3494-SC49

0044332

SDG Memo/Sample Summary

Client Name:	WESTINGHOUSE HANFORD CO.	Date:	29 Jan 1993
Project Name:	92-375	Update No.:	
SDG No.:	3494	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							
B07PV1	3494-01	1-6-1993	1-4-1993	WATER	X								
B07PV1MS	3494-01MS	1-6-1993	1-4-1993	WATER	X								
B07PV1MSD	3494-01MSD	1-6-1993	1-4-1993	WATER	X								
B07PV2	3494-02	1-6-1993	1-4-1993	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.: 3494

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.

The samples were very clean. Only Benzene was detected, at similar levels as were detected in the blank (below the practical quantitation limit) .

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\n3494

32359-67 3494

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 1/4/93

Ice Chest No. SWL-136

Field Logbook No. EFL 1057

Bill of Lading/Airbill No. 2536952341

Offsite Property No. W93-0 0151-26

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: G.C. Hamilton G.C. HAMILTON	Received by: AJ SIMPSON AJ SIMPSON	Date/Time: 1/5/92 0858
Relinquished by: AJ SIMPSON AJ Simpson	Received by: Amy Smith	Date/Time: 1-6-93 11:30AM
Relinquished by:	Received by:	Date/Time:
Relinquished by:	Received by:	Date/Time:

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

Sample numbers don't match Chain of Custody

we Received samples numbered B07PV1 4 x 40 ml

B07PV2 3 x 40 ml

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

[illegible] WA 98352

Pieces	Weight	Description/Marks	Emery Authorization No.
1	28 LBS	807PV1, P07PV2 COOLER ID SM. 105 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.			
6. S. May	SAN	S. May	10 11 16
7.			
8.			

SPECIAL HANDLING INSTRUCTIONS

CONSIGNEE COPY

5

BEST AVAILABLE COPY

PULL FOR SHPT. NO TAB

CONSIGNEE — PACKAGE COPY — 4

FORM OF PAYMENT

Check ☐ GBL ☐ FCCOD ☐

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

EMERY WORLDWIDE

A CF Company

79

SERVICES **

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

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

Shipper's Account Number: E 850281585

Date: 05-05-93 Origin: PSC Shipment Number: 253695234 1

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 Canada ☐

Tariff Dest. Gateway

Check to Apply $

Hold for Pick Up ☐

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 W93-0-0151#26 99352

E Consignee's Account Number: 92121

Description	Dimensions Pcs	L	W	H	Total Pieces	Total Weight (in Lbs)
1 COOLER ID SML 186 WATER SAMPLES B07PV1, B07PV2	1	[illegible]	16	17	1	29

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

Declared Value $

2 5 3 6 9 5 2 3 4 1

Remarks: OVERNIGHT DELIVERY SIGNATURE SECURITY SERVICE

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. 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

LEASE TYPE OR USE BALL POINT PEN. BEAR DOWN FIRMLY! KEEP MARKS WITHIN BOXES TO ASSURE ACCURACY

MAXWELL
S-CUBED Division

Lot No. 3494

Sample Log-In Sheet
Revision No.: 0

Date Received: 1-6-1993 Date Sampled: 1-4-1993 Client Code: WHC DC No._____-__-__

Time Received: 11:30 **Data Due Date: 1-26-1993** **Report Mail Date: 2-4-1993**

Received by (Sig): Mark L Barnick Custody Seals Present/Intact Y N Reporting Level: FULL CLP

Airbill No. 253695234-1 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.: 3494

S-Cubed Sample No.	Sample Identification	Samp. Type	No. Cont.	Samp Stor.	Samp Cond	VOA8240	VOAOLM								All Info Agree	Notes
3494-01	B07PV1	WATER	2	RO		X										
3494-01MS	B07PV1MS	WATER	1	RO		X										
3494-01MSD	B07PV1MSD	WATER	1	RO		X										
3494-02	B07PV2	WATER	3	RO			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 JD 1/7

SC 03, Rev 8/92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PV1

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3494
Matrix: (soil/water) WATER Lab Sample ID: 3494-01
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: LAV08
Level: (low/med) LOW Date Received: 01/06/93
%Moisture: not dec. 100.00 Date Analyzed: 01/08/93
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	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	2	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B07PV2

Lab Name: S-CUBED Contract: 32359-69
Lab Code: S3 Case No.: 92-375 SAS No.: SDG No.: 3494
Matrix: (soil/water) WATER Lab Sample ID: 3494-02
Sample wt/vol: 5.00 (g/ml) ML Lab File ID: WH942
Level: (low/med) LOW Date Received: 01/06/93
%Moisture: not dec. 100.00 Date Analyzed: 01/08/93
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	JB
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