-1,2-Dichloroethene	4	6	
78-93-3	2-butanone	21		U
67-66-3	Chloroform	4		U
71-55-6	1,1,1-Trichloroethane	4		U
56-23-5	Carbon Tetrachloride	4		U
71-43-2	Benzene	4	0.2	J
107-06-2	1,2-Dichloroethane	4		U
79-01-6	Trichloroethene	4	140	
78-87-5	1,2-Dichloropropane	4		U
75-27-4	Bromodichloromethane	4		U
10061-01-5	cis-1,3-Dichloropropene	4		U
108-10-1	4-Methyl-2-pentanone	21		U
108-88-3	Toluene	4	0.8	JB
10061-02-6	trans-1,3-Dichloropropene	4		U
79-00-5	1,1,2-Trichloroethane	4		U
127-18-4	Tetrachloroethene	4	0.9	J
591-78-6	2-hexanone	21		U
124-48-1	Dibromochloromethane	4		U
108-90-7	Chlorobenzene	4		U
100-41-4	Ethylbenzene	4		U
108-38-3	m,p-Xylene	8		U
95-47-6	o-Xylene	4		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-13-25

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-12

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-12DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 8.3

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	4		U
75-25-2	Bromoform	4		U
79-34-5	1,1,2,2-Tetrachloroethane	4		U
1330-20-7	Xylene (total)	4		U

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-13-50

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-11DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 16.7

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	8		U
75-01-4	Vinyl Chloride	8		U
74-83-9	Bromomethane	8	3	J
75-00-3	Chloroethane	8		U
75-35-4	1,1-Dichloroethene	8	3	J
75-15-0	Carbon disulfide	8		U
67-64-1	Acetone	42		U
75-09-2	Methylene Chloride	8	2	JB
156-60-5	trans-1,2-Dichloroethene	8	4	J
1634-04-4	Methyl-tert-butyl ether	8		U
75-34-3	1,1-Dichloroethane	8	4	J
156-59-2	cis-1,2-Dichloroethene	8	7	J
78-93-3	2-butanone	42		U
67-66-3	Chloroform	8		U
71-55-6	1,1,1-Trichloroethane	8		U
56-23-5	Carbon Tetrachloride	8		U
71-43-2	Benzene	8		U
107-06-2	1,2-Dichloroethane	8		U
79-01-6	Trichloroethene	8	260	
78-87-5	1,2-Dichloropropane	8		U
75-27-4	Bromodichloromethane	8		U
10061-01-5	cis-1,3-Dichloropropene	8		U
108-10-1	4-Methyl-2-pentanone	42		U
108-88-3	Toluene	8	2	JB
10061-02-6	trans-1,3-Dichloropropene	8		U
79-00-5	1,1,2-Trichloroethane	8		U
127-18-4	Tetrachloroethene	8	6	J
591-78-6	2-hexanone	42		U
124-48-1	Dibromochloromethane	8		U
108-90-7	Chlorobenzene	8		U
100-41-4	Ethylbenzene	8	0.5	J
108-38-3	m,p-Xylene	17	1	J
95-47-6	o-Xylene	8		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-13-50

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-11DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 16.7

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	8		U
75-25-2	Bromoform	8		U
79-34-5	1,1,2,2-Tetrachloroethane	8		U
1330-20-7	Xylene (total)	8	1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-13-70

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-10DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 4.2

