June 25, 1997

Matthew Moran, Site Project Manager
State of Vermont
Agency of Natural Resources
Dept. of Environmental Conservation
Waste Management Division
103 S. Main St. / West Office
Waterbury, VT 05671-0404

RE: SMS Site #95-1864, ECC International, Dutton Lot

Dear Matt:

Enclosed for your review is (1) copy of the Initial Site Investigation, Report No. 2. for the ECC International, former Dutton Lumber Mill property located on Carver Street in Brandon, Vermont. This report has been prepared in response to your review letter dated 6/7/96.

ECCI selected the ground water sampling option outlined in your review letter in order to further determine the level of residual trimethylbenzene contamination on the property. The results of the sampling indicate that none of the volatile organic compounds analyzed for under EPA Method 8260 are detectable in ground water in the subject area at levels above the Vermont Ground Water Enforcement Standards. Accordingly, it is my opinion that the site should be considered eligible for a SMAC classification without the need for a notice in the land records for the property.

Stockpiled soils have been thin-spread in the tank area and these soils have been seeded, fertilized, and mulched.

Please call me at 483-6635 if you have any questions regarding this information. Thanks.

Sincerely,

Jim Purdy
Hydrogeologist

cc G. Eckstein, ECCI
J. Kelley, SEI
2C2.70
enc.

GEOMAPPING ASSOCIATES LTD.
RR #1, BOX 264, PITTSFORD, VT 05763
telephone
802 483-6635

→ TMBs not analyzed in 8260. Need to resample for 8260.

→ Also, look @ PCS + whether it could have been thinspread onsite, may have been non-petroleum

Phase (Check One)	Type (Check One)
☐ Initial Site Investigation	☐ Work Scope
☐ Corrective Action Feasibility Investigation	☐ Technical Report
☐ Corrective Action Plan	☐ PCF Reimbursement Request
☐ Corrective Action Summary Report	☐ General Correspondence
☐ Operations & Monitoring Report	

INITIAL SITE INVESTIGATION

REPORT No. 2

FORMER DUTTON LUMBER MILL PROPERTY
CARVER STREET
BRANDON, VERMONT

SMS SITE #95-1864

A PROPERTY OWNED BY:
ECC INTERNATIONAL
SYLACAUGA, ALABAMA

PREPARED BY:
GEOMAPPING ASSOCIATES LTD.
RR 1, BOX 264
PITTSFORD, VERMONT
(802)483-6635
CONTACT: JIM PURDY

JUNE 12, 1997

GEOMAPPING ASSOCIATES LTD.
RR #1 BOX 284 PITTSFORD, VT 05763
telephone
802 483-6635

TABLE OF CONTENTS

I. EXECUTIVE SUMMARY 1

II. SITE INFORMATION 2

III. SITE HISTORY 3

IV. FIELD DATA 4
- Site Investigation Procedures
- Typical Monitor Well Construction Diagram
- Ground Water Level Data
- Site Plan

V. CONCLUSIONS / RECOMMENDATIONS 5

VI. APPENDIX
- Laboratory Analytical Reports

I. EXECUTIVE SUMMARY

The results of the first phase of the Initial Site Investigation of the ECC International, former Dutton Lumber Mill property on Carver Street in Brandon, Vermont have been previously submitted to the Sites Management Section by Stone Environmental Inc. in reports dated 10/17/95 and 5/21/96. The initial site investigation was implemented 7/20/95 by Stone Environmental, Inc. subsequent to removal of (6) underground storage tanks from the property on 7/19/95. Ground Water Sampling and analysis from Test Pit #4 indicated the presence of the compound 1,2,4-trimethylbenzene at a concentration above the Vermont Ground Water Enforcement Standard. In consideration of the apparent low contaminant concentration in ground water on-site as described above, the Sites Management Section has recommended additional ground water sampling and analysis in order to further determine whether the site qualifies for a Site Management Activity Completed (SMAC) designation.

