3495 - S-CU-090

0044083

MAXWELL
S-CUBED Division

NARRATIVE

January 29, 1993

Narrative Project: 92-375
Reference No.: 32359-69
Client: WHC
SDG No.: 3495

VOLATILES

The samples were analyzed according to the OLM01.8 Statement of Work and by SW846 Method 8240. The samples were analyzed on the same day on the same instruments. The same blanks and LCS are reported for both methods. Separate BFB tunes are submitted, passing the slightly different requirements. Initial and continuing calibrations pass both method requirements.

Sample B07PT7 was diluted 1:5 in order to bring Carbon Tetrachloride into calibration range. Both diluted and undiluted analyses are reported. The sample was found to contain around 600 ppb of Carbon Tetrachloride and 60 ppb of Chloroform. Sample B07PT5 was found to contain 32 ppb of Carbon Tetrachloride, 6 ppb of Chloroform and 4 ppb of Trichloroethene. Otherwise the samples had only low levels of Methylene Chloride (< 5 ppb) and Benzene and Siloxanes at similar levels as were seen in the blank.

The quality control results were generally acceptable. The samples were analyzed within holding time. The blank was clean, except for a slight Benzene contamination (concentration below detection limit). All initial and continuing calibration data are compliant. All surrogate and LCS recoveries were excellent, as were recoveries and %RPDs for B07PV1 MS/MSD.

John DeWald
Project Manager

enclosures

r:\narr\n3495

FEB 1996

OFFICE OF SAMPLE MANAGEMENT

RECORD OF DISPOSITION

ROD-93-00021
Record of Disposition No.

DATE: 1/29/93	LABORATORY: S-CUBED
PROJECT TITLE/NO.: CCL4 GROUNDWATER SAMPLING	NCR NO.: 051710

SAMPLE IDENTIFICATION NUMBERS: B07PT7, B07PT8, B07PV1, B07PV2

DESCRIPTION OF EVENT: Sample numbers on vials (B07PV1, B07PV2) didn't match the numbers on the chain of custody (B07PT7, B07PT8). The COC and SAR have B07PT7 and B07PT8, but the Groundwater Sample Report and the Off-Site Property Control forms list samples as B07PV1 and B07PV2.

DISPOSITION OF SAMPLES: After telecon confirmation with Ken Trapp, samples should be analyzed and results reported as B07PV1 and B07PV2.

APPROVAL SIGNATURES:

Clay Smith/ Clay Smith — 1/29/93
OSM Project Coordinator (Print/Sign Name) — Date

Virginia Rohay/ Virginia Rohay — 4/14/93
Technical Representative (Print/Sign Name) — Date

N/A
Quality Assurance (Print/Sign Name) — Date

Westinghouse Hanford Company

NONCONFORMANCE REPORT

1. Page 1 of ____

2. Preprinted No. 051710

QA Log No.

3. P. O., W. O., or Job Control No.	4. System/End Use	5. Item/Material	6. Dwg./Spec./Other No.	7. Rev.
N/A	RI/FS	WATER SAMPLES	N/A	N/A

8. Program/Project/Other: CCL4 GROUNDWATER 92-375

9. Safety Class: N/A

10. ASME Code Items ☐ Yes ☒ No (If yes, notify authorized inspector)

11. Supplier Name/Address: FIELD SAMPLING SERVICES

12. Notification of Potential Occurence Required ☐ Yes ☒ No

13. Code: Lot/Heat/Serial	14. Lot Size	15. Sample	16. Qty. Acc.	17. Inspection Criteria
N/A	1	1	0	☐ Dwg. ☐ Spec. ☐ Insp. Plan ☒ Other ETI 5.8, Rev 3, Sect 6.6

18. Item	19. Description of Nonconformance (list serial no. where applicable)	22. Disposition, Justification, and Instructions
	THE COC AND SAR HAVE B07PT7 AND B07PT8, BUT THE GROUNDWATER SAMPLE REPORT AND THE OFF-SITE PROPERTY CONTROL FORMS LIST SAMPLES AS B07PV1 AND B07PV2.	