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	2		U
75-01-4	Vinyl Chloride	2	0.3	J
74-83-9	Bromomethane	2		U
75-00-3	Chloroethane	2		U
75-35-4	1,1-Dichloroethene	2	0.8	J
75-15-0	Carbon disulfide	2	0.3	J
67-64-1	Acetone	10	23	
75-09-2	Methylene Chloride	2	0.6	JB
156-60-5	trans-1,2-Dichloroethene	2	2	J
1634-04-4	Methyl-tert-butyl ether	2		U
75-34-3	1,1-Dichloroethane	2	3	
156-59-2	cis-1,2-Dichloroethene	2	6	
78-93-3	2-butanone	10		U
67-66-3	Chloroform	2		U
71-55-6	1,1,1-Trichloroethane	2	1	J
56-23-5	Carbon Tetrachloride	2		U
71-43-2	Benzene	2	0.6	J
107-06-2	1,2-Dichloroethane	2		U
79-01-6	Trichloroethene	2	110	E
78-87-5	1,2-Dichloropropane	2		U
75-27-4	Bromodichloromethane	2		U
10061-01-5	cis-1,3-Dichloropropene	2		U
108-10-1	4-Methyl-2-pentanone	10		U
108-88-3	Toluene	2	1	JB
10061-02-6	trans-1,3-Dichloropropene	2		U
79-00-5	1,1,2-Trichloroethane	2		U
127-18-4	Tetrachloroethene	2	3	
591-78-6	2-hexanone	10		U
124-48-1	Dibromochloromethane	2		U
108-90-7	Chlorobenzene	2		U
100-41-4	Ethylbenzene	2	0.4	J
108-38-3	m,p-Xylene	4	0.8	J
95-47-6	o-Xylene	2	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-13-70

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-10DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 4.2

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	2	0.2	J
75-25-2	Bromoform	2		U
79-34-5	1,1,2,2-Tetrachloroethane	2		U
1330-20-7	Xylene (total)	2	1	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-13-70DL

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-10D2A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	3		U
75-01-4	Vinyl Chloride	3		U
74-83-9	Bromomethane	3	0.5	DJ
75-00-3	Chloroethane	3		U
75-35-4	1,1-Dichloroethene	3	0.4	DJ
75-15-0	Carbon disulfide	3		U
67-64-1	Acetone	13	19	D
75-09-2	Methylene Chloride	3	3	DB
156-60-5	trans-1,2-Dichloroethene	3	1	DJ
1634-04-4	Methyl-tert-butyl ether	3		U
75-34-3	1,1-Dichloroethane	3	3	D
156-59-2	cis-1,2-Dichloroethene	3	5	D
78-93-3	2-butanone	13	8	DJ
67-66-3	Chloroform	3		U
71-55-6	1,1,1-Trichloroethane	3	0.6	DJ
56-23-5	Carbon Tetrachloride	3		U
71-43-2	Benzene	3	0.5	DJ
107-06-2	1,2-Dichloroethane	3		U
79-01-6	Trichloroethene	3	96	D
78-87-5	1,2-Dichloropropane	3		U
75-27-4	Bromodichloromethane	3		U
10061-01-5	cis-1,3-Dichloropropene	3		U
108-10-1	4-Methyl-2-pentanone	13		U
108-88-3	Toluene	3	0.9	DJB
10061-02-6	trans-1,3-Dichloropropene	3		U
79-00-5	1,1,2-Trichloroethane	3		U
127-18-4	Tetrachloroethene	3	2	DJ
591-78-6	2-hexanone	13		U
124-48-1	Dibromochloromethane	3		U
108-90-7	Chlorobenzene	3		U
100-41-4	Ethylbenzene	3	0.2	DJ
108-38-3	m,p-Xylene	5	0.3	DJ
95-47-6	o-Xylene	3		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-13-70DL

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-10D2A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	3		U
75-25-2	Bromoform	3		U
79-34-5	1,1,2,2-Tetrachloroethane	3		U
1330-20-7	Xylene (total)	3	0.3	DJ

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-69

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-19

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-19DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 25.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	13		U
75-01-4	Vinyl Chloride	13		U
74-83-9	Bromomethane	13		U
75-00-3	Chloroethane	13		U
75-35-4	1,1-Dichloroethene	13		U
75-15-0	Carbon disulfide	13		U
67-64-1	Acetone	63	43	JB
75-09-2	Methylene Chloride	13		U
156-60-5	trans-1,2-Dichloroethene	13		U
1634-04-4	Methyl-tert-butyl ether	13		U
75-34-3	1,1-Dichloroethane	13		U
156-59-2	cis-1,2-Dichloroethene	13	7	J
78-93-3	2-butanone	63		U
67-66-3	Chloroform	13		U
71-55-6	1,1,1-Trichloroethane	13		U
56-23-5	Carbon Tetrachloride	13		U
71-43-2	Benzene	13	2	J
107-06-2	1,2-Dichloroethane	13		U
79-01-6	Trichloroethene	13	270	
78-87-5	1,2-Dichloropropane	13		U
75-27-4	Bromodichloromethane	13		U
10061-01-5	cis-1,3-Dichloropropene	13		U
108-10-1	4-Methyl-2-pentanone	63		U
108-88-3	Toluene	13	3	J
10061-02-6	trans-1,3-Dichloropropene	13		U
79-00-5	1,1,2-Trichloroethane	13		U
127-18-4	Tetrachloroethene	13	2	J
591-78-6	2-hexanone	63		U
124-48-1	Dibromochloromethane	13		U
108-90-7	Chlorobenzene	13		U
100-41-4	Ethylbenzene	13		U
108-38-3	m,p-Xylene	25		U
95-47-6	o-Xylene	13		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-69