The second phase of the Initial Site Investigation has involved installation of (3) ground water monitoring wells upgradient and downgradient from the tank excavations. Due to the fact that the soils underlying the subject area are saturated with shallow ground water on a seasonal basis, ground water sampling has been performed during spring thaw conditions and the resulting period of seasonal high ground water levels. Ground water levels were recorded twice during the month of April to determine the period of peak ground water saturation.

Ground water samples were collected from the (3) monitor wells on 4/17/97 by Geomapping Associates Ltd. The samples were shipped to ITS Environmental Laboratory in Colchester, Vermont for analysis of volatile organic compounds by EPA Method 8260.

The results of the ground water sampling phase of the initial site investigation indicate that:

- none of the compounds analyzed for under EPA Method 8260 were detected in ground water from the area of the tank excavation at concentrations above the Vermont Ground Water Enforcement Standards.

Based on the results of the Initial Site Investigation, Geomapping Associates Ltd. recommends that the ECC International, former Dutton Lumber property on Carver St. be considered for closure according to the Site Management Activities Completed (SMAC) Classification Procedure Guidelines, dated 12/13/93.

II. SITE INFORMATION

Property Location -	Carver Street Brandon, Vermont
Landowners -	ECC International
Contact Person -	Gregg Eckstein ECC International Woodstock, GA 30189
Tank Removal Contractor -	Swinington Construction Brandon, Vermont
Site Investigation Consultants -	Jim Purdy, Hydrogeologist Geomapping Associates Ltd. RR 1, Box 264 Pittsford, VT 05763 (802)483-6635 Jeff Kelley, Project Geoscientist Stone Environmental Inc. 58 East State Street Montpelier, VT 05602 (802)229-4541

III. SITE HISTORY

The site history of the ECCI former Dutton Lumber Mill property has been previously outlined in the Initial Site Investigation report dated 10/17/95. Soils stockpiled on-site subsequent to removal of the UST's (sample 4/96 indicated non-detectable volatile organic compounds) have been thin spread in the area of the tank excavation and the area has been seeded with grass, fertilized, and mulched.

