3742-SCU-159

0044237

SDG Memo/Sample Summary

Client Name:	WESTINGHOUSE HANFORD CO.	Date:	20 Jul 1993
Project Name:	93-172	Update No.:	
SDG No.:	3742	Work Order No.:	32468-20-03
Project Manager:	J. DEWALD		
Mail Date:			

Client Samp No.	S-Cubed Samp No.	Date Rcvd	Date Samp	Matrix	8010VOA	VOAOLM							
B08ML8	3742-01	7-8-1993	7-1-1993	WATER	X								
B08ML8MS	3742-01MS	7-8-1993	7-1-1993	WATER	X								
B08ML8MSD	3742-01MSD	7-8-1993	7-1-1993	WATER	X								
B08ML9	3742-02	7-8-1993	7-1-1993	WATER		X							
B08ML9MS	3742-02MS	7-8-1993	7-1-1993	WATER		X							
B08ML9MSD	3742-02MSD	7-8-1993	7-1-1993	WATER		X							

(X) = Non-Billable Sample

JUN 1996
RECEIVED
EDMC

SC-10, Rev 8/92

02

MAXWELL
S-CUBED Division

NARRATIVE

July 29, 1993

Narrative Project: 93-172
Reference No.: 32468-20-03
Client: WHC
SDG No.: 3742

VOLATILES

Samples were analyzed for the Target Compound List (TCL) volatile organic compounds according to the EPA CLP OLM01.8 (3/90) procedure. Analysis of the samples was performed using GC-MS purge and trap techniques with internal standard quantitation.

Water samples were routinely analyzed on a Quadrex 70 meter megabore capillary column connected to a jet separator. Water samples were analyzed using a DynaTech PTA-30 autosampler which, due to automated surrogate and internal standard spiking, does not allow for variation of surrogate concentrations in the ICAL. Consequently all standards were spiked with surrogates at 50 ppb.

Non target compounds were reported as Tentatively Identified Compounds (TICs) with an estimated quantitation based on an assumed relative response factor of 1.0 using the closest internal standard as a reference. Peaks less than 10% of the area of the nearest internal standard were not reported.

One aqueous sample was analyzed for volatile organic compounds. A trace amount (4-ppb) of Methylene Chloride was the only target analyte found. Siloxane column bleed was found in the lab blank and the sample in like amounts and reported as TIC's.

Trichloroethene demonstrated slightly high recoveries in both the MS and MSD analyses of sample B08M19. The LCS showed compliant recovery for Trichloroethene indicating a true sample matrix effect. All surrogate recoveries pass QC requirements, and the initial and continuing calibration data are method compliant.

John DeWald
Project Manager

enclosures

r:\narr\n3742

2A

MAXWELL
S-CUBED Division

NARRATIVE

July 27, 1993

Narrative Project:	93-172
Reference No.:	32468-20-03
Client:	WHC
SDG No.:	3742

VOLATILES (8010)

Samples were analyzed by SW-846 Method 8010 GC/HECD purge and trap analysis. All hits were confirmed by Method 8240 GC/MS.

Sample B08ML8 required dilution due to high level of CCL_4.

All calibration and sample QC were acceptable.

John DeWald
Project Manager

enclosures

r:\narr\n3742

2B

LOT # 3742

Westinghouse Hanford Company	CHAIN OF CUSTODY	pg. 1 of 3

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations CCL4

Collection Date 7-1-93

Ice Chest No. ESI

Field Logbook No. EFL-1057

Bill of Lading/Airbill No. 2536955795

Offsite Property No. W93-0-0585-13

Method of Shipment EMERY

Shipped to S-CUBED

Possible Sample Hazards/Remarks N/A

Sample Identification	~~METHOD~~
B08ML8 3, 40ml, Gs, WATER; VOA(.008% Na2S2O3)	8010
B08ML9 3, 40ml, Gs, WATER; CLP-VOA	

[] Field Transfer of Custody

Chain of Possession		(Sign and Print Names)
Relinquished by: 7/1/93	Received by: B.T. WHITTEN	Date/Time: 7-7-93 0800
Relinquished by: B. WHITTEN	Received by: A. SMITH	Date/Time: 7/8/93 11:30
Relinquished by:	Received by:	Date/Time:
Relinquished by:	Received by:	Date/Time:

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

A-6000-407 (12/90) (EF) WEF061
Chain of Custody

LOT #3742

Westinghouse Hanford Company

SAMPLE ANALYSIS REQUEST pg. 2 of 3

PART I: FIELD SECTION

Collecto K. Lee, L. Walker Date Sampled 7/9/93 Time 1100 hours

Company P. H. Butcher Telephone (509) 376-5045

	Sample Number	Number and Type of Sample	Type of Sample*	Analysis Requested
01	B08ML8	3, 40ml, Gs	WATER	VOA(.008% Na2S2O3) METHOD: 8010
02	B08ML9	3, 40ml, Gs	WATER	CLP-VOA
				OPC: # W93- 0-0585-13
				BOL: # 2536955795
				TASK: 93-172

Field

Special Handling and/or

Possible Sample

PART II: LABORATORY SECTION

Received Titl Date

Analysis

*Indicate whether sample is soil, sludge, water, etc.