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-19

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-19DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 25.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	13		U
75-25-2	Bromoform	13		U
79-34-5	1,1,2,2-Tetrachloroethane	13		U
1330-20-7	Xylene (total)	13		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-69DUP

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-20

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-20DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 12.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	6		U
75-01-4	Vinyl Chloride	6		U
74-83-9	Bromomethane	6		U
75-00-3	Chloroethane	6		U
75-35-4	1,1-Dichloroethene	6	1	J
75-15-0	Carbon disulfide	6		U
67-64-1	Acetone	31	29	JB
75-09-2	Methylene Chloride	6		U
156-60-5	trans-1,2-Dichloroethene	6	0.9	J
1634-04-4	Methyl-tert-butyl ether	6		U
75-34-3	1,1-Dichloroethane	6		U
156-59-2	cis-1,2-Dichloroethene	6	7	
78-93-3	2-butanone	31		U
67-66-3	Chloroform	6	0.6	J
71-55-6	1,1,1-Trichloroethane	6		U
56-23-5	Carbon Tetrachloride	6		U
71-43-2	Benzene	6	2	J
107-06-2	1,2-Dichloroethane	6		U
79-01-6	Trichloroethene	6	300	
78-87-5	1,2-Dichloropropane	6		U
75-27-4	Bromodichloromethane	6		U
10061-01-5	cis-1,3-Dichloropropene	6		U
108-10-1	4-Methyl-2-pentanone	31		U
108-88-3	Toluene	6	2	J
10061-02-6	trans-1,3-Dichloropropene	6		U
79-00-5	1,1,2-Trichloroethane	6		U
127-18-4	Tetrachloroethene	6	1	J
591-78-6	2-hexanone	31		U
124-48-1	Dibromochloromethane	6		U
108-90-7	Chlorobenzene	6		U
100-41-4	Ethylbenzene	6	0.5	J
108-38-3	m,p-Xylene	13		U
95-47-6	o-Xylene	6		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-22-69DUP

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-20

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-20DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 12.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	6		U
75-25-2	Bromoform	6		U
79-34-5	1,1,2,2-Tetrachloroethane	6		U
1330-20-7	Xylene (total)	6		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-28-20

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-3A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5	0.2	J
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.2	J
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3		U
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	1	J
67-66-3	Chloroform	0.5	0.3	J
71-55-6	1,1,1-Trichloroethane	0.5	0.3	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.03	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	13	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.07	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.07	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-28-20

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-3A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-28-40

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-2A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3		U
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5	0.05	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5	0.1	J
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5	0.09	J
71-55-6	1,1,1-Trichloroethane	0.5	0.3	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.04	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	13	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.09	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.06	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.04	J
100-41-4	Ethylbenzene	0.5	0.05	J
108-38-3	m,p-Xylene	1	0.09	J
95-47-6	o-Xylene	0.5	0.04	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-28-40

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-2A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.1	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-28-60

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-1A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.2	J
67-64-1	Acetone	3	8	
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5	0.1	J
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	18	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.7	
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.1	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.3	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-28-60

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-1A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.4	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-42-25

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-6A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	13	
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	7	
67-66-3	Chloroform	0.5	0.5	J
71-55-6	1,1,1-Trichloroethane	0.5	0.2	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.6	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	2	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	1	
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.09	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.03	J
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.5	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-42-25

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-6A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.06	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.6	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-42-45

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-5A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.08	J
67-64-1	Acetone	3	7	
75-09-2	Methylene Chloride	0.5	0.2	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	4	
67-66-3	Chloroform	0.5	0.1	J
71-55-6	1,1,1-Trichloroethane	0.5	0.2	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	3	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.7	
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-42-45