20. Originator's Signature: R Clayton Smith — Date: 1/29/93

21. Cognizant QA Manager's Signature — Date

23. Design Document Change Required? ☐ Yes, Doc. No. ____ ☐ No

24. Corrective Action Required? ☐ Yes, No. ____ ☐ No

Disp. App.

25. Cognizant Engineer	Date	26. Technical Rep.	Date	Signature/Org.	Date
QA Engineer	Date	Signature/Org.	Date	Signature/Org.	Date

Close

27. Accept ____ Reject ____ Follow on NCR ____

QA/C Personnel — Date

A-7310-104 (10/91)

QUALITY ASSURANCE

NONCONFORMANCE REPORT DISTRIBUTION

1. FROM:	2. MSIN:	3. DATE:
EQA	H4-16	1/29/93

4. NCR No.:	5. Initiation, Disposition, or Closure (I, D, C):
051710 / EQA-93-019	

6. TO:	MSIN	I	D
Cognizant Engineer MC HAGOOD	H6-04		
Cognizant Quality Engineer RL Hand	H4-16		
Originator RC Smith	H4-23		
Q. A. Manager			
Cognizant QE Manager TL Remington	H4-16		
Facility Manager			
Engineering Records			
Safety			
QSDM	L4-86		
Other: JCS Package			
Q. C.			
Buyer (Procurement)			
P.O. File (Procurement)			
Vendor File (Procurement)			
EQA File	H4-16		
JH Kessnick	H4-23		

7. QST Codes

Subject:	Cause:	Contr. Factor:	PPG:
PR 02	PN 002		

8. Responsible Action Party:	Org Code:
MC HAGOOD	91352

A-6000-816 (0

SDG Memo/Sample Summary

Client Name:	WESTINGHOUSE HANFORD CO.	Date:	26 Jan 1993
Project Name:	92-375	Update No.:	
SDG No.:	3495	Work Order No.:	32359-69
Project Manager:	J. DEWALD		
Mail Date:			

Client Samp No.	S-Cubed Samp No.	Date Rcvd	Date Samp	Matrix	VOA8240	VOAOLM							
B07PT5	3495-01	1-7-1993	1-5-1993	WATER	X								
B07PT5	3495-01MS	1-7-1993	1-5-1993	WATER	X								
B07PT5	3495-01MSD	1-7-1993	1-5-1993	WATER	X								
B07PT6	3495-02	1-7-1993	1-5-1993	WATER		X							
B07PT7	3495-03	1-7-1993	1-5-1993	WATER	X								
B07PT8	3495-04	1-7-1993	1-5-1993	WATER		X							
B07PT9	3495-05	1-7-1993	1-5-1993	WATER	X								
B07PV0	3495-06	1-7-1993	1-5-1993	WATER		X							

(X) = Non-Billable Sample

SC-10, Rev 8/92

3495 33359-69

Westinghouse Hanford Company	CHAIN OF CUSTODY

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations CCL4

Collection Date 1 5 93

Ice Chest No. SPC-244

Field Logbook No. EPC 1057

Bill of Lading/Airbill No. 283649 2356

Offsite Property No. W93-0 0151-28

Method of Shipment EMERY

Shipped to S-CUBED

Possible Sample Hazards/Remarks N/A

Sample Identification

	METHOD
B07PT5	
01 2, 40ml, Gs, WATER; VOA/LOW LEVEL (HCl pH<2)	(GC/MS) 8240
2, 40ml, Gs, WATER; VOA/ALL OTHERS(HCL pH<2)	(GC/MS) 8240
B07PT6	
02 3, 40ml, Gs, WATER; CLP-VOA	

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Relinquished by: A J SIMPSON AJ Simpson	Received by: Amy Smith	Date/Time: 1-7-93 11:30AM
Relinquished by:	Received by:	Date/Time:
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

