3500 - SC491

0044333

SDG Memo/Sample Summary

Client Name:	WESTINGHOUSE HANFORD CO.	Date:	29 Jan 1993
Project Name:	92-375	Update No.:	
SDG No.:	3500	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							
B07PS5	3500-01	1-13-1993	1-7-1993	WATER	X								
B07PS5DL	3500-01DL	1-13-1993	1-7-1993	WATER	(X)								
B07PS5MS	3500-01MS	1-13-1993	1-7-1993	WATER	X								
B07PS5MSD	3500-01MSD	1-13-1993	1-7-1993	WATER	X								
B07PS6	3500-02	1-13-1993	1-7-1993	WATER		X							
B07PS6MS	3500-02MS	1-13-1993	1-7-1993	WATER		X							
B07PS6MSD	3500-02MSD	1-13-1993	1-7-1993	WATER		X							
B07PS7	3500-03	1-13-1993	1-6-1993	WATER	X								
B07PS7DL	3500-03DL	1-13-1993	1-6-1993	WATER	(X)								
B07PS8	3500-04	1-13-1993	1-6-1993	WATER		X							
B07PT3	3500-05	1-13-1993	1-6-1993	WATER	X								
B07PT3DL	3500-05DL	1-13-1993	1-6-1993	WATER	(X)								
B07PT4	3500-06	1-13-1993	1-6-1993	WATER		X							

(X) = Non-Billable Sample

FEB 1996
RECEIVED
EDMC

SC-10, Rev 8/92

2

MAXWELL
S-CUBED Division

NARRATIVE

January 29, 1993

Narrative Project: 92-375
Reference No.: 32359-69
Client: WHC
SDG No.: 3500

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.

Samples B07PS5, B07PS7 and B07PT3 were diluted 1:20, 1:10 and 1:2, respectively, in order to bring Carbon Tetrachloride into calibration range. Both diluted and undiluted analyses are reported. Samples B07PS5 and B07PS7 were found to contain around 2 ppm of Carbon Tetrachloride, 100 ppb of Chloroform and 8-20 ppb of Trichloroethene. Otherwise the samples had only low levels of Methylene Chloride and Benzene (below detection limit) 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 blanks 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 B07PS6 and B07PS5 MS/MSD.

John DeWald
Project Manager

enclosures

r:\narr\n3500

32359-69 Temp 2.5°C LOT #3500

pg. 1 of 3

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 1-7-93

Ice Chest No. SML-224

Field Logbook No. EFL-1057

Bill of Lading/Airbill No. 2[illegible]52495

Offsite Property No. W93-0-0156-34

Method of Shipment EMERY

Shipped to S-CUBED

Possible Sample Hazards/Remarks N/A

Sample Identification	~~METHOD~~
~~B07PS9~~ B07PS5 KT 1/12/93	
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
B07PT0 B07PS6 1/12/93	
3, 40ml, Gs, WATER; CLP-VOA	

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Relinquished by: C. Celiberti C. Celiberti	Received by: K. Trapp / K. Trapp	Date/Time: 1/12/93 0915
Relinquished by: K. Trapp / K. Trapp	Received by:	Date/Time:
Relinquished by:	Received by: Amy Smith	Date/Time: 1-13-93 1:30PM
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

32359-69 LCT #3500

Westinghouse Hanford Company	CHAIN OF CUSTODY	pg. 2 of 3

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations CCL4

Ice Chest No. SML-224

Bill of Lading/Airbill No. 2[illegible]495

Method of Shipment EMERY

Shipped to S-CUBED

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date 1/6/93

Field Logbook No. [illegible]-1057

Offsite Property No. W93-[illegible]

Sample Identification

	METHOD
B07PS7 ~~B07PS5~~ 1/7/92 AJS 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
B07PS5 ~~B07PS6~~ AJS 1/7/92 3, 40ml, Gs, WATER; CLP-VOA	

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

Relinquished by:	Received by:	Date/Time:
[illegible]	K. Trapp / K. Trapp	1/12/93 0815
K. Trapp / K. Trapp		
	Amy Smith	1-13-93 1.30PM