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-5A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-42-60

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-4A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	47	
75-09-2	Methylene Chloride	0.5	0.2	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	15	
67-66-3	Chloroform	0.5	0.3	J
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	1	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	0.7	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	2	
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.4	J
108-38-3	m,p-Xylene	1	0.5	J
95-47-6	o-Xylene	0.5	0.3	J

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-42-60

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-4A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.8	

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-54-25

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-9DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	8	
75-09-2	Methylene Chloride	0.5	0.3	JB
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	7	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.4	JB
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.05	J
108-38-3	m,p-Xylene	1	0.08	J
95-47-6	o-Xylene	0.5	0.05	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-54-25

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-9DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-54-40

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-8A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	10	
75-09-2	Methylene Chloride	0.5	0.2	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	7	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.5	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.08	J
108-38-3	m,p-Xylene	1	0.1	J
95-47-6	o-Xylene	0.5	0.06	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-54-40

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-8A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-54-55

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-7A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.1	J
67-64-1	Acetone	3	18	
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5	0.03	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3	9	
67-66-3	Chloroform	0.5	0.03	J
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.5	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.7	
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.1	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-54-55

Project: ET03031 Date Sampled: 05/14/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-7A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.3	J

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-60-25

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-15

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-15A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 14.7

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	7		U
75-01-4	Vinyl Chloride	7	1	J
74-83-9	Bromomethane	7		U
75-00-3	Chloroethane	7		U
75-35-4	1,1-Dichloroethene	7	16	
75-15-0	Carbon disulfide	7		U
67-64-1	Acetone	37	34	J
75-09-2	Methylene Chloride	7	4	JB
156-60-5	trans-1,2-Dichloroethene	7	5	J
1634-04-4	Methyl-tert-butyl ether	7		U
75-34-3	1,1-Dichloroethane	7	9	
156-59-2	cis-1,2-Dichloroethene	7	110	
78-93-3	2-butanone	37		U
67-66-3	Chloroform	7		U
71-55-6	1,1,1-Trichloroethane	7	130	
56-23-5	Carbon Tetrachloride	7		U
71-43-2	Benzene	7		U
107-06-2	1,2-Dichloroethane	7		U
79-01-6	Trichloroethene	7	180	
78-87-5	1,2-Dichloropropane	7		U
75-27-4	Bromodichloromethane	7		U
10061-01-5	cis-1,3-Dichloropropene	7		U
108-10-1	4-Methyl-2-pentanone	37		U
108-88-3	Toluene	7	1	JB
10061-02-6	trans-1,3-Dichloropropene	7		U
79-00-5	1,1,2-Trichloroethane	7		U
127-18-4	Tetrachloroethene	7	58	
591-78-6	2-hexanone	37		U
124-48-1	Dibromochloromethane	7		U
108-90-7	Chlorobenzene	7		U
100-41-4	Ethylbenzene	7		U
108-38-3	m,p-Xylene	15		U
95-47-6	o-Xylene	7		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-60-25

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-15

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-15A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 14.7

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	7		U
75-25-2	Bromoform	7		U
79-34-5	1,1,2,2-Tetrachloroethane	7		U
1330-20-7	Xylene (total)	7		U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-60-45

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-14DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 100.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	50		U
75-01-4	Vinyl Chloride	50		U
74-83-9	Bromomethane	50		U
75-00-3	Chloroethane	50		U
75-35-4	1,1-Dichloroethene	50	88	
75-15-0	Carbon disulfide	50		U
67-64-1	Acetone	250	120	JB
75-09-2	Methylene Chloride	50		U
156-60-5	trans-1,2-Dichloroethene	50	17	J
1634-04-4	Methyl-tert-butyl ether	50		U
75-34-3	1,1-Dichloroethane	50	32	J
156-59-2	cis-1,2-Dichloroethene	50	410	
78-93-3	2-butanone	250		U
67-66-3	Chloroform	50		U
71-55-6	1,1,1-Trichloroethane	50	500	
56-23-5	Carbon Tetrachloride	50		U
71-43-2	Benzene	50		U
107-06-2	1,2-Dichloroethane	50		U
79-01-6	Trichloroethene	50	1300	
78-87-5	1,2-Dichloropropane	50		U
75-27-4	Bromodichloromethane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
108-10-1	4-Methyl-2-pentanone	250		U
108-88-3	Toluene	50	6	J
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
127-18-4	Tetrachloroethene	50	280	
591-78-6	2-hexanone	250		U
124-48-1	Dibromochloromethane	50		U
108-90-7	Chlorobenzene	50		U
100-41-4	Ethylbenzene	50		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	50		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-60-45