IV. FIELD DATA

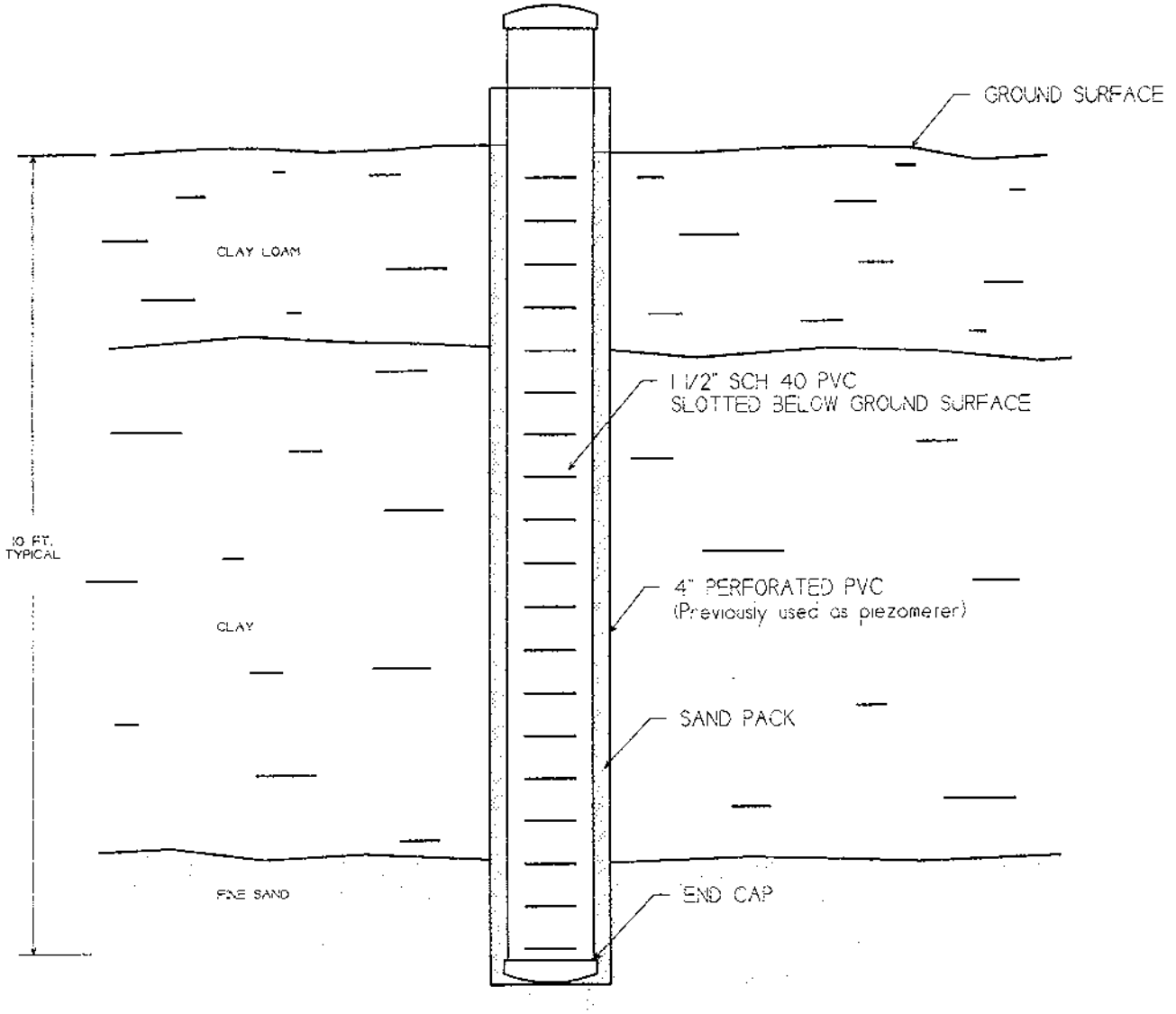
Site Investigation Procedures

The continuation of the site investigation field work has involved the following procedures:

1) Monitor Well Installation - A series of (3) monitor wells were installed on the former Dutton Lumber Mill site by Geomapping Associates Ltd. using the existing auger borings and piezometers previously installed in March 1996. Each piezometer was manually fitted with a 1 1/2" SCH 40 PVC, hand slotted well riser and the annulus between the 1 1/2" well riser and the 4" perforated PVC piezometer pipe was packed with clean bank-run coarse sand. The monitor wells were then developed by purging with a teflon bailer. Monitor well locations are indicated on the attached Site Plan.

2) Ground Water Level Recording - Ground water levels were measured to the nearest 100th of a Ft. with an electric water level probe to determine depth of ground water in the subject area. Water levels were recorded on 4/7/97 and on 4/17/97 just prior to sampling.

3) Laboratory Analysis of Ground Water Samples - (1) round of ground water sampling was performed on site during the period of seasonal high ground water related to spring thaw conditions. Samples were collected on 4/17/97 for volatile organic compound analysis by EPA Method 8260. Samples were collected by means of dedicated teflon bailers. A minimum of (3) well volumes were purged from each well prior to sampling. Samples were delivered to ITS Environmental Laboratory in Colchester, VT for analysis. (1) trip blank and (1) equipment blank were analyzed for sampling quality control.



DUTTON LUMBER MILL SITE TYPICAL MONITORING WELL CONSTRUCTION

NOT TO SCALE

GEOMAPPING ASSOCIATES LTD.