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

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

32359-69

LCT # 55CC

Westinghouse Hanford Company	CHAIN OF CUSTODY	pg 3 of 3

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations CCL4

Collection Date 1/12/93

Ice Chest No. SML-224

Field Logbook No. EFL-1057

Bill of Lading/Airbill No. 2536952495

Offsite Property No. W93-0-0151-34

Method of Shipment EMERY

Shipped to S-CUBED

Possible Sample Hazards/Remarks N/A

Sample Identification

	METHOD
B07PT3	
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
B07PT4	
3, 40ml, Gs, WATER; CLP-VOA	

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Relinquished by: [illegible]	Received by: K. O'Mara / K. Trapp	Date/Time: 1/12/93 0815
Relinquished by: K. O'Mara / K Trapp	Received by:	Date/Time:
Relinquished by:	Received by: Amy Smith	Date/Time: 1-13-93 1:30PM
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

3:359-69

Westinghouse Hanford Company

SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION

Collecto K. Lee, L. Walker Date Sampled 1-7-93 Time 1116 hours

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

Sample Number	Number and Type of Sample	Type of Sample*	Analysis Requested
~~B07PS9~~	2, 40ml, Gs	WATER	VOA/LOW LEVEL (HCl pH<2) METHOD-(GC/MS) 8240
01 B07P55	2, 40ml, Gs	WATER	VOA/ALL OTHERS (HCl pH<2) METHOD-(GC/MS) 8240
KT 1/7/93			
~~B07PT0~~	3, 40ml, Gs	WATER	CLP-VOA
02 B07P56			
KT 1/7/93			
			OPC: # W93-0-0151-24
			BOL: # 2536952495
			TASK: 92-375

Field Cold, sunny 4°C, slight wind

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.

7 A-6000-406(05/90)

32359-69

Westinghouse Hanford Company

SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION

Collecto K. Lee, L. Walker Date Sampled 1/6/92 Time 0420 hours

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

Sample Number	Number and Type of Sample	Type of Sample*	Analysis Requested
~~B07PS5~~ NT 1/12/93	2, 40ml, Gs	WATER	VOA/LOW LEVEL (HCl pH<2) METHOD-(GC/MS) 8240
03 B07PS7	2, 40ml, Gs	WATER	VOA/ALL OTHERS (HCl pH<2) METHOD-(GC/MS) 8240
~~B07PS6~~ NT 1/12/93	3, 40ml, Gs	WATER	CLP-VOA
04 B07PS9			
			OPC: # W93-0-0151-34
			BOL: # 297695 2495
			TASK: 92-375

Field Sunny 10°

Special Handling and/or NA

Possible Sample NA

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.

A-6000-406(05/90)

32359-69

Westinghouse Hanford Company

SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION

Collecto K. Lee, L. Walker Date Sampled 1/6/93 Time 1100 hours

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

	Sample Number	Number and Type of Sample	Type of Sample*	Analysis Requested
05	B07PT3	2, 40ml, Gs	WATER	VOA/LOW LEVEL (HCl pH<2) METHOD-(GC/MS) 8240
	"	2, 40ml, Gs	WATER	VOA/ALL OTHERS (HCl pH<2) METHOD-(GC/MS) 8240
06	B07PT4	3, 40ml, Gs	WATER	CLP-VOA
				OPC: # W93-C-0151-34
				BOL: # 253 695 2495
				TASK: 92-375

Field Sunny, 10°

Special Handling and/or N/A

Possible Sample N/A

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.

A-6000-406(05/90)

MAXWELL
S-CUBED Division

Lot No. 3500

Sample Log-In Sheet
Revision No.: 0

Date Received: 1-13-1993 Date Sampled: 1-7-1993 Client Code: WHC DC No.____-__-__

Time Received: 13:30 Data Due Date: 2-2-1993 Report Mail Date: 2-11-1993

Received by (Sig): Amy Smith Custody Seals Present/Intact (Y) N Reporting Level: FULL CLP

Airbill No. 850281585 Chain of Custody Present/Intact (Y) N Turnaround Required: 30 DAY

Charge No. 32359-69 Client Forms Present (Y) N Quality Control Reqd'd: Level 3 (RCRA)

Case No./Project Code: 92-375 SDG No.: 3500

S-Cubed Sample No.	Sample Identification	Samp. Type	No. Cont.	Samp Stor.	Samp Cond	VOA8240	VOAOLM								All Info Agree	Notes
3500-01	B07PS5	WATER	4	R9		X										
3500-01MS	B07PS5MS	WATER	4	R9		X										
3500-01MSD	B07PS5MSD	WATER	4	R9		X										
3500-02	B07PS6	WATER	3	R9			X									
3500-02MS	B07PS6MS	WATER	3	R9			X									
3500-02MSD	B07PS6MSD	WATER	3	R9			X									
3500-03	B07PS7	WATER	4	R9		X										
3500-04	B07PS8	WATER	3	R9			X									
3500-05	B07PT3	WATER	4	R9		X										
3500-06	B07PT4	WATER	3	R9			X									