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-14DA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 100.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
1330-20-7	Xylene (total)	50		U

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1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-60-60

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-13

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-13DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 100.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	50		U
75-01-4	Vinyl Chloride	50	8	J
74-83-9	Bromomethane	50		U
75-00-3	Chloroethane	50		U
75-35-4	1,1-Dichloroethene	50	30	J
75-15-0	Carbon disulfide	50		U
67-64-1	Acetone	250	160	J
75-09-2	Methylene Chloride	50	26	JB
156-60-5	trans-1,2-Dichloroethene	50	21	J
1634-04-4	Methyl-tert-butyl ether	50		U
75-34-3	1,1-Dichloroethane	50	53	
156-59-2	cis-1,2-Dichloroethene	50	1400	
78-93-3	2-butanone	250		U
67-66-3	Chloroform	50		U
71-55-6	1,1,1-Trichloroethane	50	250	
56-23-5	Carbon Tetrachloride	50		U
71-43-2	Benzene	50		U
107-06-2	1,2-Dichloroethane	50		U
79-01-6	Trichloroethene	50	320	
78-87-5	1,2-Dichloropropane	50		U
75-27-4	Bromodichloromethane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
108-10-1	4-Methyl-2-pentanone	250		U
108-88-3	Toluene	50	7	JB
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
127-18-4	Tetrachloroethene	50	140	
591-78-6	2-hexanone	250		U
124-48-1	Dibromochloromethane	50		U
108-90-7	Chlorobenzene	50		U
100-41-4	Ethylbenzene	50		U
108-38-3	m,p-Xylene	100		U
95-47-6	o-Xylene	50		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-60-60

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-13

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-13DA62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 100.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
1330-20-7	Xylene (total)	50		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-66-25

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-18

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-18A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	7	
75-09-2	Methylene Chloride	0.5	0.3	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.07	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5	0.5	
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.5	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.1	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.07	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-66-25

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-18

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-18A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-66-55

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-17

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-17RA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5	0.2	J
67-64-1	Acetone	3	5	B
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5	0.2	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5	2	
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	15	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.7	
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.07	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.3	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-66-55

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-17

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-17RA73

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.5	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-66-70

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-16A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	48	
75-09-2	Methylene Chloride	0.5	0.4	JB
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5	0.2	J
78-93-3	2-butanone	3	13	
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	2	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	2	
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	4	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5	0.3	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	1	
108-38-3	m,p-Xylene	1	1	
95-47-6	o-Xylene	0.5	0.6	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M1P-66-70

Project: ET03031 Date Sampled: 05/15/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: S2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: S2974-16A62

Level: (low/med) LOW Date Received: 05/17/03

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	0.1	J
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	2	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKAA

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: VIBLKAA

Sample wt/vol: 25 (g/ml) ML Lab File ID: CB030521A62

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5	0.09	J
75-00-3	Chloroethane	0.5	0.5	
75-35-4	1,1-Dichloroethene	0.5	0.08	J
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	2	J
75-09-2	Methylene Chloride	0.5	0.1	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.04	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5	0.3	J
79-01-6	Trichloroethene	0.5	0.03	J
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3	0.3	J
108-88-3	Toluene	0.5		U
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3	0.3	J
124-48-1	Dibromochloromethane	0.5	0.03	J
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5	0.03	J
108-38-3	m,p-Xylene	1	0.07	J
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKAA

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: VIBLKAA

Sample wt/vol: 25 (g/ml) ML Lab File ID: CB030521A62

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5	0.08	J
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5	0.08	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWKLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24396-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24396-4A62