**Use back of page for additional information relative to sample location.

08

A-6000-406(05/90)

OVERNIGHT [illegible] SIGNATURE SECURITY SERVICE

Contractor	OFF-SITE PROPERTY CONTROL	CONTROL NUMBER (To be obtained from PROPERTY MANAGEMENT)
WHC		W93-0-0585 [illegible]

PART I – TO BE COMPLETED BY ORIGINATOR

Department	Section	Unit
ENV ENG & TECH	GEOSCIENCES	[illegible]

The following items are to be shipped from ☑ Contractor ☐ Vendor

Routing ☑ Contractor ☐ Vendor

Shipped to	Off-site Custodian
[illegible] 5 CURED LABS 3378 CARMEL MT RD SAN DIEGO CA 93121	JOHN DEWALD Full Title

Quantity	Description (Include Serial and any Government Tag Numbers)	Original Cost
1 43 LBS	SAMPLE #: [illegible] COOLER ID #: [illegible] WITH GROUNDWATER SAMPLES [illegible] IN WET ICE AND VERMICULITE.	

☐ Classified ☐ Unclassified ☐ Shipped Under DOE Contract ☐ Shipped Under Contractor's Use Permit Contract

Necessity for the Off-Site Use of this Property

SAMPLING [illegible] KI/FS [illegible] IN THE CARBON TET AREA.

BEST AVAILABLE COPY

BILL OF LADING# [illegible]

CERTIFICATION OF THE RADIATION MONITORING RELEASE MUST BE SECURED THE SAME DAY THAT MATERIAL IS DELIVERED TO SHIPPING.

RM Clearance for Public Release	RM Survey No.	Date
[illegible]	[illegible]	[illegible]

Location of Property (Area & Bldg.)	Contact	Phone
	[illegible]	[illegible]

Date Ready for Shipment	Cost Code to be Charged	Approximate Date This Property will be Returned
[illegible] 93	[illegible]	

Originated By	Date	Authorized By	Date
[illegible] WHITEN	[illegible] 93	[illegible] WHITEN	[illegible]

Signature and Name of Property Control	Custodian Date	Property Management Approval	Date
		[illegible]	[illegible]

PART II – TO BE COMPLETED BY SHIPPING

Signature of Recipient	Return Order No.	Date Issued	Purchase Order No.	Date Issued
Date				

DISTRIBUTION

By Originator	Shipping Operation – Sign all Copies and Forward to:
White, Green, Yellow, Pink – Property Management Goldenrod – Retain	White – Property Management Yellow – Retain Green – Property Control Custodian (Issuing Office) Pink – Originator

54-3000-479 (09.

EMERY WORLDWIDE — A CF Company

SIGNATURE AND TALLY RECORD

60029-46 (8-89) Litho USA

DATE: 07-07-93 SHIPMENT NO.: 2536955795

SHIPPER: WESTINGHOUSE SHIPPING DEPT. (509) 376-6665

REFERENCE NO.: W93-0-0585#13

SHIPPER NAME AND ADDRESS	CONSIGNEE NAME AND ADDRESS
WESTINGHOUSE SHIPPING DEPT. (509) 376-6665 G2-06 U.S. DEPARTMENT OF ENERGY C/O WESTINGHOUSE HANFORD COMPANY 2355 STEVENS DRIVE 1163 BUILDING PO BOX 1970 RICHLAND WA 99352	JOHN DEWALD S-CUBED 3398 CARMEL MT. ROAD SAN DIEGO CA 92121-1095

Pieces	Weight	Description/Marks	Emery Authorization No.
1	43 LBS	COOLER WATER SAMPLES B08ML8,B08ML9	

EACH PERSON HANDLING OR TAKING CUSTODY OF THIS SHIPMENT MUST SIGN AND COMPLETE THE INFORMATION BELOW

	Name of Person/Company	Transship Point/Destination	Signature of Person Accepting Custody	Time/Date
1.				
2.				
3.				
4.				
5.	J PRICE	SAN	[illegible]	000/7-8-93
6.	D. PHILLIP	[illegible]	[illegible]	[illegible]
7.	Colleen M. Pluth	S-CUBED	C. M. Pluth	1146 7-8-93
8.				