JUNE 1997

GROUND WATER MONITORING RECORD

PROPERTY: ECCI, Dutton Lot **YEAR:** 1996 - 1997

LOCATION: Carver Street, Brandon, Vermont

		WELL #						
		1	2	3				
		DEPTH OF WELL (T.O.C.)						
		12.0'	12.0'	10.0'				
		ELEVATION T.O.C. (ASSUMED)						
		96.98	95.7	97.44				
		DEPTH TO GROUND WATER FROM T.O.C.						
DATE	**WX / GC**		ELEVATION GROUND WATER TABLE					
3/1/96	C / BF	8.39'	8.04'	7.25'				
		88.59	87.66	90.19				
3/7/96	S / SC	7.89'	4.71'	7.33'				
		89.09	90.99	90.11				
3/14/96	C / SC	9.23'	5.25'	7.58'				
		87.75	90.45	89.86				
3/21/96	R / S / BF	6.50'	4.06'	3.48'				
		90.48	91.64	93.96				
3/28/96	C / BF	6.85'	4.50'	5.27'				
		90.13	91.20	92.17				
4/7/97	C / T	3.08'	3.92'	2.33'				
		93.90	91.78	95.11				
4/17/97	C / T	3.79'	4.37'	4.12'				
		93.19	91.33	93.32				
	AVG. ** ELEVATION	91.50	92.85	93.07				
	MAP UNIT	+1.50	+2.85	+3.07				
		** Ground water levels recorded 3/21 and 3/28 utilized for average ground water table elevation						

WEATHER ABBREVIATIONS:

R = RAIN HR = HEAVY RAIN S = SNOW C = CLEAR
T = THAW

GROUND CONDITION ABBREVIATIONS:

SC = SNOW COVER MS = MELTING SNOW BF = BARE FROZEN
T = THAWED

GEOMAPPING ASSOCIATES LTD.

NOTES: TOPOGRAPHIC INFORMATION FROM AERIAL TOPOGRAPHIC BASE MAP BY KUCERA INTERNATIONAL, 10-31-86. DIGITIZED BY GAL 8/95.

GROUND SURVEY INFORMATION BY GAL 8/95.

N

400

410

420

430

440

CARVER STREET

GRAVEL ROAD

ECC INTERNATIONAL

ECC INTERNATIONAL

TP-1
MW-2

TP-2
MW-3

TP-4

TP-3
MW-1

TBM - TOP POST

VERMONT RAILROAD

0 100' 200'

SCALE

LEGEND:

TP TEST PIT

MW-1 MONITOR WELL

RUINS

SITE PLAN
DUTTON LUMBER MILL PROPERTY

ECC INTERNATIONAL
CARVER STREET
BRANDON, VERMONT

GEOMAPPING ASSOCIATES LTD.

APRIL 1996

V. CONCLUSIONS / RECOMMENDATIONS

The second phase of the initial site investigation of the ECC International, former Dutton Lumber Mill Property on Carver Street in Brandon indicates that:

- none of the volatile organic compounds analyzed for under EPA Method 8260 have been detected in ground water from the area of the tank excavations indicating on-site compliance with the Vermont Groundwater Enforcement Standards.

In consideration of the results of the Initial Site Investigation, the ECC International property should be considered for closure pursuant to the SMAC Classification Procedure Guidelines.

VI. APPENDIX

ITS Intertek Testing Services

55 South Park Drive, Colchester, Vermont 05446
Phone: (802) 655-1203
Fax: (802) 655-1248

Facsimile Transmittal Cover Sheet

To:	Jim Purdy	From:	Chris Ouellette
Company:	Geomapping	Company:	ITS Environmental
Fax Number:	802-483-6685	Fax Number:	802-655-1248
Date:	23 May 1997	Pages (including cover):	1

Re: Method 8260 Analytical Results for ITS ETR No. 64649

Jim:

The laboratory reviewed the volatile organic analytical results for samples submitted under the above referenced ETR. Review of the chromatograms indicated that 1,2,4-trimethylbenzene was not detected as a tentatively identifiable compound (TIC).

Please feel free to call me with any questions you may have.

Confidentiality Notice:
The information contained in the Facsimile message is privileged and confidential information intended only for the use of the addressee. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the U.S. Postal Service. Thank you.