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	4	
75-01-4	Vinyl Chloride	0.5	4	
74-83-9	Bromomethane	0.5	4	
75-00-3	Chloroethane	0.5	4	
75-35-4	1,1-Dichloroethene	0.5	5	
75-15-0	Carbon disulfide	0.5	4	
67-64-1	Acetone	3	26	
75-09-2	Methylene Chloride	0.5	4	
156-60-5	trans-1,2-Dichloroethene	0.5	5	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	4	
78-93-3	2-butanone	3	25	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	5	
56-23-5	Carbon Tetrachloride	0.5	5	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5	4	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	27	
108-88-3	Toluene	0.5	4	
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	4	
591-78-6	2-hexanone	3	28	
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	5	
108-38-3	m,p-Xylene	1	10	
95-47-6	o-Xylene	0.5	5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWKLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24396-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24396-4A62

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	5	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7	Xylene (total)	0.5	15	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWLLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24396-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24396-5A62_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	6	
75-01-4	Vinyl Chloride	0.5	6	
74-83-9	Bromomethane	0.5	5	
75-00-3	Chloroethane	0.5	6	
75-35-4	1,1-Dichloroethene	0.5	7	
75-15-0	Carbon disulfide	0.5	7	
67-64-1	Acetone	3	35	
75-09-2	Methylene Chloride	0.5	6	B
156-60-5	trans-1,2-Dichloroethene	0.5	7	
1634-04-4	Methyl-tert-butyl ether	0.5	6	
75-34-3	1,1-Dichloroethane	0.5	7	
156-59-2	cis-1,2-Dichloroethene	0.5	6	
78-93-3	2-butanone	3	36	
67-66-3	Chloroform	0.5	7	
71-55-6	1,1,1-Trichloroethane	0.5	7	
56-23-5	Carbon Tetrachloride	0.5	7	
71-43-2	Benzene	0.5	7	
107-06-2	1,2-Dichloroethane	0.5	7	
79-01-6	Trichloroethene	0.5	6	
78-87-5	1,2-Dichloropropane	0.5	6	
75-27-4	Bromodichloromethane	0.5	7	
10061-01-5	cis-1,3-Dichloropropene	0.5	6	
108-10-1	4-Methyl-2-pentanone	3	36	
108-88-3	Toluene	0.5	6	B
10061-02-6	trans-1,3-Dichloropropene	0.5	6	
79-00-5	1,1,2-Trichloroethane	0.5	6	
127-18-4	Tetrachloroethene	0.5	6	
591-78-6	2-hexanone	3	35	
124-48-1	Dibromochloromethane	0.5	7	
108-90-7	Chlorobenzene	0.5	6	
100-41-4	Ethylbenzene	0.5	6	
108-38-3	m,p-Xylene	1	13	
95-47-6	o-Xylene	0.5	6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWLLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24396-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24396-5A62_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	0.5	7	
75-25-2---------	Bromoform	0.5	7	
79-34-5---------	1,1,2,2-Tetrachloroethane	0.5	7	
1330-20-7-------	Xylene (total)	0.5	20	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWOLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24398-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24398-5RA73

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5	7	
75-01-4	Vinyl Chloride	0.5	7	
74-83-9	Bromomethane	0.5	6	
75-00-3	Chloroethane	0.5	4	
75-35-4	1,1-Dichloroethene	0.5	6	
75-15-0	Carbon disulfide	0.5	7	
67-64-1	Acetone	3	28	B
75-09-2	Methylene Chloride	0.5	5	
156-60-5	trans-1,2-Dichloroethene	0.5	6	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	6	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	28	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	6	
56-23-5	Carbon Tetrachloride	0.5	6	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5	6	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	24	
108-88-3	Toluene	0.5	5	
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	6	
591-78-6	2-hexanone	3	23	
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	6	
108-38-3	m,p-Xylene	1	11	
95-47-6	o-Xylene	0.5	6	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VWOLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24398-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24398-5RA73

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5	6	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7	Xylene (total)	0.5	17	