Container Types

Water _____

Soil _____

Soil = Soil/Sediment/Sludge
Water = Aqueous
NAL = Non-Aqueous Liquid
NSS = Non-Soil Solid

Water MS,MSD_____

Soil MS,MSD_____

SDG Complete (Y) N

Review SD 1/13

SC 03, Rev 8/92

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PS5

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3500
Matrix: (soil/water) WATER Lab Sample ID: 3500-01
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH001
Level: (low/med) LOW Date Received: 01/13/93
%Moisture: not dec. 100.00 Date Analyzed: 01/14/93
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	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	81	
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	2100	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	18	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	8	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PS5DL

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3500
Matrix: (soil/water) WATER Lab Sample ID: 3500-01DL
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: DL001
Level: (low/med) LOW Date Received: 01/13/93
%Moisture: not dec. 100.00 Date Analyzed: 01/15/93
GC Column: CAP ID: 0.53 (mm) Dilution Factor: 20.00
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	200	U
74-83-9	Bromomethane	200	U
75-01-4	Vinyl Chloride	200	U
75-00-3	Chloroethane	200	U
75-09-2	Methylene Chloride	41	DJ
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	100	U
75-35-4	1,1-Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (total)	100	U
67-66-3	Chloroform	150	D
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	200	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	1900	D
108-05-4	Vinyl Acetate	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	100	U
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	95	DBJ
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-pentanone	200	U
591-78-6	2-Hexanone	200	U
127-18-4	Tetrachloroethene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethyl Benzene	100	U
100-42-5	Styrene	100	U
1330-20-7	Xylene (total)	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PS6

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3500
Matrix: (soil/water) WATER Lab Sample ID: 3500-02
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH002
Level: (low/med) LOW Date Received: 01/13/93
%Moisture: not dec. 100.00 Date Analyzed: 01/14/93
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	2	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PS7

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3500
Matrix: (soil/water) WATER Lab Sample ID: 3500-03
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH003
Level: (low/med) LOW Date Received: 01/13/93
%Moisture: not dec. 100.00 Date Analyzed: 01/14/93
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	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	69	
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	1800	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	8	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	8	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PS7DL

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3500
Matrix: (soil/water) WATER Lab Sample ID: 3500-03DL
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: DL003
Level: (low/med) LOW Date Received: 01/13/93
%Moisture: not dec. 100.00 Date Analyzed: 01/15/93
GC Column: CAP ID: 0.53 (mm) Dilution Factor: 10.00
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	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl Chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene Chloride	25	DJ
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	100	D
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	1600	D
108-05-4	Vinyl Acetate	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	46	DBJ
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	50	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethyl Benzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PS8

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3500
Matrix: (soil/water) WATER Lab Sample ID: 3500-04
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH004
Level: (low/med) LOW Date Received: 01/13/93
%Moisture: not dec. 100.00 Date Analyzed: 01/14/93
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	10	U
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PT3

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3500
Matrix: (soil/water) WATER Lab Sample ID: 3500-05
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH005
Level: (low/med) LOW Date Received: 01/13/93
%Moisture: not dec. 100.00 Date Analyzed: 01/14/93
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	3	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	31	
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	280	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	5	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PT3DL

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3500
Matrix: (soil/water) WATER Lab Sample ID: 3500-05DL
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: DL005
Level: (low/med) LOW Date Received: 01/13/93
%Moisture: not dec. 100.00 Date Analyzed: 01/15/93
GC Column: CAP ID: 0.53 (mm) Dilution Factor: 2.00
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	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	4	DJ
67-64-1	Acetone	20	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	25	D
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	160	D
108-05-4	Vinyl Acetate	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	9	DBJ
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	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	20	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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PT4

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3500
Matrix: (soil/water) WATER Lab Sample ID: 3500-06
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH006
Level: (low/med) LOW Date Received: 01/13/93
%Moisture: not dec. 100.00 Date Analyzed: 01/14/93
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	10	U
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