ITS Intertek Testing Services
Environmental Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Geomapping Assoc. Ltd.
RR 1, Box 264
Pittsford, VT 05763

Date : 05/06/97
ETR Number : 64649
Project No.: 97000
No. Samples: 5
Arrived : 04/18/97

Attention : Jim Purdy

Job:GAL Job No. A45013

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
329249	MW-1:04/17/97 (Water)	
8260	Analysis, Vol. Organics	C
329250	MW-2:04/17/97 (Water)	
8260	Analysis, Vol. Organics	C
329251	MW-3:04/17/97 (Water)	
8260	Analysis, Vol. Organics	C
329252	Trip Blank:03/18/97 (Water)	
8260	Analysis, Vol. Organics	C
329253	Equip Blank:04/17/97 (Water)	
8260	Analysis, Vol. Organics	C

Comments/Notes

C = Procedure/analysis completed

< Last Page > Submitted By : Karen R Chrisp Aquatec Inc.

The following Qualifiers may be used when reporting any Organic Parameters analyzed by Gas Chromatography/Mass Spectrometry (GCMS). Any additional qualifiers used in the reports will be described in the case narrative. These flags are based on the EPA Contract Laboratory Program statement of work.

GC/MS Qualifiers

A = The reported Tentatively Identified Compound (TIC) is a suspected aldol-condensation product.

B = The reported analyte was detected in the associated method blank as well as the sample.

D = Compound is identified in an analysis which occurred at a dilution.

E = Compound quantitation is above the instrument's calibration range for this analysis.

J = Indicates an estimated quantitation value below reporting limit.

U = Compound was analyzed for but not detected.

X = The reported compound is a suspected laboratory contaminant.

Y = An additional qualifier which will be defined at the time of use by the data reviewer.

Z = The reported result is based on the combined responses from coeluting compounds.

Method 8260 [illegible] 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

EQUIP BLANK

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329253

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329253V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
67-64-1	Acrolein	10	U
76-13-1	Freon TF	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	2	JB
74-88-4	Methyl Iodide	10	U
75-15-0	Carbon Disulfide	5	U
107-05-1	Allyl Chloride	10	U
75-09-2	Methylene Chloride	5	U
107-13-1	Acrylonitrile	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
1634-04-4	Methyl-t-Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	10	U
126-99-8	Chloroprene	10	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	10	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
74-97-5	Bromochloromethane	5	U
109-99-9	Tetrahydrofuran	250	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U

published 8260 KBW 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

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EQUIP BLANK

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Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	10	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
1476-11-5	cis-1,4-Dichloro-2-butene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
110-57-6	trans-1,4-Dichloro-2-butene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	5	U

Method 8260 [illegible] 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

EQUIP BLANK

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329253

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329253V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U

Method 8260 KRM 5/16/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

MW-1

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329249

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329249V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
67-64-1	Acrolein	10	U
76-13-1	Freon TF	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	JB — in blank too
74-88-4	Methyl Iodide	10	U
75-15-0	Carbon Disulfide	5	U
107-05-1	Allyl Chloride	10	U
75-09-2	Methylene Chloride	5	U
107-13-1	Acrylonitrile	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
1634-04-4	Methyl-t-Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	10	U
126-99-8	Chloroprene	10	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	10	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
74-97-5	Bromochloromethane	5	U
109-99-9	Tetrahydrofuran	250	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U

Method 8260 KBM 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

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MW-1

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Matrix: (soil/water) WATER Lab Sample ID: 329249

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329249V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	10	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
1476-11-5	cis-1,4-Dichloro-2-butene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
110-57-6	trans-1,4-Dichloro-2-butene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	5	U

Method 8260
HBN 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

MW-1

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Matrix: (soil/water) WATER Lab Sample ID: 329249

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329249V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U