FORM I VOA 8260B

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

	CLIENT SAMPLE NO.	SMC1 (DBF)#	SMC2 (DCE)#	SMC3 (TOL)#	SMC4 (BFB)#	TOT OUT
01	VBLKWK	86	85	89	95	0
02	VWKLCS	86	87	89	95	0
03	M1P-28-60	87	88	94	102	0
04	M1P-28-40	98	97	92	102	0
05	M1P-28-20	101	104	98	101	0
06	M1P-42-60	93	96	89	98	0
07	M1P-42-45	91	89	87	95	0
08	M1P-42-25	99	99	88	102	0
09	M1P-54-55	86	87	77	89	0
10	M1P-54-40	96	98	87	103	0
11	VBLKWL	107	115	105	104	0
12	VWLLCS	121	113	112	113	0
13	M1P-54-25	110	110	104	109	0
14	M1P-13-70	94	95	89	95	0
15	VIBLKAA	115	116	102	107	0
16	M1P-13-70DL	101	101	88	95	0
17	M1P-13-50	115	120	96	101	0
18	M1P-13-25	124	125	105	111	0
19	M1P-60-60	110	113	91	90	0
20	M1P-60-25	112	114	90	100	0
21	M1P-66-70	114	118	105	128	0
22	M1P-66-25	104	103	83	84	0
23	VBLKWO	107	103	108	103	0
24	VWOLCS	104	101	110	102	0
25	M1P-60-45	105	108	103	100	0
26	M1P-66-55	104	105	103	100	0
27	M1P-22-69	111	116	110	113	0
28	M1P-22-69DUP	109	113	113	107	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(65-150)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(59-150)
SMC3 (TOL)	= Toluene-d8	(61-145)
SMC4 (BFB)	= Bromofluorobenzene	(63-143)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	4.08	82	50-141
Vinyl Chloride	5.00	3.99	80	49-142
Bromomethane	5.00	3.60	72	54-150
Chloroethane	5.00	3.87	77	61-150
1,1-Dichloroethene	5.00	4.62	92	50-150
Carbon disulfide	5.00	4.47	89	50-150
Acetone	25.00	26.25	105	50-142
Methylene Chloride	5.00	4.02	80	50-149
trans-1,2-Dichloroethen	5.00	4.64	93	60-143
Methyl-tert-butyl ether	5.00	4.71	94	50-150
1,1-Dichloroethane	5.00	4.64	93	63-140
cis-1,2-Dichloroethene	5.00	4.41	88	58-148
2-butanone	25.00	25.42	102	50-150
Chloroform	5.00	4.69	94	57-146
1,1,1-Trichloroethane	5.00	4.67	93	58-150
Carbon Tetrachloride	5.00	4.81	96	50-150
Benzene	5.00	4.60	92	76-134
1,2-Dichloroethane	5.00	4.66	93	58-143
Trichloroethene	5.00	4.65	93	71-143
1,2-Dichloropropane	5.00	4.25	85	59-138
Bromodichloromethane	5.00	4.55	91	63-139
cis-1,3-Dichloropropene	5.00	4.65	93	56-142
4-Methyl-2-pentanone	25.00	26.92	108	50-145
Toluene	5.00	4.33	87	70-137
trans-1,3-Dichloroprope	5.00	4.76	95	61-135
1,1,2-Trichloroethane	5.00	4.74	95	60-133
Tetrachloroethene	5.00	4.32	86	59-150
2-hexanone	25.00	27.80	111	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	4.90	98	69-136
Chlorobenzene	5.00	4.65	93	74-136
Ethylbenzene	5.00	4.66	93	63-136
Styrene	5.00	4.84	97	62-133
Bromoform	5.00	5.07	101	58-144
1,1,2,2-Tetrachloroetha	5.00	5.15	103	43-139
Xylene (total)	15.00	14.91	99	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWLLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	6.05	121	50-141
Vinyl Chloride	5.00	6.38	128	49-142
Bromomethane	5.00	5.15	103	54-150
Chloroethane	5.00	5.97	119	61-150
1,1-Dichloroethene	5.00	6.73	135	50-150
Carbon disulfide	5.00	6.64	133	50-150
Acetone	25.00	35.18	141	50-142
Methylene Chloride	5.00	5.91	118	50-149
trans-1,2-Dichloroethen	5.00	6.74	135	60-143
Methyl-tert-butyl ether	5.00	6.47	129	50-150
1,1-Dichloroethane	5.00	6.67	133	63-140
cis-1,2-Dichloroethene	5.00	6.44	129	58-148
2-butanone	25.00	35.55	142	50-150
Chloroform	5.00	6.82	136	57-146
1,1,1-Trichloroethane	5.00	7.00	140	58-150
Carbon Tetrachloride	5.00	7.32	146	50-150
Benzene	5.00	6.61	132	76-134
1,2-Dichloroethane	5.00	6.75	135	58-143