SPECIAL HANDLING INSTRUCTIONS

11

FORM OF PAYMENT

Check ☐ GBL ☐ FCCOD ☐

Bill to Shipper ☒ Bill to Consignee ☐ Third Party Billing ☐

EMERY WORLDWIDE — A CF Company

SERVICES

UNITED STATES / CANADA: Same Day (Extra Charges) ☐ AM ☒ Second Day ☐ PM ☐ Saturday Delivery ☐

INTERNATIONAL: Express ☐ Standard Plus ☐ Preferred ☐ Standard ☐ Business Documents ☐ Customs Clearance ☐ Delivery ☐

E Shipper's Account Number: 850281585

Date: 07-07-93 | Origin: PBC | Shipment Number: 253695579 5

From:
~~WESTINGHOUSE SHIPPING DEPT. (509) 376-6665~~
U.S. DEPARTMENT OF ENERGY C/O
~~WESTINGHOUSE HANFORD~~
BLDG 1163
~~2355 STEVENS DRIVE~~
RICHLAND WA ☐ Canada ☐

To:
~~S_CUBED JOHN DEWALD~~
~~S-CUBED~~
~~3398 CARMEL MT. ROAD~~
SAN DIEGO CA USA ☐ Canada ☐ Hold for Pick Up ☐

Tariff Dest. | Gateway

Check to Shipper $

EMERY WORLDWIDE will accept Consignee's check with all risks being assumed by Shipper, including but not limited to non-payment, fraud and misrepresentation.

Customer's Reference Numbers: W81232 P12BR W93-0586/13 99352

E Consignee's Account Number: 92121

Description	Pcs.	L	W	H	Total Pieces	Total Weight (lb/kg)
~~PH BUTCHER~~ 1 COOLER WATER SAMPLES BOSM18, BOSM19	1	7	12	16	1	43

FOR INFORMATION OR RATES CALL 1-800 44 EMERY (1-800-443-6379)

Declared Value $

2 5 3 6 9 5 5 7 9 5

Remarks: OVERNIGHT DELIVERY SIGNATURE SECURITY SERVICE

Zip Ship ☐ — For shipments within the 50 United States Shipper has the option to check this box and, by checking, agrees that the Zip Ship conditions, described in the area to the right, apply.

Mark if Emery Packaging is used: Urgent Letter 9X12 ☐ Urgent Pack 12X15 ☐

Shipper's Signature X

International Shipments: Free Domicile ☐ Commodity Code

Third Party Account Number mandatory for Third Party Billing. E Third Party Account Number

International Customs Value | International Insurance

Base Charge | Total Transportation Charges | Other Charges/Advance at Origin ☐ OC/AO- $

SAN-A

Terms and Conditions on Back

12

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08ML9

Lab Name: S-CUBED Contract: 32468-20-03
Lab Code: S3 Case No.: 93-172 SAS No.: SDG No.: 3742
Matrix: (soil/water) WATER Lab Sample ID: 3742-02
Sample wt/vol: 5.00 (g/ml)ML Lab File ID: WH422
Level: (low/med) LOW Date Received: 07/08/93
%Moisture: not dec. 100.00 Date Analyzed: 07/14/93
GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.00
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

EPA SAMPLE NO.

B08ML9

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: S-CUBED Contract: 32468-20-03
Lab Code: S3 Case No.: 93-172 SAS No.: SDG No.: 3742
Matrix: (soil/water) WATER Lab Sample ID: 3742-02
Sample wt/vol: 5.00 (g/ml)ML Lab File ID: WH422
Level: (low/med) LOW Date Received: 07/08/93
%Moisture: not dec. 100.00 Date Analyzed: 07/14/93
GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.00
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number of TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.00541-05-9	Cyclotrisiloxane,hexamethyl	15.58	15	JBN
2.00556-67-2	Cyclotetrasiloxane,octameth	21.07	13	JBN