Method 8260
APW 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

MW-2

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329250

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329250V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
67-64-1	Acrolein	10	U
76-13-1	Freon TF	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	3	JB — also in blank
74-88-4	Methyl Iodide	10	U
75-15-0	Carbon Disulfide	5	U
107-05-1	Allyl Chloride	10	U
75-09-2	Methylene Chloride	5	U
107-13-1	Acrylonitrile	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
1634-04-4	Methyl-t-Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	10	U
126-99-8	Chloroprene	10	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	10	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
74-97-5	Bromochloromethane	5	U
109-99-9	Tetrahydrofuran	250	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U

Method 8260C
ABM 5/14/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

MW-2

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329250

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329250V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	10	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
1476-11-5	cis-1,4-Dichloro-2-butene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
110-57-6	trans-1,4-Dichloro-2-butene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	5	U

Method 8260C KBM 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

MW-2

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329250

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329250V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U

Method 8260 KBH 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

MW-3

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329251

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329251V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
67-64-1	Acrolein	10	U
76-13-1	Freon TF	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	11	B
74-88-4	Methyl Iodide	10	U
75-15-0	Carbon Disulfide	5	U
107-05-1	Allyl Chloride	10	U
75-09-2	Methylene Chloride	5	U
107-13-1	Acrylonitrile	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
1634-04-4	Methyl-t-Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	10	U
126-99-8	Chloroprene	10	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	10	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
74-97-5	Bromochloromethane	5	U
109-99-9	Tetrahydrofuran	250	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U

Method 8260D
[illegible] 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

MW-3

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329251

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329251V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	10	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
1476-11-5	cis-1,4-Dichloro-2-butene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
110-57-6	trans-1,4-Dichloro-2-butene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	5	U

Method 8260 KBW 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

MW-3

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329251

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329251V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U

Method 8260
KPM 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

TRIP BLANK

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329252

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329252V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
67-64-1	Acrolein	10	U
76-13-1	Freon TF	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	10	U
74-88-4	Methyl Iodide	10	U
75-15-0	Carbon Disulfide	5	U
107-05-1	Allyl Chloride	10	U
75-09-2	Methylene Chloride	5	U
107-13-1	Acrylonitrile	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
1634-04-4	Methyl-t-Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	10	U
126-99-8	Chloroprene	10	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	10	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
74-97-5	Bromochloromethane	5	U
109-99-9	Tetrahydrofuran	250	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U

Method 8260D
KSW 5/6/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

TRIP BLANK

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329252

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329252V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	10	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
1476-11-5	cis-1,4-Dichloro-2-butene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
110-57-6	trans-1,4-Dichloro-2-butene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	5	U

Method 8260C
KBM 5/8/97

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

GEOMAP SAMPLE NO.

TRIP BLANK

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: 329252

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L329252V

Level: (low/med) LOW Date Received: 04/18/97

% Moisture: not dec. _____ Date Analyzed: 04/25/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

	ITS SAMPLE NO.	SMC1 (DCE) #	SMC2 (BFB) #	SMC3 (DCB) #	OTHER	TOT OUT
01	VBLKZ9	90	104	100		0
02	MW-1	98	106	104		0
03	MW-2	102	116	108		0
04	MW-3	96	114	108		0
05	TRIP BLANK	100	112	106		0
06	EQUIP BLANK	96	110	104		0
07	LJLHLCS	92	104	102		0
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(72-141)
SMC2 (BFB)	= Bromofluorobenzene	(72-122)
SMC3 (DCB)	= 1,2-Dichlorobenzene-d4	(69-124)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64617