Trichloroethene	5.00	6.47	129	71-143
1,2-Dichloropropane	5.00	6.24	125	59-138
Bromodichloromethane	5.00	6.60	132	63-139
cis-1,3-Dichloropropene	5.00	6.14	123	56-142
4-Methyl-2-pentanone	25.00	36.03	144	50-145
Toluene	5.00	6.06	121	70-137
trans-1,3-Dichloroprope	5.00	6.28	126	61-135
1,1,2-Trichloroethane	5.00	6.24	125	60-133
Tetrachloroethene	5.00	6.47	129	59-150
2-hexanone	25.00	35.34	141	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWLLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	6.55	131	69-136
Chlorobenzene	5.00	6.25	125	74-136
Ethylbenzene	5.00	6.06	121	63-136
Styrene	5.00	6.53	131	62-133
Bromoform	5.00	6.61	132	58-144
1,1,2,2-Tetrachloroetha	5.00	6.74	135	43-139
Xylene (total)	15.00	20.16	134	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWOLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	6.97	139	50-141
Vinyl Chloride	5.00	6.59	132	49-142
Bromomethane	5.00	5.68	114	54-150
Chloroethane	5.00	3.80	76	61-150
1,1-Dichloroethene	5.00	5.70	114	50-150
Carbon disulfide	5.00	6.83	137	50-150
Acetone	25.00	28.30	113	50-142
Methylene Chloride	5.00	5.00	100	50-149
trans-1,2-Dichloroethen	5.00	5.66	113	60-143
Methyl-tert-butyl ether	5.00	4.66	93	50-150
1,1-Dichloroethane	5.00	5.77	115	63-140
cis-1,2-Dichloroethene	5.00	5.48	110	58-148
2-butanone	25.00	28.18	113	50-150
Chloroform	5.00	5.45	109	57-146
1,1,1-Trichloroethane	5.00	5.53	111	58-150
Carbon Tetrachloride	5.00	5.67	113	50-150
Benzene	5.00	5.45	109	76-134
1,2-Dichloroethane	5.00	4.93	99	58-143
Trichloroethene	5.00	5.46	109	71-143
1,2-Dichloropropane	5.00	5.59	112	59-138
Bromodichloromethane	5.00	5.08	102	63-139
cis-1,3-Dichloropropene	5.00	5.12	102	56-142
4-Methyl-2-pentanone	25.00	23.61	94	50-145
Toluene	5.00	5.48	110	70-137
trans-1,3-Dichloroprope	5.00	5.08	102	61-135
1,1,2-Trichloroethane	5.00	4.82	96	60-133
Tetrachloroethene	5.00	5.68	114	59-150
2-hexanone	25.00	22.64	90	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VWOLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	5.05	101	69-136
Chlorobenzene	5.00	5.28	106	74-136
Ethylbenzene	5.00	5.78	116	63-136
Styrene	5.00	5.52	110	62-133
Bromoform	5.00	4.74	95	58-144
1,1,2,2-Tetrachloroetha	5.00	4.63	93	43-139
Xylene (total)	15.00	17.45	116	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKWK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Lab File ID: WG24396-1RA62 Lab Sample ID: WG24396-1

Date Analyzed: 05/20/03 Time Analyzed: 1534

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: 5973HP62

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VWKLCS	WG24396-4	WG24396-4A62	1601
02	M1P-28-60	S2974-1	S2974-1A62	1628
03	M1P-28-40	S2974-2	S2974-2A62	1655
04	M1P-28-20	S2974-3	S2974-3A62	1722
05	M1P-42-60	S2974-4	S2974-4A62	1749
06	M1P-42-45	S2974-5	S2974-5A62	1816
07	M1P-42-25	S2974-6	S2974-6A62	2059
08	M1P-54-55	S2974-7	S2974-7A62	2142
09	M1P-54-40	S2974-8	S2974-8A62	2210
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COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWK

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24396-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24396-1RA62

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3		U
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5		U
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U