1D

8010 VOLATILES ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08ML8

Lab Name: S-CUBED Contract: 32468-20-03
Lab Code: S3 Case No.: 93-172 SAS No.: SDG No.: 3742
Matrix: (soil/water) WATER Lab Sample ID: 3742-01
Sample wt/vol: 5 (g/ml) ML Lab File ID: K0707-7QUAD022
%Moisture: 100.00 decanted: (Y/N) N Date Received: 07/08/93
Extraction: (SepF/Cont/Sonc) Date Extracted:
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/93
Injection Volume: 1.00 (uL) Dilution Factor: 1.00
GPC Cleanup: (Y/N) pH: 0.00 Sulfur Cleanup: (Y/N)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	0.500	U
75-01-4	Vinyl Chloride	0.500	U
74-83-9	Bromomethane	0.500	U
75-00-3	Chloroethane	0.500	U
75-69-4	Trichlorofluoromethane	0.500	U
75-35-4	1,1-Dichloroethylene	0.500	U
75-09-2	Methylene Chloride	0.500	U
156-60-5	Trans-1,2-Dichloroethylene	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
156-59-2	cis-1,2-Dichloroethylene	0.500	U
67-66-3	Chloroform	22.3	C
71-55-6	1,1,1-Trichloroethane	0.500	U
56-23-5	Carbon Tetrachloride	188	C
107-06-2	1,2-Dichloroethane	0.500	U
79-01-6	Trichloroethylene	0.557	
78-87-5	1,2-Dichloropropane	0.500	U
110-75-8	2-Chloro-Ethyl-Vinyl-Ether	25.0	U
75-27-4	Dichlorobromomethane	0.500	U
10061-01-5	cis-1,3-Dichloropropene	0.500	U
10061-02-6	trans-1,3-Dichloropropene	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
127-18-4	Tetrachloroethylene	0.500	U
124-48-1	Dibromochloromethane	0.500	U
108-90-7	Chlorobenzene	0.500	U
75-25-2	Bromoform	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U

MAXWELL
S-CUBED Division

NARRATIVE

July 29, 1993

Narrative Project:	93-172
Reference No.:	32468-20-03
Client:	WHC
SDG No.:	3742

VOLATILES

Samples were analyzed for the Target Compound List (TCL) volatile organic compounds according to the EPA CLP OLM01.8 (3/90) procedure. Analysis of the samples was performed using GC-MS purge and trap techniques with internal standard quantitation.

Water samples were routinely analyzed on a Quadrex 70 meter megabore capillary column connected to a jet separator. Water samples were analyzed using a DynaTech PTA-30 autosampler which, due to automated surrogate and internal standard spiking, does not allow for variation of surrogate concentrations in the ICAL. Consequently all standards were spiked with surrogates at 50 ppb.

Non target compounds were reported as Tentatively Identified Compounds (TICs) with an estimated quantitation based on an assumed relative response factor of 1.0 using the closest internal standard as a reference. Peaks less than 10% of the area of the nearest internal standard were not reported.

One aqueous sample was analyzed for volatile organic compounds. A trace amount (4-ppb) of Methylene Chloride was the only target analyte found. Siloxane column bleed was found in the lab blank and the sample in like amounts and reported as TIC's.

Trichloroethene demonstrated slightly high recoveries in both the MS and MSD analyses of sample B08M19. The LCS showed compliant recovery for Trichloroethene indicating a true sample matrix effect. All surrogate recoveries pass QC requirements, and the initial and continuing calibration data are method compliant.

John DeWald
Project Manager

enclosures

r:\narr\n3742

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08ML9

Lab Name: S-CUBED Contract: 32468-20-03
Lab Code: S3 Case No.: 93-172 SAS No.: SDG No.: 3742
Matrix: (soil/water) WATER Lab Sample ID: 3742-02
Sample wt/vol: 5.00 (g/ml)ML Lab File ID: WH422
Level: (low/med) LOW Date Received: 07/08/93
%Moisture: not dec. 100.00 Date Analyzed: 07/14/93
GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.00
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

EPA SAMPLE NO.

B08ML9

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: S-CUBED Contract: 32468-20-03
Lab Code: S3 Case No.: 93-172 SAS No.: SDG No.: 3742
Matrix: (soil/water) WATER Lab Sample ID: 3742-02
Sample wt/vol: 5.00 (g/ml)ML Lab File ID: WH422
Level: (low/med) LOW Date Received: 07/08/93
%Moisture: not dec. 100.00 Date Analyzed: 07/14/93
GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.00
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number of TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.00541-05-9	Cyclotrisiloxane,hexamethyl	15.58	15	JBN
2.00556-67-2	Cyclotetrasiloxane,octameth	21.07	13	JBN

FORM I VOA-TIC 3/90

MAXWELL
S-CUBED Division

NARRATIVE

July 27, 1993

Narrative Project:	93-172
Reference No.:	32468-20-03
Client:	WHC
SDG No.:	3742

VOLATILES (8010)

Samples were analyzed by SW-846 Method 8010 GC/HECD purge and trap analysis. All hits were confirmed by Method 8240 GC/MS.