Matrix Spike - ITS Sample No.: LJLHLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Xylene (o)	10		10	100	60-140
Xylene (m,p)	20		20	100	60-140
Dichlorodifluoromethane	10		11	110	60-140
Chloromethane	10		11	110	60-140
Vinyl Chloride	10		11	110	60-140
Bromomethane	10		12	120	60-140
Chloroethane	10		10	100	60-140
Trichlorofluoromethane	10		10	100	60-140
Acrolein	10		6	60	60-140
Freon TF	10		9	90	60-140
1,1-Dichloroethene	10		9	90	60-140
Acetone	10		10	100	60-140
Methyl Iodide	10		10	100	60-140
Carbon Disulfide	10		10	100	60-140
Allyl Chloride	10		9	90	60-140
Methylene Chloride	10		10	100	60-140
Acrylonitrile	10		9	90	60-140
trans-1,2-Dichloroethen	10		9	90	60-140
1,2-Dichloroethene (tot	20		17	85	60-140
Methyl-t-Butyl Ether	10		8	80	60-140
1,1-Dichloroethane	10		9	90	60-140
Vinyl Acetate	10		8	80	60-140
Chloroprene	10		10	100	60-140
cis-1,2-Dichloroethene	10		8	80	60-140
2-Butanone	10		7	70	60-140
Propionitrile	10		7	70	60-140
Methacrylonitrile	10		8	80	60-140
Bromochloromethane	10		9	90	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64617

Matrix Spike - ITS Sample No.: LJLHLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Tetrahydrofuran	500		450	90	60-140
Chloroform	10		9	90	60-140
1,1,1-Trichloroethane	10		9	90	60-140
Carbon Tetrachloride	10		9	90	60-140
Isobutyl Alcohol	1000		980	98	60-140
Benzene	10		10	100	60-140
1,2-Dichloroethane	10		9	90	60-140
Trichloroethene	10		10	100	60-140
1,2-Dichloropropane	10		9	90	60-140
Methyl Methacrylate	10		8	80	60-140
Dibromomethane	10		9	90	60-140
1,4-Dioxane	500		480	96	60-140
Bromodichloromethane	10		9	90	60-140
2-Chloroethyl Vinyl Eth	10		8	80	60-140
cis-1,3-Dichloropropene	10		9	90	60-140
4-Methyl-2-pentanone	10		8	80	60-140
Toluene	10		10	100	60-140
trans-1,3-Dichloroprope	10		9	90	60-140
Ethyl Methacrylate	10		8	80	60-140
1,1,2-Trichloroethane	10		9	90	60-140
Tetrachloroethene	10		9	90	60-140
2-Hexanone	10		4	40*	60-140
Dibromochloromethane	10		9	90	60-140
1,2-Dibromoethane	10		8	80	60-140
Chlorobenzene	10		10	100	60-140
1,1,1,2-Tetrachloroetha	10		9	90	60-140
Ethylbenzene	10		10	100	60-140
Xylene (total)	30		31	103	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64617

Matrix Spike - ITS Sample No.: LJLHLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Styrene	10		10	100	60-140
Bromoform	10		8	80	60-140
Isopropylbenzene	10		11	110	60-140
cis-1,4-Dichloro-2-bute	10		9	90	60-140
1,1,2,2-Tetrachloroetha	10		10	100	60-140
1,2,3-Trichloropropane	10		10	100	60-140
trans-1,4-Dichloro-2-bu	10		9	90	60-140
1,3-Dichlorobenzene	10		10	100	60-140
1,4-Dichlorobenzene	10		10	100	60-140
1,2-Dichlorobenzene	10		10	100	60-140
1,2-Dibromo-3-Chloropro	10		9	90	60-140
1,2,4-Trichlorobenzene	10		11	110	60-140
Hexachlorobutadiene	10		12	120	60-140
Naphthalene	10		10	100	60-140

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 70 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

ITS SAMPLE NO.

VBLKZ9

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Lab File ID: LJLB001HV Lab Sample ID: VBLKZ9

Date Analyzed: 04/24/97 Time Analyzed: 2246

GC Column: CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: L

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

	ITS SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-1	329249	L329249V	0024
02	MW-2	329250	L329250V	0058
03	MW-3	329251	L329251V	0128
04	TRIP BLANK	329252	L329252V	0158
05	EQUIP BLANK	329253	L329253V	0228
06	LJLHLCS	LJLHLCS	LJL010HQ2V	0832
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM IV VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ITS SAMPLE NO.