3495

32359 -69

Westinghouse Hanford Company	CHAIN OF CUSTODY

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations CCL4

Collection Date 1/5/93

Ice Chest No. SAL-244

Field Logbook No. EFL 1657

Bill of Lading/Airbill No. 2532952355

Offsite Property No. W93-0-0151-28

Method of Shipment EMERY

Shipped to S-CUBED

Possible Sample Hazards/Remarks N/A

Sample Identification

	METHOD
B07PT7	
2, 40ml, Gs, WATER; VOA/LOW LEVEL (HCl pH<2)	(GC/MS) 8240
2, 40ml, Gs, WATER; VOA/ALL OTHERS(HCL pH<2)	(GC/MS) 8240
B07PT8	
3, 40ml, Gs, WATER; CLP-VOA	

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
G G Hamilton	AJ SIMPSON AJ Simpson	1/6/92 0910
AJ SIMPSON AJ Simpson	Amy Smith	1-7-93 11:30AM

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

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

3495 32359-69

Westinghouse Hanford Company	CHAIN OF CUSTODY

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations CCL4

Collection Date 1-5-93

Ice Chest No. SALL-244

Field Logbook No. EFL 1057

Bill of Lading/Airbill No. 2636415 2355

Offsite Property No. W93-0-0151-23

Method of Shipment EMERY

Shipped to S-CUBED

Possible Sample Hazards/Remarks N/A

Sample Identification

	METHOD
B07PT9	
2, 40ml, Gs, WATER; VOA/LOW LEVEL (HCl pH<2)	(GC/MS) 8240
2, 40ml, Gs, WATER; VOA/ALL OTHERS(HCL pH<2)	(GC/MS) 8240
B07PV0	
3, 40ml, Gs, WATER; CLP-VOA	

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Relinquished by: G G Hamilton	Received by: A J Simpson	Date/Time: 1/6/92 0912
Relinquished by: A J Simpson	Received by: Amy Smith	Date/Time: 1-7-93 11:30AM
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

EMERY WORLDWIDE — A CF Company

SIGNATURE AND TALLY RECORD

60029-46 (8/89) Litho USA

DATE: 01-06-93 SHIPMENT NO.: 253605238 5
SHIPPER: WESTINGHOUSE SHIPPING DEPT. (509) 376-6665
REFERENCE NO.: W93-0-0151#20

SHIPPER NAME AND ADDRESS	CONSIGNEE NAME AND ADDRESS
WESTINGHOUSE SHIPPING DEPT. (509) 376-6665 G2-C3 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	24 LBS	COOLER SM-244 WATER SAMPLES	

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.	[illegible]	[illegible]	[illegible]	[illegible]
6.				
7.				
8.				

SPECIAL HANDLING INSTRUCTIONS

CONSIGNEE COPY

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 ☒ PM ☐ Second Day ☐ Next Day Delivery ☐

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

Shipper's Account Number: E 850281585

Date: 01-06-93 | Origin: PSC | Shipment Number: 253695238

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:
JOHN DEWALD
S-CUBED
3398 CARMEL MT. ROAD
SAN DIEGO CA 92121
Hold for Pick Up ☐ Canada ☐

Tariff Dest. | Gatew

Check to Shipper $

EMERY WORLDWI will accept Consig check with all risi being assumed by Shipper, including but not limited to non-payment, frau and misrepresenta

Customer's Reference Numbers: W81232 P12BR W93-0-0151#287352

Consignee's Account Number: E

Description	Pcs	L	W	H	Total Pieces	Total Weight (in Lbs)
1 COOLER SML-244 WATER SAMPLES #28	1	26	16	17	1	34

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

Declared Value $

253695238 5

Remarks: OVERNIGHT DELIVERY SIGNATURE SECURITY SERVIC

Shipper's Signature X

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 ☒

International Shipments: Free Domicile ☐ Commodity Code

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

International Customs Value | International Insurance

Base Charge

Total Transportation Charges

Other Charges/Advance at Origin ☐ OC/AO- $

SAN A

Terms and Conditions on Back

8

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PT5

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3495
Matrix: (soil/water) WATER Lab Sample ID: 3495-01
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH951
Level: (low/med) LOW Date Received: 01/07/93
%Moisture: not dec. 100.00 Date Analyzed: 01/12/93
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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	6	
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	32	
108-05-4	Vinyl Acetate	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	4	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	3	BJ
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

Environmental Protection Agency. CLP Sample Management Office.
P. O. Box 818. Alexandria, Virginia 22313 703/557-2490