Sample B08ML8 required dilution due to high level of CCL_4.

All calibration and sample QC were acceptable.

John DeWald
Project Manager

enclosures

r:\narr\n3742

1D

8010 VOLATILES ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08ML8

Lab Name: S-CUBED Contract: 32468-20-03
Lab Code: S3 Case No.: 93-172 SAS No.: SDG No.: 3742
Matrix: (soil/water) WATER Lab Sample ID: 3742-01
Sample wt/vol: 5 (g/ml) ML Lab File ID: K0707-7QUAD022
%Moisture: 100.00 decanted: (Y/N) N Date Received: 07/08/93
Extraction: (SepF/Cont/Sonc) Date Extracted:
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/93
Injection Volume: 1.00 (uL) Dilution Factor: 1.00
GPC Cleanup: (Y/N) pH: 0.00 Sulfur Cleanup: (Y/N)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	0.500	U
75-01-4	Vinyl Chloride	0.500	U
74-83-9	Bromomethane	0.500	U
75-00-3	Chloroethane	0.500	U
75-69-4	Trichlorofluoromethane	0.500	U
75-35-4	1,1-Dichloroethylene	0.500	U
75-09-2	Methylene Chloride	0.500	U
156-60-5	Trans-1,2-Dichloroethylene	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
156-59-2	cis-1,2-Dichloroethylene	0.500	U
67-66-3	Chloroform	22.3	C
71-55-6	1,1,1-Trichloroethane	0.500	U
56-23-5	Carbon Tetrachloride	188	C
107-06-2	1,2-Dichloroethane	0.500	U
79-01-6	Trichloroethylene	0.557	
78-87-5	1,2-Dichloropropane	0.500	U
110-75-8	2-Chloro-Ethyl-Vinyl-Ether	25.0	U
75-27-4	Dichlorobromomethane	0.500	U
10061-01-5	cis-1,3-Dichloropropene	0.500	U
10061-02-6	trans-1,3-Dichloropropene	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
127-18-4	Tetrachloroethylene	0.500	U
124-48-1	Dibromochloromethane	0.500	U
108-90-7	Chlorobenzene	0.500	U
75-25-2	Bromoform	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U

1D

8010 VOLATILES ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08ML8DL

Lab Name: S-CUBED Contract: 32468-20-03
Lab Code: S3 Case No.: 93-172 SAS No.: SDG No.: 3742
Matrix: (soil/water) WATER Lab Sample ID: 3742-01DL
Sample wt/vol: 5 (g/ml) ML Lab File ID: K0707-7QUAD023
%Moisture: 100.00 decanted: (Y/N) N Date Received: 07/08/93
Extraction: (SepF/Cont/Sonc) Date Extracted:
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/93
Injection Volume: 1.00 (uL) Dilution Factor: 10.00
GPC Cleanup: (Y/N) pH: 0.00 Sulfur Cleanup: (Y/N)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5.00	U
75-01-4	Vinyl Chloride	5.00	U
74-83-9	Bromomethane	5.00	U
75-00-3	Chloroethane	5.00	U
75-69-4	Trichlorofluoromethane	5.00	U
75-35-4	1,1-Dichloroethylene	5.00	U
75-09-2	Methylene Chloride	5.00	U
156-60-5	Trans-1,2-Dichloroethylene	5.00	U
75-34-3	1,1-Dichloroethane	5.00	U
156-59-2	cis-1,2-Dichloroethylene	5.00	U
67-66-3	Chloroform	23.9	C
71-55-6	1,1,1-Trichloroethane	5.00	U
56-23-5	Carbon Tetrachloride	171	C
107-06-2	1,2-Dichloroethane	5.00	U
79-01-6	Trichloroethylene	5.00	U
78-87-5	1,2-Dichloropropane	5.00	U
110-75-8	2-Chloro-Ethyl-Vinyl-Ether	250	U
75-27-4	Dichlorobromomethane	5.00	U
10061-01-5	cis-1,3-Dichloropropene	5.00	U
10061-02-6	trans-1,3-Dichloropropene	5.00	U
79-00-5	1,1,2-Trichloroethane	5.00	U
127-18-4	Tetrachloroethylene	5.00	U
124-48-1	Dibromochloromethane	5.00	U
108-90-7	Chlorobenzene	5.00	U
75-25-2	Bromoform	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U