VBLKZ9

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: VBLKZ9

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LJLB001HV

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

% Moisture: not dec. _____ Date Analyzed: 04/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
67-64-1	Acrolein	10	U
76-13-1	Freon TF	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	1	J
74-88-4	Methyl Iodide	10	U
75-15-0	Carbon Disulfide	5	U
107-05-1	Allyl Chloride	10	U
75-09-2	Methylene Chloride	5	U
107-13-1	Acrylonitrile	10	U
156-60-5	trans-1,2-Dichloroethene	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
1634-04-4	Methyl-t-Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	10	U
126-99-8	Chloroprene	10	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	10	U
107-12-0	Propionitrile	10	U
126-98-7	Methacrylonitrile	5	U
74-97-5	Bromochloromethane	5	U
109-99-9	Tetrahydrofuran	250	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ITS SAMPLE NO.

VBLKZ9

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: VBLKZ9

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LJLB001HV

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

% Moisture: not dec. _____ Date Analyzed: 04/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	10	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
1476-11-5	cis-1,4-Dichloro-2-butene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
110-57-6	trans-1,4-Dichloro-2-butene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ITS SAMPLE NO.

VBLKZ9

Lab Name: ITS ENVIRONMENTAL Contract: 97000

Lab Code: INCHVT Case No.: 97000 SAS No.: SDG No.: 64649

Matrix: (soil/water) WATER Lab Sample ID: VBLKZ9

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LJLB001HV

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

% Moisture: not dec. _____ Date Analyzed: 04/24/97

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U

CHAIN of CUSTODY

ITS Environmental

55 South Park Drive
Colchester, Vermont 05446
(802) 655-1203 or (800) 654-4255
Fax: (802) 655-1248

ITS Project Manger:

CLIENT INFORMATION

Name: Jim Purdy
Address: GEOMAPPING ASSOCIATES LTD
RR 1 Box 264 Pittsford, VT 05763
Phone: 483-6635
Fax: 483-6685
Contact: Jim
Quote #:

SHIPPING INFORMATION

Carrier: [ ] FedEx [ ] Airborne [ ] UPS [ ] By Hand [ ] DHL [X] Other: RUTEX
Airbill Number:
Date Shipped: 4-18-97

PROJECT INFORMATION

Project Name: ECC INTERNATIONAL
Site: DUTTON LUMBER PROP.

TURNAROUND TIME

[X] Standard
[ ] RUSH (please specify)*:
* Must coordinate with project manager. A surcharge will be applied.

HAZARDOUS SAMPLES

Are samples hazardous? Yes/No ?
If yes, please explain:
POSSIBLE 1,2,4-TRIMETHYLBENZENE ABOVE VHA

ANALYSIS REQUESTED

Sample ID	Lab ID (For Lab Use Only)	Date and Time Collected		Matrix H_2O, Soil, etc.	# of Containers	EPA 8260									ADDED CHEMICALS HCl, H_2SO_4, NaOH, other	COMMENTS
MW-1		4-17-97	12:45P	H_2O	3	X									HCl	
MW-2		4-17-97	1:00P		3	X										
MW-3		4-17-97	1:30P		3	X										
TRIP BLANK		3-18-97	1:00P		2	X										
EQUIP. BLANK		4-17-97	10:00A		1	X										DISTILLED WATER

Shipment for Case complete? [✓] Yes [ ] No

Sample used for a spike and/or duplicate: L.S.

Sampler Name: L. SHELVEY

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Jim Purdy	4-18-97	10:30A	RUTEX (SEALED)	4-18-97	10:30A
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
			Sharon Meier	4/18/97	1500

FOR LABORATORY USE ONLY

Samples received in good condition? [ ] Yes [ ] No
Custody Seal Intact? [ ] Yes [ ] No
Samples Chilled? _____ C [ ] Yes [ ] No