Sample Number
B07PT5

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 00541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	VOA	15.17	290 JBN
2. 00556-67-2	CYCLOTETRASILOXANE OCTAMETHYL-	"	20.62	140 JBN
3.	UNKNOWN SILOXANE	"	25.03	40 JB
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PT6

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3495
Matrix: (soil/water) WATER Lab Sample ID: 3495-02
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH952
Level: (low/med) LOW Date Received: 01/07/93
%Moisture: not dec. 100.00 Date Analyzed: 01/12/93
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	3	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	3	BJ
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

Environmental Protection Agency. CLP Sample Management Office.
P. O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
B07PT6

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 00541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	VOA	15.15	320 JBN
2. 00556-67-2	CYCLOTETRASILOXANE OCTAMETHYL-	"	20.62	150 JBN
3.	UNKNOWN SILOXANE	"	25.07	44 JB
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PT7

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3495
Matrix: (soil/water) WATER Lab Sample ID: 3495-03
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH953
Level: (low/med) LOW Date Received: 01/07/93
%Moisture: not dec. 100.00 Date Analyzed: 01/12/93
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	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	46	
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	700	E
108-05-4	Vinyl Acetate	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	7	B
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

Environmental Protection Agency. CLP Sample Management Office,
P. O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
B07-PT7

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 00541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	VOA	15.13	160 JBN
2. 00556-67-2	CYCLOTETRASILOXANE OCTAMETHYL-	"	20.61	140 JBN
3.	UNKNOWN SILOXANE	"	25.02	38 JB
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PT7DL

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3495
Matrix: (soil/water) WATER Lab Sample ID: 3495-03DL
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: DL953
Level: (low/med) LOW Date Received: 01/07/93
%Moisture: not dec. 100.00 Date Analyzed: 01/13/93
GC Column: CAP ID: 0.53 (mm) Dilution Factor: 5.00
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	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	13	DJ
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	25	U
75-35-4	1,1-Dichloroethene	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	25	U
67-66-3	Chloroform	57	D
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	570	D
108-05-4	Vinyl Acetate	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	20	DBJ
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethyl Benzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

Environmental Protection Agency. CLP Sample Management Office,
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Sample Number
B07PT7DL

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 00541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	VOA	15.10	980 JBN
2. 000556-67-2	CYCLOTETRASILOXANE OCTAMETHYL-	"	20.55	780 JBN
3.	UNKNOWN SILOXANE	"	24.96	220 JB
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PT8

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3495
Matrix: (soil/water) WATER Lab Sample ID: 3495-04
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH954
Level: (low/med) LOW Date Received: 01/07/93
%Moisture: not dec. 100.00 Date Analyzed: 01/12/93
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	3	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	2	BJ
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

Environmental Protection Agency, CLP Sample Management Office,
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Sample Number
B07-P78

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 540541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	VOA	15.15	310 JBN
2. 556-67-2	CYCLOTETRASILOXANE OCTAMETHYL-	"	20.62	150 JBN
3.	UNKNOWN SILOXANE	"	25.07	43 JB
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PT9

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3495
Matrix: (soil/water) WATER Lab Sample ID: 3495-05
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH955
Level: (low/med) LOW Date Received: 01/07/93
%Moisture: not dec. 100.00 Date Analyzed: 01/12/93
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	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	3	BJ
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

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Sample Number
B07PT9

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 00541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	VOA	15.14	320 JBN
2. 00556-67-2	CYCLOTETRASILOXANE OCTAMETHYL-	"	20.61	150 JBN
3.	UNKNOWN SILOXANE	"	25.03	41 JB
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PV0

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3495
Matrix: (soil/water) WATER Lab Sample ID: 3495-06
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH956
Level: (low/med) LOW Date Received: 01/07/93
%Moisture: not dec. 100.00 Date Analyzed: 01/12/93
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	3	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	2	BJ
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

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Sample Number
B07PV0

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 00541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	VOA	15.17	280 JBN
2. 00556-67-2	CYCLOTETRASILOXANE OCTAMETHYL-	"	20.62	130 JBN
3.	UNKNOWN SILOXANE	"	25.03	40 JB
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